Curriculum Companions

Year 11

Term Two

Name:

Tutor Group:



Literature Paper 1: Knowledge Organiser

The exam is 1 hour, 45 mins and you should spend 50 mins per section

Section A: Shakespeare's 'Romeo and Juliet'

In the exam you will be given an extract to read and must write about both the extract and the play as a whole.

Example question:

How does Shakespeare present attitudes to love in the extract and play as a whole? [30 marks]

Section B: 19th C text: 'A Christmas Carol' Charles Dickens

In the exam you will be given an extract to read and must write about both the extract and the novella as a whole.

Example question:

How does Dickens present Scrooge as a greedy character in the extract and novel as a whole? [30 marks]

Essay planning guide for extract questions:

Step 1: Annotate the question: □ Step 4: Thesis Statement o Focus on key words - <u>Underline</u> or Circle them. Summarise your ideas from the table to o Look for the **key theme** that is the focus of the question. detail your opinion of how the question Add the focus is outlined in both the extract and Step 2: Draw the planning table: theme to thanovel. your **Key Theme:** planning In the extract In the whole novel table. □ <u>Step 5: Paragraph Plannina</u> o Number the points that you have made in the table. o Focus on the order of your points linking between the extract and the novel. Step 3: Read the extract. o Bullet point your ideas about the **key theme** in the **extract**. o Then bullet point links to the **key theme** in the **wider novel**.

Literature Paper 2: Knowledge Organiser

The exam is 2 hours, 15 mins and you should spend 45 mins per section

Section A: Modern Text: 'An Inspector Calls' J.B. Priestley

In the exam you will be given a choice of two questions but must answer one **Example questions:**

Answer either:

1] To what extent does Priestley present Sheila as character who learns important lessons in life?

OR

2] How does Priestley explore the need for social responsibility? [30 marks]

Section B: AQA 'Power and Conflict' Poetry anthology

In the exam you will be given a choice of a poem from 'love and Relationships' or 'Power and Conflict' – make sure you answer the poem from 'Power and Conflict'. You will be given a named poem and must compare it to a poem of your choice.

Example question:

26] Compare the ways poets present ideas about power in 'Ozymandias' and in one other poem from 'Power and conflict'. [30 marks]

Section C: Unseen Poetry

In the exam you will be given two unseen poems to read, interpret and analyse. **Example questions:**

- 27. 1] In 'To a Daughter Leaving Home', how does the poet present the speaker's feelings about her daughter? [24 marks]
- 27.2] In both 'Poem for My Sister' and 'To a Daughter Leaving Home' the speakers describe feelings about watching someone they love grow up. What are the similarities and/or differences between the ways the poets present those feelings?

 [8 marks]

Section A approach:

- . Choose and **annotate the question** and mindmap initial ideas.
- Plan three clear ideas that develop an answer with evidence to support and analyse.
- 3. Write a **thesis** as your introduction.
- Write the essay. A basic structure is thesis/intro, three main analytical paragraphs and then a conclusion.

Section B approach:

- Annotate the question and mind-map initial ideas.
- **2. Re-read the named poem** and choose your poem to compare.
- 3. Plan **two comparative ideas** that develop an answer with evidence from each poem to support and analyse.
- 4. Write a **thesis** as your introduction.
- 5. Write the **essay.** A basic structure is thesis/intro, comparative point1 explored across each poem, comparative point 2 explored across each poem, then a conclusion.

Section C approach:

- 1. Read and find the focus of the **first question.**
- **2. Annotate the first poem.** Find three ideas/ quotations in relation to the question.
- 3. Write **three analytical paragraphs** that explore the poem beginning/ middle/ end.
 - Read and find the focus of the **second question**.
- 5. Read the second poem and identify **key techniques** to compare e.g. imagery.
- 6. Write 1-2 paragraphs comparing the poets' use of techniques and their impacts.

Skills guide: English Revision Tips

The best revision is active! Follow these types of revision tasks

Making flashcards

An effective way to revise the content for Literature is to make flashcards – these can be thematic and/ or character based. They could contain:

- Adjectives to describe characters
- · Big Ideas relating to themes
- Key quotations with powerful words circled
- · Key scenes/ moments in the texts
- Key language techniques relating to your quotations
- Key steps to tackling each Language question

Making the flashcards helps you revise the content, and you can then use them to quiz yourself or others.

Using past papers

Look at past papers for the Literature texts to see what questions have come up and use these to practice planning responses key themes and characters.

You can do a range of the following tasks with this:

- Mind-mapping ideas in response to the questions
- Writing thesis statements
- Writing **essay plans** (see an example template for the poetry below)
- Writing WHAT/ HOW/ WHY **practice paragraphs** you could do this in 10/20/30 mins bursts. See the relevant skills guide page for support.

Online resources

Whilst we strongly advise <u>NOT</u> following advice from people on Tiktok or social media platforms, there are some trusted websites that can supplement your revision. You should also use the revision guides we have given you.

• **BBC Bitesize** – a range of interactive content and podcasts

Literature:

https://www.bbc.co.uk/bitesize/examspecs/zxqncwx

Language:

https://www.bbc.co.uk/bitesize/examspecs/zcbchv4

You may also find helpful **Mr Bruff** analysis videos on the set texts:

https://www.youtube.com/watch?v=RflJ8iXLfLc

oint 1:	Comparative Point 2:	
	oint 1:	oint 1: Comparative Point 2:

Skills Guide: Writing analytical paragraphs

For your Literature essays, and some of the Language reading questions, you will need to analyse writer's techniques in detail and analyse auotations. Follow this layout, using the key questions to help you structure a good analytical paragraph.

Skills Guide: Creating an Effective Analytical Paragraph

A01 WHAT?

Clear topic sentence: What is the writer presenting or character saying?

- How could I reuse the words in the question to give myself a topic sentence?
- Have I placed it? Locate which chapter/scene/section the quotation is from.

A02 HOW?

How does the writer convey/ present/ develop this?:

- What tone is the quotation spoken in or narrated in? Why did the writer choose this tone?
- Powerful words: Which words convey the most meaning?
- What different connotations do these words have? What do they make you imagine, think about or feel?
- What word type are they? Why this word and why here?
- · Are there any other techniques the writer is using?
- Challenge: How do the meanings of words and techniques work together to create meaning?
- Challenge: Is it part of a wider method used by the writer? Is the writer crafting a build-up of things e.g. verbs?

A03 WHY?

Why does the writer write it?

- Consider context: what attitudes are revealed?
- Is the writer trying to create shock or sympathy/ to expose or criticise/, to warn or to promote an attitude or feeling?
- Remember to link back to the key words of the question here.

Skills guide: Academic phrasing for analysing quotations

To introduce a quotation, piece of evidence or detail (DO NOT say the writer quotes!)	To explore a word's meaning	To explore the writer's tone	To explore impact on the reader	To explore the writer's intention
 The writer begins by saying "" The writer states "" The writer describes "" The writer reflects that "" Line 3 introduces "" In the fifth line the writer describes "" In the middle of the extract, the writer changes tone when they say "" To add details:because ofaccording toas a result ofas a result ofas a consequence ofin the way that 	 This connotes The word '' carries connotations of The word '', could mean X or Y The word '' has associations with The word could be connected with 	The writer's tone is informative entertaining shocking unpleasant critical inspiring intriguing frightening appealing arresting captivating thought-provoking dramatic staged realistic/unrealistic	 examine compare/ contrast connect with sympathise with be curious about think about consider imagine question challenge reflect on react to empathise with 	The writer challenges exposes subverts expectations of evokes indicates clarifies illustrates generates dramatises provokes emphasises reinforces links to/ connects with/ relates to

	Topic Dictionary: Key Poetic Devices		
Word Definition		In a sentence	
anaphora	Anaphora is a type of repetition where the same word or phrase at the beginning of a line is repeated through a section of the poem.	In 'Charge of the Light Brigade' the writer uses anaphora when the phrase "Theirs not to" is repeated to emphasise the powerlessness of the soldiers.	
assonance	Assonance is the repetition of identical vowel sounds in different words near each other.	In line 5, the poet uses assonance to describe the "deep green sea" which creates a calm and soothing tone.	
caesura	Caesura is a short but definite pause used for effect within a line of poetry.	In the second stanza of 'Bayonet Charge' the poet uses caesura after "he stopped" to create a pause that replicates the way the soldier pauses in the battle charge to question his being there.	
colloquial	Colloquial words and phrases are informal and are used mainly in conversation.	The speaker in the poem 'Remains' uses colloquial phrases such as "legs it up the road…" to create the illusion of feeling nonchalant.	
dactylic	Dactylic is a type of meter with a pattern of 'stressed unstressed, unstressed' syllables.	'Charge of the Light Brigade' uses a dactylic meter to create a galloping rhythm to mimics the sounds of horses charging.	
enjambment	Enjambment is a line having no end punctuation but running over to the next line.	There are multiple uses of enjambment in the poem 'Kamikaze' but particularly in stanza 4, as fond memories of the past flood into the pilot's mind to disrupt the 'incantations' and alter his mindset.	
extended metaphor	An extended metaphor is when a metaphor is introduced and then developed through a part or through the whole of a poem.	The poem 'Exposure' creates the extended metaphor of the harsh weather conditions being the real enemy as the soldiers gradually die from the cold rather than physical battle.	
semantic field	A semantic field , also known as a lexical field, is a group of words or expressions that are related in meaning	In the opening stanza of 'War Photographer' there is a semantic field of religion to give a spiritual and ritual quality to the photographer's job as he processes the photos of those affected by warfare.	
meter	Meter is the pattern of beats in a line of poetry. It is a combination of how many beats there are and the arrangement of stresses.	The poets in the collection experiment with creating different meters in their poems to either convey action or tone. You should research anapest, dactylic and trochee meters.	
verse	Poems are written in a type of verse which can be categorized as rhymed verse (has a set rhyme scheme) blank verse (written in iambic pentameter with no rhyme), or free verse (no set pattern- with or without rhyme).	In the poem 'The Prelude', Wordsworth writes in blank verse in order to convey the speaker's thought processes- they are not restrained by rhyme but mimic patterns that reflect his unconstrained thoughts.	

<u>Topic Dictionary: Key Language and Structural techniques</u>

Word	Definition	In a sentence
ambiguous	If you describe something as ambiguous , you mean that it can be understood in more than one way.	There is ambiguity in the final line of the poem 'Remains' as it could mean the speaker has been violent or it could be used to represent his feelings of guilt.
anti-climax	A structural device. When there is an unexpected or disappointing <u>conclusion</u> to a story you can describe it as an anti-climax .	After the tense dialogue, the quick resolution was an anticlimactic.
antithesis	If there is an antithesis between two things, there is a direct contrast between them.	The writer describes an antithesis between the character's instinct and reason.
cyclical structure	A cyclical structure can happen when the ending fully links to the beginning of an extract.	There is a cyclical structure in the poem 'Exposure' as the ending line 'But nothing happens' links to the start of the poem. Owen uses this structure to show that despite all the deaths of the soldiers, still nothing has been done to change matters.
denouement	In a text, the denouement is the sequence of events at the end, when things come to a conclusion.	The Prince's speech at the end of 'Romeo and Juliet' brings the denouement of the play by establishing peace.
dialogue	A dialogue is a conversation between two people in a book, film, or play.	The writer uses dialogue in the extract to introduce conflict.
exposition	The exposition of a story is the introduction or beginning of a story that reveals important background information. This can include setting and details about characters.	The exposition at the start of the extract gives readers key information on the setting and protagonist.
in medias res	In medias res is a structural technique where a poem, extract, scene from a play or story begins in the middle of a conversation, events or a narrative	The opening scene to 'Romeo and Juliet' begins in medias res as the Capulet serving men are in the middle of a conversation.
juxtaposition	The juxtaposition of two contrasting characters, images, or ideas is the fact that they are placed together or described together, so that the differences between them are emphasized.	The juxtaposition of light and dark imagery in the love scenes between Romeo and Juliet conveys their undercurrent of tragedy.
rising action	Rising action is the related series of events in a plot that build toward the point of greatest interest/ the climax.	The inspector's line of questioning for each character builds the rising action of the play 'An Inspector Calls'.
shifts in focus	A structural term that can be applied to Lang Paper 1 question 3, as you discuss the narrator shifting in focus from narrative description to viewpoint, dialogue or action.	In paragraph 2 the narrator shifts in focus from the description of the woods to the character's thought and actions.

English Language Paper 1: Skills Guide: How to tackle the exam

What's in the exam?

There will be **one fiction source** to read. There is 15 mins allocated reading time at the start of the exam, but you should spend under 10 mins reading the sources so that you can give yourself 25mins to answer Q4.

Section A reading:

- 1. **List four things** about a focused topic from the start of the source. [4 marks 3-5 mins]
- 2. A question asking you to **analyse language** on a focused shorter extract of the source. [8 marks, 10 mins]
- How has the writer structured the text to interest you as a reader? [8marks, 10 mins]
- 4. You will need to **evaluate a statement on the end of the source-** you will have to both evaluate the statement and provide your own interpretation with analysis of language in support of your view. [20 marks, 25 mins]

Section B Writing:

5. **Creative writing.** You can choose to **write a description** or piece inspired by a given image, OR to write a section of a **short story** based on a given topic.

You are tested on both A05: your ability to structure a longer piece of writing and craft language effectively, as well as A06: your sentence structure, spelling, accuracy, punctuation and grammar. [A05: 24 marks, A06: 16 marks, 45 mins]

Recommended Order:

Remember to read the source first for inspiration. Either answer the questions in order to build to Q5 or if you struggle with staying on top of timings, then answer Q5 before going backwards through the paper.

-Always speak to your teacher first to work out what works best for you.

Sentence stems for analysing language: for both Q2 and Q4

Writer's technique

- The writer introduces...... The writer establishes...
- The setting is crafted by... The writer gives the impression of...
- The writer focuses on describing.../ The writer uses...

Effect on the reader

-creates anatmosphere
-creates a mood of... / ...builds upon the feeling of...
- ...builds tension/ intrigue/ mystery/ anticipation of/ expectation of
-increases the tension for the reader because.....
- ...the reader begins to expect.....
-this makes the reader question/ wonder/ reason whether...
- This creates pity/ sympathy/ empathy because readers feel concern for...
- This makes readers feel fear/ unease about/ trepidation of/ anxious for... The writer then subverts expectations by...

English Language Paper 1: Skills Guide: Sentence stems for Q3, Q4 and Q5

Q3 skill up!

Q3: How has the writer structured the text to interest you as a reader?

Structural techniques:

- The writer introduces......
- The setting is established by...
- The writer sets up the exposition with...
- The writer focuses on describing...
- The focus then shifts to......
- The writer zooms in on
- The description pans out to...
- The writer changes perspective to......
- The writer speeds up the pace when.....
- The action begins to rise when...
- The writer builds tension when....
- The conflict is introduced/accelerated when...
- The action intensifies when...
- The writers deescalates the tension when..
- The writer builds to a climax with...
- There is a minor resolution when...
- The writer moves from this action to...

Impact

.....creates anatmosphere

......creates a mood of... / ...builds upon the feeling of...

...builds tension/intrigue/ mystery/ anticipation of/ expectation of

.....increases the tension for the reader because.....

...the reader begins to expect.....

......this makes the reader question/ wonder/ reason whether...

The... could foreshadow.....

This creates pity/ sympathy/ empathy because readers feel concern for...

This makes readers feel fear/ unease about/ trepidation of/ anxious for... The writer then subverts expectations by...

Question 4: Expressions to show you are evaluating:

- •The writer conveys the XXX as... this builds sympathy because...
- •Sympathy/ anticipation/ expectation... is established/ set up/ built upon when...
- •As well as sympathy, readers feel worry/concern/ uneasy when...
- •Whilst the writer does present ... it could also be see that... However, this could mean/suggest/show... The... could also link to....
- •In addition, the writer is also ... Alternatively, this also makes the reader question/ wonder/ reason whether...
- •Perhaps the writer is playing with our expectations by... Additionally, the writer then subverts expectations by...

APPROACH TO QUESTION 5:

This structure can be used for both the description and the short story options. Examiners want to see you slowly craft description and create atmosphere.

- 1. Create your **setting**: What location are you choosing? What is the time of day? Describe weather, temperature and the movement of the sun to establish time and place.
- 2. Craft your scene: What atmosphere/tone do you want to convey? Focus on a key character and moment to describe.
- 3. **Detail:** Zoom in and describe a detail either in the image (draw a box around the part you will describe) or in your imagined scene.
- 4. **Shift focus** to describe another **detail** in the image or in your imagined scene.
- **5. Add movement** to your writing. E.g. Move through or out of the image, move from inside to outside, a lower level to a higher level, a weather change, another character joining or a piece of action taking place etc.

English Language Paper 2: Skills Guide: How to tackle the exam

What's in the exam?

There will be **two non-fiction sources** to read; one from the 19th C. and one more modern on a related topic/theme. There is 15 mins allocated reading time at the start of the exam, but you should spend under 10 mins reading the sources so that you can give yourself 25mins to answer Q4.

Section A reading:

- 1. Say which **statements are true**. [4 marks 3-5 mins]
- 2. Write a **summary** of the differences on a topic about the sources. You need to summarise, infer and compare. (no language analysis). [8m, 10 mins]
- 3. For this question you need to **analyse language** on a focused shorter extract of one of the sources. [12 marks, 10 mins]
- 4. A **comparison of the two sources-** you will have to compare writers' attitudes and language use across the whole source. [16 marks, 25 mins]

Section B Writing:

5. **Argument writing.** You will be given a statement as a springboard and will then have to write an article, letter or speech that expresses your own point of view on a given topic.

You are tested on both A05: your ability to structure a longer piece of writing and craft language effectively, as well as A06: your sentence structure, spelling, accuracy, punctuation and grammar. [A05: 24 marks, A06: 16 marks, 45 mins]

Recommended Order:

- Remember to read the source first for inspiration. Either answer the questions
 in order to build to Q5 or if you struggle with staying on top of timings, then
 answer Q5 before going backwards through the paper.
- You can re-use quotations/ideas across the questions. Therefore if you need to warm-up before tackling Q4 you can answer 1-3 first, but you must allow yourself enough time to answer Q4 thoroughly which is like a mini-essay.
- Speak to your teacher about what works best for you.

<u>Sentence stems for language analysis</u> (Q3 and Q4)

- The writer introduces....../ The writer puts across the idea of... by.../ The writer uses ... [technique]
- <u>Effect on the reader</u>......conveys a tone of... / ...builds upon the feeling/ attitude of...
- ...builds tension/ intrigue/ critique of/ anticipation of/ expectation of
-this makes the reader question/ wonder/ reason whether...
- This creates pity/ sympathy/ empathy because readers feel concern for....

Comparative phrases (for Q4)

- Both sources... Source A... whilst Source B...
- Similarly/ In a similar way/ Likewise/ This relates to/ This is akin to...
- In contrast/ In a different way/ In opposition/ This juxtaposes with...
- However whilst source A..., source B on the other hand...

English Language Paper 2: Skills Guide: How to write a convincing argument for Q5

APPROACH TO QUESTION 5:

 What is the **task** asking you to write? TAP?

T = Text Type (Letter/Article/Speech)
A = Audience (School/Government)
P = Purpose (To argue/convince)

- 2. What is the **focus**? Unpack the **statement**.
- 3. Write your own **thesis statement** in response.
- 4. Plan **three logical ideas** to build an argument. Ensure you have examples to illustrate your ideas.

Section B Writing:

5. **Argument writing.** You will be given a statement as a springboard and will then have to write an article, letter or speech that expresses your own point of view on a given topic.

<u>Logos: Phrases to introduce a logical</u> <u>argument</u>

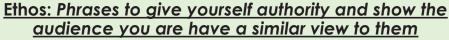
- First/ Secondly/ Thirdly/ Finally...
- If we do ... then surely ... will follow.
- Subsequently...
- Logically...
- Reasonably...
- Presumably...
- The cause of X is...
- Looking at... we can see that...
- A solution must be to..
- Have you ever considered..?

Pathos: Phrases to convey passion and conviction

- I firmly believe that...
- Personally the matter is important to me because...
- Sincerely...
- Unreservedly...
- Estimably...
- Can I implore you to consider
- Imagine a world where...
- Picture ...
- Can you ever conceive of...?
- It is intolerable that...

LANGUAGE DEVICES YOU COULD USE: DAFOREST

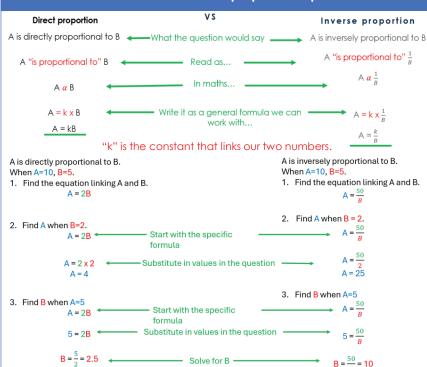
- Direct address
- Anecdotes
- Facts
- Opinions (dressed as facts)
- Rhetorical Questions/ Repetition
- Emotive language, expert views, examples
- Statistics (you can make these up in the exam but make sure they sound authentic and believable)
- Triplets, tone



- Clearly it is the case that...
- In my several years of experience as a student I have observed that...
- I have seen first hand...
- Experts/scientists/professionals claim that...
- Factually, it can be seen...
- Evidently...
- Assuredly...
- Undoubtedly...
- Unmistakably...
- Palpably...

Y11 Spring Term 1: Block1- Multiplicative Reasoning

Construct and use direct and inverse proportion equations



Pressure, Force, Area

Pressure, force and area are physical properties.

Area is a measure of the size of space a flat shape takes up. The derived SI unit for area is the square metre (m^{i}) .

Pressure is a compound measure, defined as the force per unit area. The standard unit of pressure is Pascals (Pa) where $1\,Pa=1\,N/m^2$

Force is the energy attributed to a movement or physical action. Force is measured in the standard unit Newtons (N).

To calculate either the pressure, force or area of an object, we use the pressure formula:

$$Pressure = rac{Force}{Area}$$

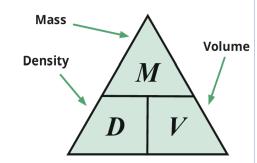


Density, Mass, Volume

The density of something is its mass per unit volume.

$$Density = \frac{mass}{volume}$$

So, the mass of an object with a **density** of **4.5 grams/cm³** and a volume of **4cm³** can be found by working out



Ratio Problems

 $4.5 \times 4 = 18 \text{ grams}$

There are Red and Yellow counters in a bag in the ratio 3:2.

Eve puts 15 Red counters into the bag.

The ratio of Red to Yellow counters is now 7:3.

How many counters are in the bag at the end?

Steps: Find the LCM for the unchanged colour, yellow.

LCM of 2&3 change Y into a multiple of 6



We're looking for a row where the number of Reds increases by 15.

End number of counters is: 42+18= 60

Check for knowledge

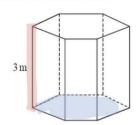
- I can
 construct and
 use direct
 and inverse
 proportion
 equations
- ☐ I can solve Density, Mass, Volume problems
- ☐ I can solve Pressure, Force, Area problems
- ☐ I can solve Ratio Problems

Maths | Multiplicative Reasoning | Topic Dictionary

Key Word	Definition	In a sentence
constant ratio	A relationship in which two quantities always maintain the same ratio or proportion, regardless of their individual values.	In a balanced chemical equation, the number of atoms of each element on both sides maintains a constant ratio .
Contant of proportionality	A fixed value that relates two quantities that are directly proportional to each other.	In the equation y=3x, the number 3is the constant of proportionality , showing the fixed relationship between y and x.
density	The measure of how much mass is packed into a given volume of substance.	The density of an object can be calculated by dividing its mass by its volume.
direct proportion	A relationship between two variables where an increase in one result in a proportional increase in the other, often described by the equation, where is the constant of proportionality.	The amount of time you spend studying is in direct proportion to your performance on the exam.
inverse proportion	A relationship where one variable increases as the other decreases, such that their product remains constant; typically described by the equation, where is a constant.	The speed of a car is in inverse proportion to the time it takes to reach a destination; the faster the car, the less time it takes.
mass	The amount of matter in an object or substance, usually measured in units such as kilograms (kg) or grams (g).	The mass of the object increased when more material wa added to it.
origin	The point in a coordinate system where the axes intersect, typically represented as (0, 0) in a two-dimensional Cartesian plane.	In a coordinate plane, the origin is the point where the x-axis and y-axis intersect, usually at (0, 0).
pressure	The force exerted per unit area, often measured in pascals (Pa), and describes how force is distributed over a surface.	The pressure exerted on the walls of a container increases as the gas particles collide more frequently with the walls.
varies directly	Describes a relationship in which one variable increase or decreases in direct proportion to another, such that as one variable increases, the other does as well.	The amount of money you earn varies directly with the number of hours you work.
varies inversely	Describes a relationship in which one variable increases as the other decreases, such that the product of the two variables remains constant.	The intensity of light varies inversely with the square of the distance from the source.

Maths | Multiplicative Reasoning | Skills Guide

The diagram shows a prism placed on a horizontal floor.



$$pressure = \frac{force}{area}$$



The volume of the prism is 18 m³

The pressure on the floor due to the prism is 75 newtons/m²

Work out the force exerted by the prism on the floor.

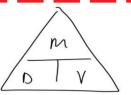
Area of cross =
$$\frac{18}{3}$$
 = $6m^2$
Section

450 newtons

A gold bar has a mass of 12.5 kg. = 12,5009

The density of gold is 19.3 g/cm³

Work out the volume of the gold bar. Give your answer correct to 3 significant figures.



y is directly proportional to $\sqrt[3]{x}$

$$y = 1\frac{1}{6}$$
 when $x = 8$

Find the value of y when x = 64

- 1) Represent with an equation (2) Substitute to find K
- 3 Substitute K to find y.
- D y ~ 3/x

There are only blue pens, green pens and red pens in a box.

The ratio of the number of blue pens to the number of green pens is 2:5. The ratio of the number of green pens to the number of red pens is 4:1.

There are less than 100 pens in the box.

What is the greatest possible number of red pens in the box?

15

D Find a formula for h in terms of t and k.

h is inversely proportional to p

$$p$$
 is directly proportional to \sqrt{t}

Given that h = 10 and t = 144 when p = 6, find a formula for h in terms of t

$$2 h \times \sqrt{t} = k$$

$$10 \times \sqrt{144} = k$$

$$h = \frac{k}{\sqrt{t}}$$

Y11 Spring Term 1: Block 2: Geometric Reasoning

Exterior and Interior Angles of Polygons Angle Sum 3 triangle 4 quadrilateral $(n-2) \times 180^{\circ}$ 6 hexagon pentagon number of 7 - heptagon triangles Polygons 9 - nonagon 10 - decagon interior angle exterior angle angle sum 360° number of sides number of sides OR 180° - interior 180° - exterior

Angles in Parallel Lines

Name	Example	Description
Corresponding	*	Equal corresponding angles are angles on same side of the transversal and in corresponding positions
Alternate	*	Equal alternate angles are angles between the parallel lines on opposite sides of the transversal.
Co-Interior	*	Co-interior angles are angles between the parallel lines on the same side of the transversal and add up to 180°.

Check for knowledge

- ☐ I can solve problems with exterior and interior angles of polygons
- ☐ I can solve problems involving angles in parallel lines
- ☐ I can solve problems involving vectors
- ☐ I can solve problems involving circle theorems

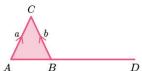
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Solve Problems Involving Vectors

AC - u, $BC - v$
The line AB is extended to the point D so that the length AD is three times the
length AB .

Find the vector \overrightarrow{AD} .

 $\overrightarrow{AC} = \alpha \overrightarrow{PC} = \mathbf{h}$



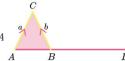
angle

Write any information you know onto the diagram.

There is currently no further information we can add to the diagram.

Decide the route.

We know AD is three times the length of AB. We need to find a route from Ato B and then multiply it by three.



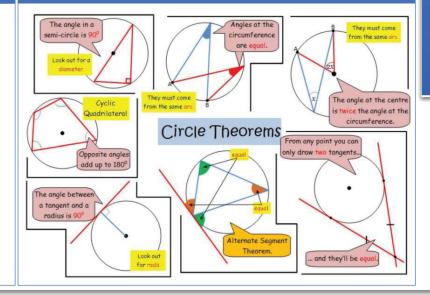
- Write the vector.
- Simplify your answer.

$$\overrightarrow{AB} = \mathbf{a} - \mathbf{b}$$

$$\overrightarrow{AD} = 3\overrightarrow{AB} = 3(\mathbf{a} - \mathbf{b})$$

$$\overrightarrow{AD} = 3\boldsymbol{a} - 3\boldsymbol{b}$$

Circle Theorems

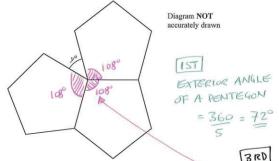


Maths | Geometric Reasoning | Topic Dictionary

Key Word	Definition	In a sentence
bisect	To divide into two equal parts.	To find the midpoint of a line, we can bisect it.
1 1 (1 () () ()	A line segment that goes from one point to another on the circle's circumference.	The length of a chord is $\frac{2}{3}$ of the diameter.
•	A four-sided shape with every vertex on a circle's circumference.	Opposite angles on a cyclic quadrilateral adds up to 180°.
	The angle between any side of a shape and a line extended from the next side.	The exterior angle of a regular triangle is 120°.
interior angle	An angle inside a shape.	The interior angle of a regular triangle is 60°.
I MAKANAN INAS		Linear lines with the same gradient means that they are parallel to each other.
		Triangles, quadrilateral, pentagon and hexagons are all examples of a polygon .
segment	The slice of a circle made by a chord.	Area of segment = area of sector - area of triangle.
tangent	A line that touches a curve at a point.	The angle between a radius and a tangent is 90°.
	A mathematical object that has both a magnitude and a direction.	$\binom{5}{-3}$ is an example of a column vector .

Maths | Geometric Reasoning | Skills Guide

The diagram shows 3 identical regular pentagons.

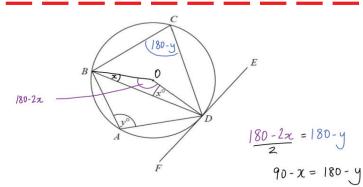


Work out the value of y.



y = 360 - 3×108





A, B, C and D are points on the circumference of a circle, centre O. FDE is a tangent to the circle.

$$90 + y - x = 90$$

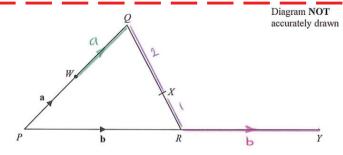
(a) Show that v - x = 90You must give a reason for each stage of your working.

OBD = ODB = x. Base angles in an isosceles are equal.

BOD = 180 - 2x. Angles in a triangle sum to 180.

BCD = 180 - y. Opposite angles in a cyclical quadrilateral sum to 180.

BOD = 2 x BCD. Angle at the centre is twice the angle at the circumference.



POR is a triangle.

The midpoint of PQ is W.

X is the point on QR such that QX: XR = 2:1

PRY is a straight line.

$$\overrightarrow{PW} = \mathbf{a} \overrightarrow{PR} = \mathbf{b}$$

(a) Find, in terms of a and b,

$$= \overrightarrow{QP} + \overrightarrow{PR} = -2a + b$$

$$\overrightarrow{W} = \overrightarrow{W} + \overrightarrow{Q} = a + \begin{bmatrix} 2 \\ 3 \\ 5 \end{bmatrix} - \frac{4}{3} = a + \begin{bmatrix} 2 \\ 3$$

R is the midpoint of the straight line PRY.

(b) Use a vector method to show that WXY is a straight line.

Use a vector method to show that
$$WXY$$
 is a straight line.
 $XY = XR + RY$

$$= \frac{1}{3}(R + RY)$$

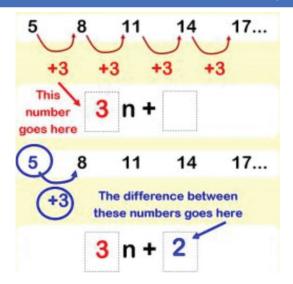
$$= \frac{1}{3}(b-2a) + b$$

$$= \frac{1}{3}b - \frac{2}{3}a + b$$

$$= \frac{2}{3}(2b-a)$$

Y11 Spring Term 1: Block 3: Algebraic Reasoning

Find the rule for the nth term of a linear sequence



Solve linear simultaneous equations

The most common method for solving simultaneous equations is the elimination method.

> Multiply one or both equations to make coefficients of one variable equal

Add or subtract the equations to eliminate one of the variables

Solve, then substitute back into one equation to find the value of the other variable

$$3x + y = 20$$

$$x + 4y = 14$$

$$12x + 4y = 80$$
× by 4 to make 4y in each equation

$$-x + 4y = 14$$
Subtract the equations and solve

Substitute

back into

one of the

equations

x = 6

$$3\times 6+y=20$$

$$18 + y = 20$$

$$y = 2$$

Check for knowledge

- ☐ I can find the rule for the nth term of a linear sequence
- □ I can solve simultaneous eauations with one quadratic
- ☐ I can solve linear simultaneous equations
- ☐ I can find the rule for the nth term of a auadratic sequence

Find the rule for the nth term of a quadratic seauence

We know that a given sequence is a quadratic sequence if the second difference is a constant.

The nth term of the quadratic sequence will be of the form:

$$an^2 + bn + c$$

We can derive the formulas for a, b and c

	n = 1	n = 2	n = 3
Term	a+b+c	4a+2b+c	9a+3b+c
1 st Difference	3 <i>a</i>	+ b) 5a	+ <i>b</i>
2 nd Difference		[2 <i>a</i>]	

$$2a = 2^{nd}$$
 difference
 $3a + b = 2^{nd}$ term -1^{st} term
 $a + b + c = 1^{st}$ term

Solve simultaneous equations with one quadratic

Solve: $y^2 + x^2 = 29$ x + 7 = y

Eliminate one of the variables.

We can use the fact that y = x + 7 to substitute the value of y into the first equation. See below:

$$(x+7)^2 + x^2 = 29$$

 $x^2 + 7x + 7x + 49 + x^2 = 29$

 $(x+7)^2 + x^2 = 29$

 $2x^2 + 14x + 49 = 29$

 $2x^2 + 14x + 20 = 0$

 $x^2 + 7x + 10 = 0$

(x+5)(x+2)=0

x = -5 or x = -2

Find the value of one variable.
3 Find the value of the remaining variables via substitution.

As we have two values of x we can substitute both values into one of the original equations and find the two possible values of y.

$$x = -5$$
 $x = -2$
 $x + 7 = y$ $x + 7 = y$
 $-5 + 7 = y$ $-2 + 7 = y$
 $2 = y$ $5 = y$

Clearly state the final answer.

$$x = -5, y = 2$$

or
 $x = -2, y = 5$

Maths | Algebraic Reasoning | Topic Dictionary

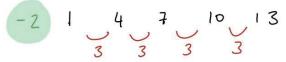
Key Word	Definition	In a sentence
elimination method	A technique for solving simultaneous equations by adding or subtracting the equations to eliminate one variable, making it easier to solve for the other.	Using the elimination method , we added the two equations to get rid of y.
inverse operations	Opposite operations that undo each other, such as addition and subtraction or multiplication and division.	To solve $x + 5 = 12$, I used the inverse operation and subtracted 5 from both sides.
linear sequence	A sequence of numbers that increases or decreases by the same amount each time. It can be written in the form an+ b, where n is the position of the term.	The numbers 3, 7, 11, 15 make a linear sequence because they increase by 4 each time.
nth term of a quadratic sequence	A formula that represents the n-th term in a quadratic sequence, usually in the form an^2+bn+c . It helps to find any term without listing all the numbers in the sequence.	The nth term of a quadratic sequence helps us find any term without listing all the numbers.
quadratic sequence	A sequence of numbers where the difference between consecutive terms changes, and the second difference is constant. It can be written in the form $an^2 + bn + c$, where n is the position of the term in the sequence.	The numbers 2, 6, 12, 20 form a quadratic sequence because the second difference is constant.
simultaneous equations	A set of two or more equations with the same variables. The goal is to find the values of these variables that make all the equations true at the same time.	We solved the simultaneous equations $x + y = 10$ and $x - y = 2$ to find x and y .
simultaneous quadratic equations	A pair of equations where at least one is quadratic (involves x^2 or y^2). The goal is to find the values of the variables that satisfy both equations.	Solving simultaneous quadratic equations often requires substituting one equation into the other.
solutions	Solutions The values of the variables that make an equation or a system of equations true. For example, for $x + y = 5$, a solution might be $x=2$, $y=3$.	The solutions to $x^2 + 3x - 4 = 0$ are x=1 and x = -4.
substitute	To replace a variable with a specific value or another expression in an equation to simplify or solve it.	I will substitute x=3 into the equation to find the value of y.
variable	A letter or symbol (like x or y) used to represent an unknown value in equations or expressions.	In the equation $y = 2x + 1$, x is the variable.

Maths | Algebraic Reasoning | Skills Guide

The first five terms of an arithmetic sequence are

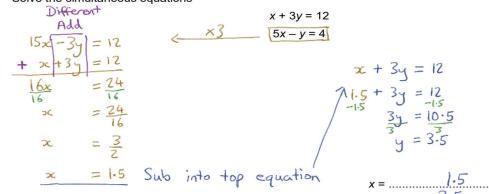
10

Write down an expression, in terms of n, for the nth term of this sequence.



3n-2

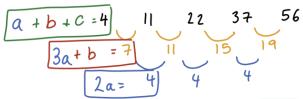
Solve the simultaneous equations



Here are the first five terms of a sequence.

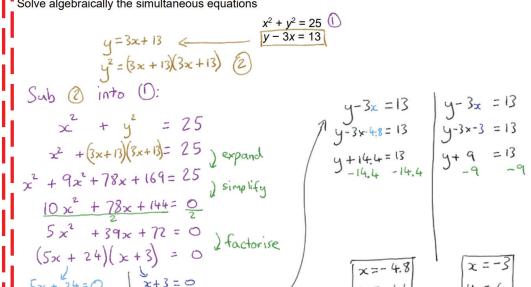
56

Find an expression, in terms of n, for the nth term of this sequence.



2a = 41

Solve algebraically the simultaneous equations



Y11 Spring Term 1: Block 4: Transforming & Constructing

Solve loci problems Check for knowledge Construction: using ruler and protractor or ruler and compasses Step 1: With the point of the compasses ☐ I can do The locus of points that are a bisector on the vertex, draw a curve Construction using given distance, d, from a point. ruler and protractor or ruler and Step 2: With the point of the The locus of points within a compasses on each intersection. compasses draw two further curves given distance, d, of a line. quadratic Step 3: Draw a line from the vertex The locus of points equidistant ☐ I can solve loci to the intersection of the arcs between two points problems Perpendicular (perpendicular bisector). bisector Step 1: With the point of the compasses on one end of the line, ☐ I can use The locus of points equidistant trigonometrical between two lines (angle bisector). graphs The locus of points a given Step 2: With the point of the compasses on the other end of the distance, d, from a polygon. line, draw a second arc Understand and use trigonometrical graphs Step 3: Draw a line through the two intersections $y = \sin \theta$ $y = \tan \theta$ Tangent graphs are also periodic. This graph repeats every 180° Maximum value = 1 Perpendicular Step 1: With the point of Step 2: With the point of the compasses the compasses on the on each intersection, draw two further arcs from a point on a line point P. draw two arcs The graph is not continuous. There is Step 3: Draw a line from point through a vertical asymptote -180 -90° 90° 270° every 180° the intersection of the arcs -90°, 90°, 270°.. The max/min epeats every 360 Minimum value = -1Sine and cosine graphs are periodic. Triangle given Step 2: Set the compasses so that the distance These graphs repeat every 360° -180° all three sides between the point and the pencil is the second $y = \cos \theta$ given length and draw an arc with the point of the compasses on one end of the original line Maximum value = 1 Step 3: Set the compasses so that the distance between the point and the pencil is the final given length and draw an arc with the point of the compasses on the other end of the original line Step 4: Draw the lines to make -180° -90° 360 180° the triangle Minimum value = -1Step 1: Draw a line using one of the given lengths

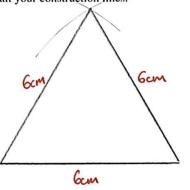
Maths | Transforming & Constructing | Topic Dictionary

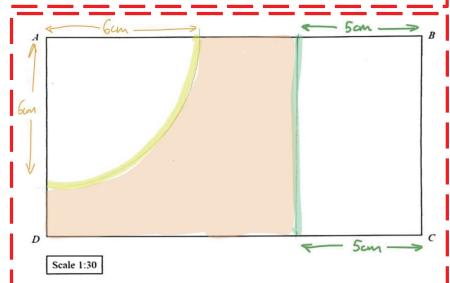
Key Word	Definition	In a sentence
angle bisector	A line or ray that divides an angle into two equal parts.	The teacher showed us how to draw an angle bisector to split the angle in half.
bisect	To divide something into two equal parts.	If you bisect the circle, you'll get two equal semicircles.
construct	To draw a shape, line, or figure accurately using a compass and straightedge.	I need a ruler and compass to construct an accurate triangle.
cosine	In a right triangle, the ratio of the length of the adjacent side to the hypotenuse.	The cosine of 60 degrees is equal to 0.5.
equidistant	Being the same distance from two or more points.	The park is equidistant from both our school and the library.
loci	The plural of locus; a set of points satisfying a specific condition.	The loci of all points 5 cm from a center point form a circle.
locus	A set of points that share a particular property or satisfy a certain rule.	The locus of points equidistant from two fixed points is a straight line.
perpendicular	Two lines or segments that meet at a right angle (90 degrees).	The two walls are perpendicular to each other, forming a right angle.
perpendicular bisector	A line that is perpendicular to a segment and divides it into two equal parts.	The perpendicular bisector of the line segment passes through its midpoint.
sine	In a right triangle, the ratio of the length of the opposite side to the hypotenuse.	To solve the triangle, I used the sine of the angle to find the missing side.

Maths | Transforming & Constructing | Skills Guide

In the space below, use ruler and compasses to **construct** an equilateral triangle with sides of length 6 centimetres.

You must show all your construction lines.





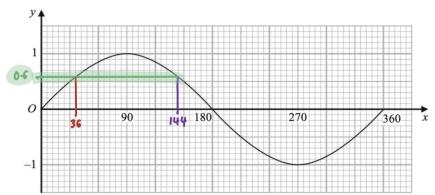
Sam is going to put a small table in the kitchen.

The table has to be more than 180 cm from A more than 150 cm from BC

180cm ÷ 30 = 6cm (on the plan)

Show, by shading on the diagram, the region where Sam can put the table.

Here is a graph of $y = \sin x^{\circ}$ for $0 \le x \le 360$



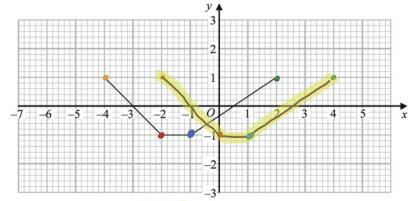
(a) Using this graph, find estimates of all four solutions of

$$\sin x^{\circ} = 0.6$$
 for $0 \le x \le 720$

The graph of $y = \sin x^{\circ}$ is reflected in the x-axis.

(b) Write down an equation of the reflected graph.

Here is a graph of y = f(x)



(c) On the grid, draw the graph of y = f(x - 2)

Y11 Spring Term 1: Block 5: Listing & Describing

Product rule for counting

The **product rule for counting** says If there are m ways of doing one thing and for each of these, n ways of doing another thing, then the total number of ways the two things can be done is $m \times n$ ways.

Example

Tim has 9 t-shirts and 4 pairs of shorts in his wardrobe. How many outfit combinations of t-shirt and shorts can be selected?

 \rightarrow 9 × 4 = 36

This rule can be extending for more than 2 categories.

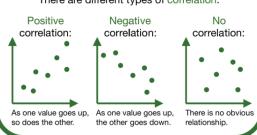
E.g. 9 t-shirts, 4 pairs of shorts and 5 caps

 \Rightarrow 9 × 4 × 5 = 180 combinations

Interpreting scatter graphs

If the two variables have a relationship we call it correlation.

There are different types of correlation:



We can use the Line of Best Fit to make predictions of other results. For example, we can estimate: ...or the wait time in KFC if we ...someone's height if we know their weight is 60kg. know they have 10 staff on today. 5min Heiaht Number of sta

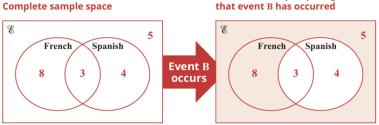
Complete and use Venn diagrams

In a class of 20 students, 3 students study both French and Spanish, 11 study French and 5 students don't study either language.

Conditional probability is a measure of the probability of events occurring if one event has already occurred.

Restricted sample space given

Complete sample space



One student is chosen at random

Given that this student studies Spanish, what is the probability that this student will also study French?

product rule for counting

3+4

□ I can complete and use Venn diagrams

Check for

knowledge

□ I can solve

problems

involving

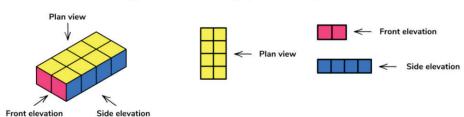
□ I can interpret scatter graphs

□ I can construct and interpret plans and elevations

Construct and interpret plans and elevations

Plans and elevations are a way of representing a 3 dimensional shape on paper. We have three views of the 3D shape:

- From the front of the shape, called the front elevation
- From the side of the shape, called side elevation
- From above looking down on the shape, called the plan view

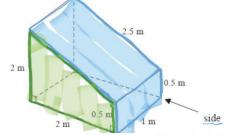


Maths | Listing & Describing | Topic Dictionary

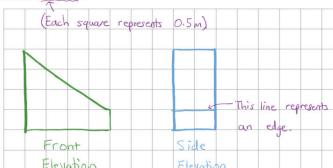
Key Word	Definition	In a sentence
conditional probability	The chance of an event happening, given that another event has already occurred.	The conditional probability of picking a red ball was higher after removing a blue one.
front elevation	A drawing that shows the front view of an object or structure.	The front elevation showed the design of the main entrance and windows.
line of best fit	A straight line drawn through the points on a scatter graph that shows the general trend of the data.	They added a line of best fit to the scatter graph to see the trend in the data.
negative correlation	A relationship between two variables where one decreases as the other increases.	There is a negative correlation between how much it rains and the number of people at the beach.
no correlation	When there is no clear relationship between two variables in a scatter graph.	The graph showed no correlation between shoe size and test scores.
plan view	A drawing that shows the top view of an object or structure as if looking straight down on it.	The architect drew a plan view of the house to show the layout of the rooms.
positive correlation	A relationship between two variables where both increase together.	There is a positive correlation between studying more and getting higher grades.
scatter graph	A graph that shows points plotted to represent two sets of data and how they might be related.	The students made a scatter graph to compare the height and weight of their classmates.
side elevation	A drawing that shows the side view of an object or structure.	The builder used the side elevation to see how tall the building would be.
Venn diagram	A diagram using overlapping circles to show relationships or common elements between different groups.	The teacher used a Venn diagram to show the shared and unique interests of two groups.

Maths | Listing & Describing | Skills Guide

The diagram shows a prism with a cross section in the shape of a trapezium.



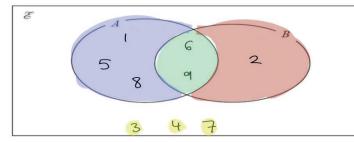
On the centimetre grid below, draw the <u>front elevation</u> and the <u>side elevation</u> of the prism. Use a scale of 2 cm to 1 m.



$$\mathcal{E} = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$$

$$A = \{1, 5, 6, 8, 9\}$$

$$B = \{2, 6, 9\}$$



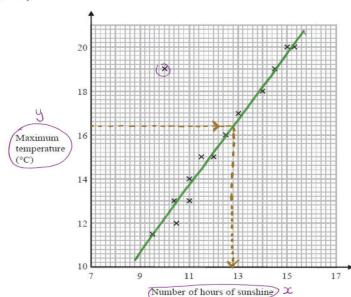
(a) Complete the Venn diagram to represent this information.

A number is chosen at random from the universal set \mathcal{E} .

(b) Find the probability that the number is in the set $A \cap B$



The scatter graph shows the <u>maximum temperature</u> and the <u>number of hours of sunshine in fourteen British towns on one day.</u>



(a) One of the points is an outlier. Write down the coordinates of this point.

(b) For all the other points write down the type of correlation.

On the same day, in another British town, the maximum temperature was 16.4°C.

(c) Estimate the number of hours of sunshine in this town on this day.

There are 16 hockey teams in a league.

Each team played two matches against each of the other teams.

Work out the total number of matches played.

 $16 \times 15 = 240$

RE | Theme C – The Existence of God and Revelation | Topic Dictionary

Image	Key Word	Definition	In a sentence
0 0	Agnostic	A person who is unsure whether God exists	An agnostic person might still be interested in learning about different religions and beliefs.
	All-compassionate	Belief that God is all-loving	Being all-compassionate is like being kind to everyone, even when it's hard.
	All-merciful	Belief that God always forgives	Being all-merciful is like giving someone another chance even if they've done something wrong.
XX	Atheist	Someone who does not believe a God exists	Even though atheists don't believe in God, they can still be kind and live good lives.
(2)	Benevolent	God's nature as all-loving and all-good	Many people believe that God is benevolent because He helps and cares for everyone.
	Conscience	Inner sense of right and wrong; seen as the voice of God within our mind by many religious believers.	When you feel guilty after doing something wrong, that's your conscience talking.
	Design argument/ teleological argument	An argument to prove God's existence by focusing on evidence of design in the world,	The design argument is one way people try to prove that God exists.
	Faith	A commitment to God and religion that goes beyond proof	People with strong faith trust that God is always there to help them.
	First cause argument	An argument to prove God's existence by logical argument that everything is caused by something else.	Just like a row of dominoes needs a push to start falling, the universe needed a first cause to exist.
√	General revelation	Indirect revelation; the idea of being able to see something of God through nature, or scripture.	General revelation helps people feel closer to God without needing special messages.
	Humanism	Belief system which excludes God but focuses on the morally good behaviour of human beings.	Even though humanists don't believe in God, they believe in being good to everyone.

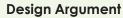
RE | Theme C – The Existence of God and Revelation | Topic Dictionary

Image	Key Word	Definition	In a sentence
	Illusion	That something is not real, but a trick of the mind.	Some people believe that the world is an illusion , and there's a deeper reality we can't see.
1	Immanent	God's nature as present in and involved in the world	Believing in an immanent God can make people feel like they're never alone.
ŔŔ	Impersonal	God's nature as non-human, unknowable and mysterious	Some people think of God as impersonal , like a force that doesn't get involved in our lives.
	Infinite regression	The universe goes back to infinity	Imagine asking, "What caused that?" and the answer keeps going back and never stops—that's infinite regression.
	Miracle	A remarkable event that cannot be explained by science alone	If someone survives a big accident, some might call it a miracle because it's so surprising.
	Omnipotent	God's nature as all-powerful	An omnipotent being can create the universe and control everything in it.
DID YOU'S	Omniscient	God's nature as all-knowing and aware of all that has happened past, present, future	Believing in an omniscient God can make people feel like they can't hide anything from Him.
	Personal	God's nature as merciful, compassionate and something humans can relate to	If God is personal, it means you can have a close relationship with Him and talk to Him.
	Polytheist	Belief that there are many gods/deities.	In ancient times, many cultures were polytheist , worshipping gods for different things like the sun and rain.
	Proof	Evidence that shows something is true or existent	Proof is important because it helps us know what is real and what isn't.
No.	Reality	What is real, actual or provable by science.	Sometimes, reality can be different from what we expect or hope for.

RE | Theme C – The Existence of God and Revelation | Topic Dictionary

Image	Key Word	Definition	In a sentence
	Special Revelation	God making themselves known through extraordinary experiences	Prophets often receive special revelation to guide and teach others about God's will.
**	Theist	Someone who believes in a God or Gods	Theists often pray and worship to show their love for God.
	Transcendent	God's nature as beyond our understanding, existing outside the universe	Believing in a transcendent God makes people feel like there is something greater than the world we see.
	Revelation	When God reveals Himself	A revelation can change how people understand the world and their faith.
***	Vision	Seeing something which is not physically real.	People believe that visions can show them what to do or what's going to happen.

As a Year 11GCSE student of RE I know the core beliefs and teachings about The Existence of God and Revelation in Christianity and Islam



The **Design Argument** argues that God must exist because the world around us is so intricate and well-designed that there must be an intelligent creator behind it.

William Paley puts this forward in his Watchmaker's Argument that says if you found a watch in the grass you would not assume its intricate mechanism had come about by accident, you would assume someone had created it. The same applies for the world around us.

Arguments for this proving God's existence

- Paley explained that a watch has a clear purpose so must have a designer. As the universe is more complex than a watch, it must have an omnipotent designer. E.g., the human eye.
- Christians believe this fits with Genesis where God designed the world with a purpose.

Arguments against this proving God's existence

- Evil and suffering challenge the idea that God designed the world with a clear purpose.
- Evolution and natural selection suggest that species design themselves over time. This goes against the idea of an intelligent designer.

Genesis 1- how this can support the Design and First Cause arguments. For example, "let there be light" could reference the first cause being God. Also, God designed the world with purpose and order which is suggested through the Design augment.

The First Cause/ Cosmological argument

The First Cause Argument was put forward by Thomas Aquinas and it argues that there has to be an uncaused cause that made everything else happen and that must be God. It argues that nothing moves without first being pushed and that God is the only possible being that can exist with no cause as God is eternal (never beginning, never ending)

Arguments for this proving God's existence Thomas Aquinas claimed that we can prove God's existence through three premises:

- 1. Everything that exists has a cause
- 2. The universe exists and has a cause The only possible First cause is God
- Some Christians believe God caused the Big Bang

Arguments against this proving God's existence

- Atheists say the argument is flawed. If everything that exists has a cause then why doesn't God?
- If everything has a cause then who caused God?
- Atheists would argue that the big band is the first cause and not God.

Genesis 1- how this can support the Design and First Cause arguments. For example, "let there be light" could reference the first cause being God. Also, God designed the world with purpose and order which is suggested through the Design augment.

Argument from Miracles



The **Argument from Miracl**es argues that **miracles** (a remarkable event seemingly only explained by God's actions) prove that God exists. They argue that these events (like Jesus' walking on water or people coming back from the dead) **cannot be explained by science** and that they must be the result of God's intervention.

Arguments for this proving God's existence

- Christians believe that miracles like the resurrection and incarnation show God's immanence.
- God works in the world through miracles

Arguments against this proving God's existence



- Atheists say miracle healings might be a result of mind over matter or a misdiagnosis.
- Atheists argue that miracles are just lucky coincidences or made up for fame



St Paul's special revelation a miracle that led to his conversion to Christianity.

The 69 miracles of Lourdes as evidence of the argument from miracles

Jesus' miracles as evidence that God is immanent and performs miracles today. For examples feeding the 5000 or Jesus turning water to wine.

As a Year 11GCSE student of RE I know the core beliefs and teachings about The Existence of God and Revelation in Christianity and Islam

General Revelation

This is a form of revelation where God reveals themselves through **ordinary experiences** which are open to all people to experience. This could be through **nature** where God's creation is revealed in the intricacy of the human eye or the beauty of the Grand Canyon.

It could be through **scripture**; God reveals much information about themselves in the Bible.

Arguments against this proving God's existence

- Christians argue the beauty of nature creates awe and wonder and shows God's immanence.
- Scripture tells us what God is like. For example, Genesis shows God's omnipotence, and the incarnation reveals his Omni-benevolence,

Arguments against this proving God's existence

- Atheists would argue that scripture is just authors' interpretations and opinions. They may have been translated and lost meaning.
- Atheists would argue that nature just tells us more about evolution and science.

"The heavens declare the glory of God; the skies proclaim the work of his hands" Psalm 19:1

"Among His signs, too, are that He shows you the lightning that terrifies and inspires hope"

Qur'an 30:24

Special Revelation

This is a form of revelation where God reveals themselves through **remarkable experiences** usually only open to one or a small group of people.

These could be **visions** (seeing Mary, God or Jesus), **dreams**, **miracles** or **hearing God's call** directly.

In the Bible **Saul** experiences a vision of Jesus on the Road to Damascus and this causes him to believe in God, change his name, and preach the Gospel

Arguments against this proving God's existence

- Christians believe that visions show God's immanence, omnipotence and Omnibenevolence.
- A vision leads to enlightenment, conversion (St Paul) and can start a religion.

Arguments against this proving God's existence

- Atheists think all special revelations are illusions with no scientific evidence to prove their truth.
- The person could be mistaken or ill, deprived of sleep, be on drugs or looking for fame and money.

St Paul's special revelation a miracle that led to his conversion to Christianity.

"You will conceive and give birth to a son, and you are to call him Jesus" Luke 1:31

Nature of God

Omnipotent, Omniscient, Benevolent

According to the Bible and Christian teachings, God is omnipotent (all-powerful), omniscient (all-knowing) and benevolent (all-loving).
"God has power to do anything" Qur'an 2:148
"Great is our Lord and mighty in power; his understanding has no limit" Psalm 147:5

Personal vs Impersonal

Different Christians have different views on God with some seeing them as personal and some as impersonal.

A **personal God** has human characteristics and Christians can form a relationship with them through prayer.

An **impersonal God** is mysterious and unknowable and has no human characteristics. More like an idea or a force than a human being.

"How great is God – beyond our understanding Job 36:26

Transcendent vs Immanent

They also disagree about God's place in the world.

A **transcendent God** exists beyond and outside of life on earth and is not limited by the laws of physics or the rules of time and space.

An **immanent God** is active and involved in life on earth and can play a role in events that happen here. This could be through the Holy Spirit answering prayers for example.

Jesus' miracles as evidence that God is immanent and performs miracles today. For examples feeding the 5000 or Jesus turning water to wine

"As the heavens are higher than the earth, so are my ways higher than your ways and my thoughts than your thoughts" Isaiah 55:9

As a Year 11GCSE student of RE I know the core beliefs and teachings about The Existence of God and Revelation in Christianity and Islam

Arguments against the existence of God based on science

In the past people have used the existence of God to help answer big questions such as:

- How did the universe get here?
- How did humans get here?
- What happens when we die?



- Scientific knowledge has advanced so now we have the answers to many of these questions.
- While science doesn't have the answers to everything yet, it has shown so far that none of them rely on the existence of God.
- We no longer need to believe in the existence of God to answer these questions
 science will answer them.

Christian

Some Christians reject the scientific argument as they believe the Genesis version of creation is literally true:

"In the beginning God created the heavens and the earth" Genesis 1:1

Muslims

Some Muslims reject the scientific argument as the Qur'an gives humans what they need to know about the creation of the universe:

"Are the disbelievers not aware that the heavens and the earth used to be joined together and that We (God] ripped them apart, that We (God] made every living thing from water? » (Qur'an 21:30)

Muslim responses

The Qur'an says: "God does not burden any soul with more than it can bear." (Qur'an 2:286) This shows that we have the ability to handle the suffering that we may have in life.

- Shaytan (the source of evil) tries to tempt humans to sin but we should put our trust in God.
- Life is a test, and God wants to see if humans stay on the straight path of Islam.
 We will be rewarded fi we resist evil.
- We may not understand why God does not intervene but we should behave in the most loving way ourselves and we will be rewarded by him in the afterlife. God is just and wise and knows best when and why certain things happen.



Both Christian and Muslim Response

- Scientific accounts do not necessarily conflict with the holy book.
- God created science for humans to use to their advantage and it reveals his creation to us.
- Science cannot disprove the existence of God.
- Science can tell us 'how' things work, and religion (God) can tell us 'why?

"The big bang.....does not contradict the divine act of creation; rather, it requires it" Pope Francis

Evil and suffering as an argument against the existence of God

People have tried to prove that God does not exist using logical reasoning and evidence as arguments against the existence of God.

Atheists may argue that the existence of evil and suffering in the world proves that God does not exist.

There are many examples of evil and suffering in he world.

For example, people have painful illnesses and people are fighting and killing each other.
God is supposed to be:

- all-knowing (omniscient) so he knows it is happening
- all-loving (omnibenevolent) so he would want to stop it
- all-powerful (omnipotent) so he should be able to stop it.

However, he doesn't do this, so he clearly doesn't exist.

Christian responses

- God can stop evil and suffering, but he has given humans free will (as with Adam in Genesis 3) to behave how they want. They choose to cause evil and suffering themselves (e.g., war), so God will not interfere with free will.
- We may not understand why God does not intervene, but we should behave in the most loving way to those that are suffering, and we will be rewarded by him in the afterlife.
- Life is a test, and God wants to see how humans respond to such events. We will be rewarded for our positive actions in the afterlife.
- Allowing evil and suffering means that humans can learn from mistakes and work together to make the world a better place, instead of thinking it's all God's job.

Skills – How to answer 4/5 mark GCSE questions in RE

Task:

Explain two contrasting beliefs in contemporary British society about the Design argument for God's existence [4]

Point	Some Muslims believe that the beauty and intricacy of nature proves that God created the world.
Explanation This teaches that He created order in the world and put humans in charge of creating in order to make it easier for them to see Him by following his words and showing stewardship.	
Point	On the other hand, Atheists disagree with the Design argument because they do not believe there is a God.
Explanation	They think that the natural world evolved after the Big Bang, a random event, and through natural selection creatures designed themselves without a need for God

Try these questions on your own

- Explain <u>two contrasting</u> beliefs about nature as general revelations. [4]
- 2. Explain **two contrasting** beliefs in modern British society about miracles[4]
- 3. Explain **two** religious beliefs about scriptures as a way of understanding the divine[5]
- 4. Explain **two** religious responses to the arguments against the existence of God based on science. [5]

Task:

Explain two religious beliefs about visions. Refer to scripture. [5]

Point	One belief is that Muslims believe that God can be revealed to people in a special direct way through visions.	
Evidence (sacred writing/scripture)	This states that, 'the prophet Muhammad had a vision of the angel Jibril on the Night of Power, who asked him to recite the Qur'an	
Explanation	The Qur'an teaches that some people who have had visions may become aware of reality in a new way that follows teachings in the Qur'an.	
Point	Another belief is that a Christians belief about visions is that they reveal a message to a person which makes them want to spread the word of God to other people	
Evidence (sacred writing/scripture)	An example of a vision in the Bible is in Acts 9:1-19 where it says Saul (who later became Paul) received a vision of Jesus on the Damascus Road. Saul was temporarily blinded and when he regained his sight, he changed from persecuting Christians to preaching the gospel of Jesus to everyone.	
Explanation	This means that since they believe the vision was given for a specfic purpose they often begin a life of preaching or sharing their experiences with others.	

RE | Theme E – Crime and Punishment | Topic Dictionary

Image	Key Word	Definition	In a sentence
	Community Service	Working in the community to pay back for a criminal act	Sometimes, people do community service instead of going to jail if they've broken the law.
	Capital punishment	Using physical pain as a punishment Death penalty	There is a lot of debate about whether capital punishment is fair or right.
222	Community service order	Uk punishment involving the criminal doing a set number of hours of physical labour.	A community service order is a way for people to make up for their mistakes by doing good deeds.
	Corporal punishment	Punishment in which physical pain is inflicted on the criminal;	In the past, schools used corporal punishment to discipline students, but it's less common now.
THE CRIME III	Crime	An action which is against the law and incurs a punishment can be against the person (e.g, murder), property (e.g, vandalism, or against the stale (e.g, treason)	If someone commits a crime , they can get in trouble with the police and might have to go to court.
	Death Penalty	A form of punishment where the offender is killed for their crime	There are different opinions about whether the death penalty is a fair form of punishment.
STOP	Deterrence	An aim of punishment – preventing future criminals by harsh treatment of offenders	The fear of getting caught and punished can be a strong deterrent for people thinking about breaking the law.
	Duty	What we have a responsibility to do.	It's everyone's duty to be kind and respectful to others in their community.
	Evil	Something or someone considered morally very wrong or wicked; often linked to the idea of a devil or other malevolent being.	Some stories and movies talk about the battle between good and evil.
FORGIVE	Forgiveness	To show mercy and pardon someone for what they've done wrong	Many religions teach the importance of forgiveness as a way to live peacefully with others.
Š	Greed	Reason for committing crime - wanting/desiring.	Greed can lead people to make bad choices, like stealing or cheating others.
Não C	Hate Crime	A crime motivated by hatred e.g. racism, homophobia	It's important to stand against hate crimes and support those who are victims of this kind of behavior.

RE | Theme E – Crime and Punishment | Topic Dictionary

lmage	Key Word	Definition	In a sentence
	Imprisonment	Locking criminal up and taking away their civil liberties	Imprisonment is meant to keep dangerous people away from society and give them time to think about their actions.
	Law	The rules citizens follow. Breaking these leads to punishment.	Laws are made to keep people safe and make sure everyone is treated fairly.
EN .	Murder	Unlawfully killing another person.	If someone is found guilty of murder , they can face severe punishment, like life in prison.
	Order	The enforcement of rules. E.g., by a police force	When there is order , people can go about their lives without fear of chaos or danger.
	Parole	Release of a criminal from prison under the condition they will meet with a parole officer who can monitor their behaviour.	If someone breaks the rules of their parole , they might have to go back to prison.
	Poverty	Not having enough money to be able to live a comfortable life	Many charities and organizations work to help people living in poverty .
	Prison	A place where criminals are sent to withdraw their freedom as punishment	In prison , people lose their freedom and must follow strict rules.
	Protection	Additional aim of punishment; to keep people safe.	Police and laws provide protection by stopping crime and helping those in trouble.
RED	Punishment	Something negative done to criminals by the state	Different actions have different punishments , depending on how serious the crime is.
4	Reformation	An aim of punishment – to try and reform criminals	Reformation focuses on giving people a second chance to improve and not repeat their mistakes.
\$\frac{1}{2}	Reparation	An aim of punishment; where the criminal makes up for, or pays back for, their crimes.	Reparation helps repair relationships and shows that the person is sorry for their actions.
	Retribution	An aim of punishment – seeking a form of revenge on criminals	Some people believe in retribution to make sure that criminals get what they deserve.

RE | Theme E – Crime and Punishment | Topic Dictionary

Image	Key Word	Definition	In a sentence
	Theft	Taking something without the owner's	It's important to respect other people's belongings and
		consent.	never commit theft.
HELP	Victim	Those directly affected by a crime e.g, person assaulted.	It's important to help and support victims so they can recover from what happened to them.
	Vindication	An aim of punishment; the punishment exists to justify the law.	If a person is wrongly blamed, they hope for vindication to clear their name.
O F	Young offenders	Criminals under the age of 18	The goal is to help young offenders change their ways before they become adults.

As a Year 11GCSE student of RE I know the core beliefs and teachings about Crime and Punishment in Christianity and Islam

Type of crime

Hate crimes- crimes that are motivated by prejudice

Christians believe that this is a worst crime because we are all made in the image of God, and they go against the teaching love thy neighbour. "Anyone who hates a brother or sister is a murderer, and you know that no murderer has eternal life residing in him"

Murder- deliberately killing somebody.

Christians believe that this is a worst crime because this breaks the sanctity of life and Decalogue "do not murder. There are very harsh punishments for murder for this reason. "You shall not murder" Exodus 20:13

Theft- permanently depriving someone of something they own.

Although Christians may understand why someone commits theft for need rather than greed, they would argue we should donate and support them so prevent this. Most Christians see this as a less serious crime but argue it is wrong because it does against the Golden Rule and Decalogue. "You shall not steal" Exodus 20:15

Reasons For Crimes

4

People are tempted to commit crime for a wide range of reasons including **poverty** (not having enough money or food), **upbringing** (where people are not taught right from wrong), **addiction** (some people commit crimes to feed an addiction), **greed** (committing crimes out of a desire for things they cannot afford), **hatred** or out of **opposition to unjust law** (breaking the law to oppose hateful or unjust laws)

Attitudes to Lawbreakers

Christians do not believe that people are evil but that people can be **tempted** to do wrong and break the law.

Christians are taught to "love the sinner, hate the sin" which means they should **forgive** and show mercy to people who have done wrong but admitted their mistakes and sought **atonement**. "I was in prison, and you came to visit me" Parable of Sheep and Goats

Some Christians believe that a law based on prejudice should be changed so breaking them to achieve justice is acceptable.

This is following the teaching of Jesus in Mark

12:15 when he says "give to Caesar what is

12:15 when he says, "give to Caesar what is Caesar's and to God what is God's", This suggests obedience to God is the priority.

Some Christians say no laws should be broken because St Paul tells them to "obey the law of the land" because God has given them the authority

Muslims believe that the law must be obeyed at all times. "God commands justice...and prohibits wrongdoing, and injustice" Qur'an 16:90

Intention is important in Islam as it will be taken into consideration at Judgement by God. Some believe that our actions and intentions will be 'weighed' by Allah like scales of justice,

"All actions are judged by motives, and each person will be rewarded according to their intentions" Hadith

Good and Evil Intentions

 Christian views about good and evil intentions. In the Bible it warns Christians against having any evil or wrong thoughts or intentions because they will be judged according to their behaviour. For example, Jesus said;

"You have heard it was said to the people long ago, "You shall not murder" and anyone who murders will be subject to judgement" (Matthew 5:21-22).

- Some actions can be evil for religious people even though they do not break the law. For example, adultery and working on the Sabbath day breaks the 10 Commandments.
- A good intention for Christians is generally one is encouraged by faith E.g., giving to charity.

"In everything, do to others what you would have them do to you" Matthew 7:12



- Christians believe that there is no such thing as an evil person because we are made in God's image and therefore good.
- However, the belief in original sin derived from Adam and Eve because of their disobedience to God means that some people have a tendency to do evil things even though they are not evil. Evil is an abuse of free will
- Most Christians believe in a figure called the Devil or Satan who is an evil power, yet less powerful that God who is good. The Devil constantly tries to tempt people towards evil. Therefore, they believe evil is a combination of external and internal factors.

As a Year 11GCSE student of RE I know the core beliefs and teachings about Crime and Punishment in Christianity and Islam

Three Aims of Punishment

Deterrence

This aim of punishment seeks to use punishment as a message to others considering committing crime. By giving one criminal a harsh punishment others may be put off committing a similar crime. "Cut off the hand of thieves....as punishment for what they have done – a deterrent from God" Qur'an 5:38

Reformation

This aim of punishment seeks to help criminals change their behaviour for the better. It may involve therapy, education or training. Many Christians support this as a form of 'love your neighbour' mercy.

Retribution

This aim of punishment is society getting its own back on the offender. The Old Testament says 'an eye for an eye' so some Christians would argue that this form of punishment is just according to the Bible.

Forgiveness

Forgiveness is at the heart of Jesus' teaching. It means to show mercy and pardon someone for what they have done wrong but showing someone forgiveness does not mean they should be justly punished for their crimes. When Jesus was crucified, he forgave those who sentenced him to death and crucified him saying: 'Father forgive them, for they know not what they do'. Luke 23:34

Forgiveness leads Christians to support reformation as an aim of punishment as it allows the criminal to be forgiven and to ask for forgiveness. They also use forgiveness as an argument against the death penalty.

Christian Attitudes to Punishment

Prisons

Many Christians believe prisoners should be **treated well** when in prison as even though they have done wrong they do not believe in evil people as much as evil actions. Some Christians campaign for better prison conditions out of mercy.

Corporal Punishment

Most Christians do not support using physical pain as a form of punishment as it is **harmful** and **negative**. It is currently illegal in the UK and many Christians would rather seek to reform a criminal than punish them in this way.

Community Service

Many Christians argue in favour of community service where criminals work to **repay** their community as a punishment. It allows criminals to make up for what they have done and does not harm the offender in the process.

Many people question why an omnipotent, omniscient and Omni-benevolent God would allow moral evil that causes suffering; however the Bible makes it clear that God gave humans free will and it is up to them to make the right decisions before Judgement Day.

Jesus' teachings in the Parable of the Sheep and the Goats and throughout the Bible are a guide for Christians. So Christians believe they should follow the example of Jesus who helped people who he saw suffering

Christian and Muslim teachings about suffering

Christians believe that if we want to be forgiven by God we must be willing to forgive. Jesus tells Peter that he should forgive 70 times 7. This means we should forgive unconditionally to gain salvation.

Muslims believe that only Allah can truly forgive and will only forgive those who are truly sorry (repent) and intend to follow the faith properly in the future. This is perfectly in line with the compassionate and merciful nature of God.

Suffering is also seen as a test from Allah, "You are sure to be tested through your possessions and person...this is the best course" Qur'an 3:186

Suffering is an unfortunate part of living. Evil that causes suffering can be natural or moral. Christians believe that they should try to help others who are suffering in the Parable of the Sheep and Goats.

Christians believe that good can come out of suffering. St Paul suffered at the hands of the Roman authorities when he was trying to promote Christianity. He said "We also glory in our sufferings because we know that suffering produces perseverance, persistence and character" (Romans).

As a Year 11GCSE student of RE I know the core beliefs and teachings about Crime and Punishment in Christianity and Islam

Corporal Punishment

Punishing offenders by causing them physical pain, for example, by lashing, amputation of limbs or caning.

Examples of countries that use corporal punishment include Iran, Saudi Arabia and Singapore. It is illegal in the UK.

Arguments For

- In the Bible it states that "a rod for a fools back."
- The Shari'ah law in Islam permits corporal punishment "Cut off the hands of thieves...Qur'an 5:38
- It is a retributive punishment. The Bible states- "an eye for an eye" so criminals should suffer like victims.
- It acts as a deterrent which puts criminals off. "He who spares the rod hates their children, but the one who loves their children is careful to discipline them"
 Proverbs 13:24

Arguments Against

- It breaks the sanctity of life for Muslims and Christians
- Most Christians would not support it for criminals as it causes physical harm and Jesus taught 'pray for those that persecute you'
- Christians believe it is not loving thy neighbour – Jesus "Blessed are the merciful, for they will be shown mercy" Matthew 5:7
- It doesn't allow criminals to reform

The Qur'an says that if someone is sorry and asks for forgiveness then the punishment does not need to be used. This means it is better to refrain from using corporal punishment and those that don't use it will be favoured by God

"But if anyone repents after his wrongdoing and makes amends, God will accept his repentance; God is most forgiving, most merciful"

Qur'an 5:38

 Both Christians and Muslims believe that community service would be a better alternative.

 Statistics suggest and show that capital punishment does not deter.

The Qur'an says those who show mercy will be rewarded by God. Some Muslims allow 'blood money' where the victim or their family receives money as compensation. "But if the culprit is pardoned by his aggrieved brother, this shall be adhered to fairly, and the culprit shall pay what is due in a good way....."Qur'an 2:178

The Death Penalty/Capital Punishment

The **death penalty** means the state killing criminals who have committed the worst crimes. It has not been used in the UK since 1969 but is still a common punishment elsewhere in the world.

Arguments For

- It is a retribution and the Bible-"an eye for an eye."
- It acts as a deterrent which puts criminals off
- It protects society because you can't reoffend if you're dead.
- Some Muslims support this because it is included in the Shari'ah Law.

"Whoever sheds human blood, by humans shall their blood be shed" Genesis 9:6

"....do not take life, which God has made sacred, except by right (justice). This is what He commands you to do: so that you may use your reason" Qur'an 6:151

Arguments Against

- If you convicted the wrong person, the innocent die
- Somebody cannot reform if they are dead.
 Jesus gave his life to reform humanity so we should do the same.
- It breaks the sanctity of life and Decalogue. In the Bible, Jesus says "If someone strikes you on the right cheek, turn to him the other also." This shows that the old law (An eye for an eye) was dismissed by Jesus.

Criteria	M a r k s
A well-argued response with reasoned consideration of different points of view. Logical chains of reasoning leading to judgement(s) supported by knowledge and understanding of relevant evidence and information	1 0 - 1 2
Reasoned consideration of different points of view. Logical chains of reasoning that draw on knowledge and understanding of relevant evidence	7 - 9
Reasoned consideration of a point of view Recognition of different points of view, each supported with relevant reasons and evidence.	4 - 6
Point of view stated with one reason in support	1 - 3

Try this questions on your own

'The death penalty should be made legal in Great Britain' **Evaluate this** statement.

For (agree with the statement)

One reason why
Christians/Muslims would
agree with the statement is

This means that...

X2

Religious Teachings

Christian/Islamic teachings that support this view/opinion are...

X2

offenders whoever they are and whatever they have done"

Evaluate this statement

Against (disagree with the statement)

However, some may disagree with this statement because....

This means that...



Religious Teachings

Christian/Islamic teachings that support this view/opinion are...

ΧŹ

Theme E - "It is right to forgive all

My opinion/conclusion -

In conclusion...

I believe this because...

Skills – How to answer 12 mark GCSE question in RE

TIP

It is essential to include evaluation because this is the key skill that you are being tested on in the 12-mark question. You can evaluate after each viewpoint, and/or at the end as part of your justified conclusion

TIP

Try to use religious terms in your answer, if it is appropriate, as this helps you to demonstrate your knowledge of the subject, For example, forgiveness, atonement, crime

TIP

Spelling,
punctuation and
grammar is
assessed on each
12- mark question,
so make sure you
are careful to use
your best written
English

<u>Try this questions on your own</u>

'Sometimes suffering can be good for a person' **Evaluate this statement**.

Theme E - "It is right to forgive all offenders whoever they are and whatever they have done" Evaluate this statement . question mark answer How to

For (agree with the statement) One reason why Muslims would agree with the statement is

This means that...

X2

Religious Teachings

Christian/Islamic teachings that support this view/opinion are...



Against (disagree with the statement)

However, some may disagree with this statement because...

This means that...



Religious Teachings

Christian/Islamic teachings that support this view/opinion are...



My opinion/conclusion

In conclusion...

I believe this because...

For (Agree with the statement)

Forgiveness is showing grace and mercy and pardoning someone for what they have done wrong. Both Christianity and Islam teach that forgiveness is an important aspect of life between humans and God. In the Lord's Prayer it states that, "Forgive us our sins, as we forgive those who sin against us." This shows how that if we wants our sins forgiven, we need to do so to those who offend us.

Christians should always forgive anybody who wants to be forgiven. When the disciples asked Jesus how many times they should forgive, suggesting that seven was a fair number, Jesus told them it should be seventy-seven times. In other words, there should be no maximum. Jesus even asked God to forgive the people who crucified him because they didn't know what they were doing. So, it should not matter how many times, whoever is asking to be forgiven or what they have done to be forgiven for.

If someone is forgiven, there is a better chance that they wil be reformed and try hard to make sure that whatever they have done is never repeated. This is what repentance is about and forgiveness and repentance are closely linked. No sin is unforgiveable and so people, especially religious people, should always forgive, especially as this does not mean that the sinner is not punished because they have been forgiven. The Qur'an states that, "A kind word and forgiveness is better than a charitable deed followed by hurtful words

Against (disagree with the statement)

Some people who are victims of serious crimes find it very difficult to forgive. They cannot imagine how they can ever feel anything but hatred for someone who has wronged them so horribly. A victim of rape may find it hard to forgive their attacker and they are highly unlikely to ever forget it. Time is a great healer and maybe forgiveness is more easily given some years later.

The line in the Lords' Prayer that says: 'Forgive us our sins, as we forgive those who sin against us,' is unrealistic because there are some awful things that should never be forgiven unless the offender shows they are truly sorry and remorseful, and even then, it is almost impossible. Many Jews find it impossible to forgive the Nazis for hte Holocaust and why should they be expected to? Some victims of 9/11 are still suffering from the after marks of this attack, how can they forgive?

Conclusion

In conclusion both Christianity and Islam teach that forgiveness is an important aspect of life between humans and God. In my opinion I believe this because forgiveness is an ideal that religions want people to work towards. I think if they become the victims themselves, they may change their mind. We are only human, and it is difficult to forgive someone who has grealy hurt you or a loved one. Maybe Muslim's have it right because they teach that offenders should seek forgiveness from their victim before expecting God to forgive them. To me, this seems fair.

Science | Genetics and evolution (B15)

Core focus
All learners

Triple science only

Speciation

The process by which two species evolve from a single original species by natural selection. Speciation often occurs in response to isolation or a change in the environment of one population.

Theory of Evolution

Charles Darwin proposed the theory of evolution by natural selection (as seen in Variation and Evolution KO (B14)). Darwin published his ideas in *On the Origen of Species* (1859). There was much controversy surrounding these revolutionary ideas and the theory was gradually accepted because:

- 1. The theory challenged the idea that god made all the animals and plants that live on earth,
- 2. There was sufficient evidence at the time the theory was published to convince many scientists
- 3. The mechanism of inheritance and variation was not known until 50 years after the theory was published.

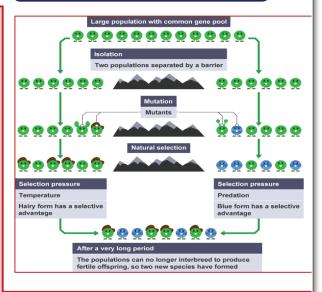
Other theories, such as Jean-Bapiste Lamarck, are based on the idea that changes occur in organisms during its lifetime can be inherited. We now know that in the vast majority of cases this type of inheritance cannot occur.

The understanding of genetics

- Mid-19th century Gregor Mendel carried out breeding experiments on plants. One of his observations was the inheritance of characteristics is determined by 'units' that are passed on.
- Late 19th century the behaviour of chromosomes during cell division was observed.
- Early 20th century it was observed that chromosomes and units behaved in similar ways. This led to the idea that 'units', now called genes, were located in chromosomes.
- Mid-20th century the structure of DNA was determined and the mechanism of gene function was worked out.

The scientific work by many scientists led to the gene theory being developed.

Speciation



LAMARCK

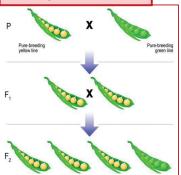
DARWIN







The cross Mendel performed



New species can also arise as a result of **isolation**:

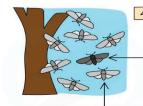
- two populations of a species can become geographically separated because of the environment
- isolation can prevent interbreeding and the combination of genes within a species
- different mutations can take place in the isolated groups and create different <u>phenotypes</u> within a particular location
- over time species may evolve to be different to each other, and they will not be able to interbreed

Science | Genetics and evolution (B15)

1 THERE IS VARIATION WITHIN THE PEPPERED MOTH POPULATION.
LIGHT MOTHS > DARK MOTHS

POLLUTION LEADS TO DARKER
BARK ON TREES. THE
ENVIRONMENTAL CHANGE IS
BENEFICIAL TO THE DARK
MOTHS. THEY NOW HAVE THE
ABILITY TO CAMOUFLAGE AGAINST
THE BARK OF THE TREES





DARK MOTHS ARE
NOW MORE LIKELY
TO SURVIVE AND
REPRODUCE, PASSING
ON THEIR ALLELES
FOR A DARK
PHENOTYPE TO
THEIR OFFSPRING

3 LIGHT MOTHS ARE NOW MORE LIKELY TO BE EATEN BY BIRDS, AND LESS LIKELY TO REPRODUCE



OVER TIME, THERE IS A GRADUAL INCREASE IN THE PROPORTION OF DARK MOTHS.

DARK MOTHS > LIGHT MOTHS

Fossils and extinction

Fossils are the 'remains' of organisms from millions of years ago, which are found in rocks.

Fossils may be formed:

- From parts of organisms that have not decayed because one or more of the conditions needed for decay are absent.
- > When parts of the organism are replaced by minerals as they decay
- As preserved traces of organisms, such as footprints, burrows and rootlet traces

Many early forms of life were soft bodied, so no fossils where formed. What traces there were have been destroyed by geological activity. This is why scientist can not be certain about how life began on earth.

Evidence of evolution

The theory of evolution by natural selection is now widely accepted.

Evidence for the theory has been shown through:

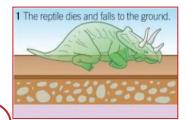
- Characteristics being passed on to offspring through genes
- Fossil records (to see how much or little organisms have changed as life developed on earth)
- How resistance to antibiotics evolves in bacteria

Extinction

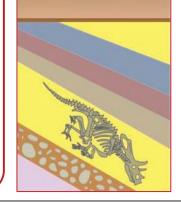
Extinction occurs when there are no remaining individuals of a species still alive. Factors that may cause extinction include:

- A new disease
- Environmental changes over geological time

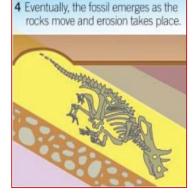
- A new predator (either evolved or introduced)
- A new competitor (either evolved or introduced)
- A single catastrophic event that destroys the habitat (e.g. volcanic eruption)
- Natural changes in species over time



3 Protected, over millions of years, the skeleton becomes mineralised and turns to rock. The rocks shift in the earth with the fossil trapped inside.



The flesh rots, leaving the skeleton to be covered in sand or soil and clay before it is damaged.



Science Genetics and evolution (B15)

Antibiotic resistant bacteria

- Bacteria can evolve rapidly because they reproduce at a fast rate,
- > Mutations in bacterial pathogens produce new strains.
- Some strains might be resistant to antibiotics (so are not killed)
- > They survive and reproduce, so the population of resistant strain increases.
- > The resistant strain will spread, because people are not immune to it and there is no effective treatment.

How antibiotic resistance develops

to kill the types of bacteria that

make us sick



get better at defending themselves

against antibiotics, meaning resistant

bacteria are harder to kill. This is called antibiotic resistance multiply, making our antibiotics

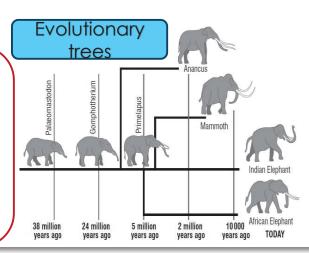
less and less effective

Classification of living organisms

- Traditionally living things have been classified into groups depending on their structure and characteristics in a system developed by Carl Linnaeus.
- Linnaeus classified living things into kingdom, phylum, class, order, family, genus and species. To remember, think! <u>Keep Ponds Clean Or Frogs Get Sick!</u>
- Organisms are named by their. Binomial system of genus and species (e.g. homo sapiens)
- As evidence of internal structures become more developed due to improvements in microscopes, and the understanding of biochemical processes progressed, new models of classification were proposed.
- Due to evidence (from chemical analysis) there is now a 'three domain system' developed by Carl Woese. In this system organisms are divided into:
 - Archaea (primitive bacteria usually living in extreme environments)
 - Bacteria (true bacteria)
 - Eukaryota (which includes protists, fungi, plants and animals)

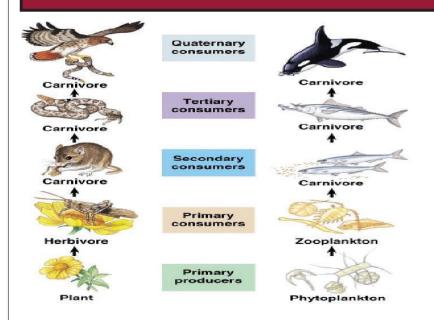
MRSA

- MRSA is resistant to antibiotics
- > To reduce the development of antibiotic resistant strains:
 - Doctors should not prescribe antibiotics inappropriately (e.g. for treating viral infections)
 - Patients should complete the full course of antibiotics, so all the bacteria is killed
 - > The agricultural use of antibiotics should be restricted
- The development of new antibiotics is slow and costly. It is unlikely to keep up with the emergence of new strains.



- Evolutionary trees are a method used by scientists to show how living organisms are related.
- They use current classification data for living organisms and fossil data from extinct organisms.

Science Organising an ecosystem (B17)

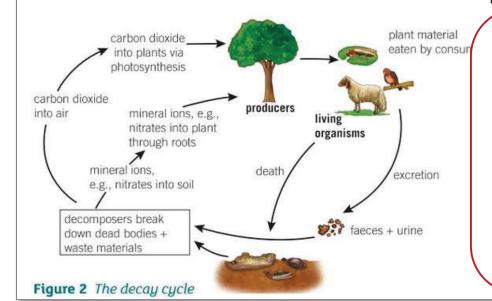


Feeding relationships

- Feeding relationships within a community can be represented by food chains.
- All food chains begin with producers
- > Producers synthesises their own food (glucose) by **photosynthesis**
- > Examples are plants and algae
- The <u>arrows</u> in a food chain show the flow of energy.
- > Animals that are eaten are known as **prey**.
- In a stable community, the numbers of predators and prey rise and fall in a cycle.

Materials cycling- The decay cycle

- Many materials cycle through both abiotic and biotic components of an ecosystem.
- The **decay cycle** is important in recycling materials for re-use. For example, carbon dioxide and mineral ions.
- Decomposers (bacteria and fungi) break down waste products and dead organisms.
- Detritivores (maggots and worms) may start the process of decay by eating the waste or dead organisms.
- The decomposers then digest the dead animals, plants and detritus feeders (and their waste) to return carbon dioxide, water and mineral ions back to the environment.
- > A stable community recycles all of the nutrients it takes up



Science Organising an ecosystem (B17)

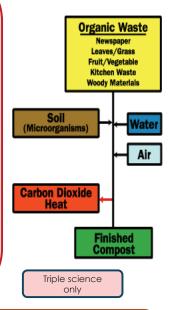
Rates of Decomposition

Factors that affect the rate of composition by decomposers:

- Temperature the enzymes controlling the decay reactions (digestion and respiration) are affected by temperature.
 - > If it is cold, the enzymes work slowly
 - > If it is hot, the enzymes denature
- Moisture most microorganisms grow faster in moist conditions,
 - Rate of decomposition is higher in moist conditions
- Oxygen some microorganisms are anaerobic,
 - But many need a supply of oxygen for aerobic respiration

So the rate of decay is higher in warm and wet conditions, with a good availability of oxygen.

Uses of Decomposition



Variables:

Independent – change in temperature (e.g. 20, 30, 40°c)
Dependent – change in pH
Control – the time the milk was left to decay, the moisture levels, the oxygen levels, volume of milk, volume of decomposer.

Method

- 1. Place 20 cm³ of fresh milk into three beakers
- Decide the three temperatures you will investigate. Write these onto the sides of the beakers.
 Use regular intervals of temperature!
- 3. Use universal indicator paper or solution to determine the pH of the milk in the three beakers
- 4. Cover each beaker in cling film and incubate at the appropriate temperature
- Use universal indicator paper or solution to determine the pH of the milk in the three beakers after 24, 48 and 72 hours

<u>Required Practical</u> – The effect of temperature on the rate of decay of milk

Rate of decay $(g.days) = \frac{change\ in\ mass\ (g)}{time\ (days)}$

EXAMPLE: A group of students were studying the rate of decay of a piece of bread. At the start of the experiment the mass was **25 g** and after **10 days** the mass of the bread was **20 g**.

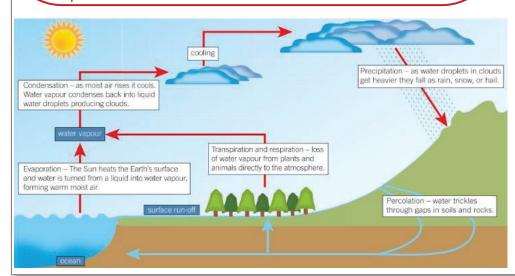
Change in mass (g) = starting mass – end mass change in mass (g) = 25 - 20= 5g

Rate of decay
$$(g. days)$$

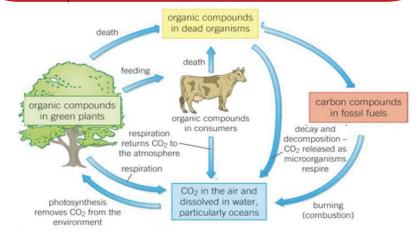
= $\frac{5g}{10 \ days}$ = $\mathbf{0.5} \ g. \ day^{-1}$

Science Organising an ecosystem (B17)

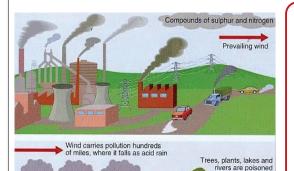
- The water cycle provides fresh water for plants and animals on land, before draining into the seas and oceans.
- Water constantly evaporates from the land surface, rivers and the seas.
- As water rises into cooler air, it **condenses**, forming clouds.
- Water is then **precipitated** back to the surface as rain, snow, hail or sleet.
- Water passes though the bodies of living organisms (plants and animals) and is released via respiration and decay.
- Animals also lose water in urine, faeces, and sweat (only mammals)
- > Plants also lose water during **transpiration**.
- A stable community recycles all of the nutrients it takes up



- The **carbon cycle** returns carbon from organisms to the atmosphere as carbon dioxide to be used by plants in photosynthesis.
- > The carbon cycle involves photosynthesis, respiration and combustion
 - Photosynthesis removes carbon dioxide from the atmosphere
 - Used to make carbohydrates, fats and proteins
 - Animals eat plants and build up carbon into their bodies
 - When organisms die, microorganisms return the carbon back into the atmosphere through respiration.
 - When humans cut down and burn trees (combustion) carbon dioxide is released back into the atmosphere.
- A stable community recycles all of the nutrients it takes up



Science | Biodiversity and ecosytems



A high **biodiversity** ensures a stable community by reducing the dependence of one species on another for food, shelter, and maintenance of the physical environment. Human activity is affecting biodiversity, as the population of the earth continues to increase.

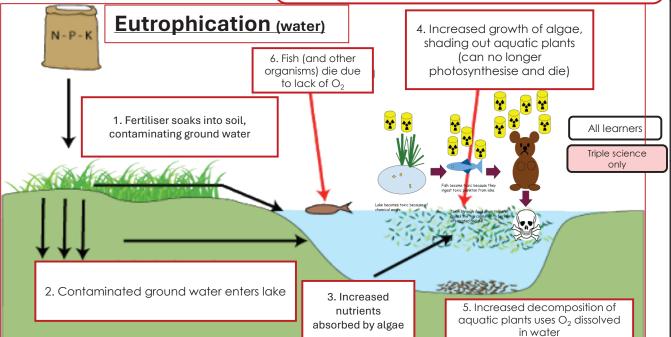
How do humans reduce biodiversity:

- ☐ Land use building houses/farming
- ☐ Pollution land, water and air pollution
- Quarries to gain resources

Types of pollution – all three kill plants and animals, reducing biodiversity

	Till Tals, Todooling <u>Stodivolstry</u>		
	Caused by	Issues	
<u>Fand</u>	Land fill (waste produced by homes) • destroys habitats • Toxic chemicals (nuclear, untreated waste) spread into soil	Increase in chemicals, kills plants = reduces biodiversity. Bioaccumulation – build up of toxic material in food chain. Effects top predator the most.	
Water	Chemicals (fertiliser, pesticides, herbicides) and untreated waste washing into water system	Bioaccumulation in aquatic food chains. Eutrophication of bodies of water, causing death of aquatic organisms due to lack of O ₂ .	
Air	Burning fossil fuels releases CO ₂ , sulphur dioxide and soot.	Sulphur dioxide causes acid rain. Can negatively effect wildlife (kill trees, destroy habitats and ecosystems) Soot can cause global dimming, and can also cause breathing	

problems



Science | Biodiversity and ecosytems

Deforestation

Reasons for deforestation:

- ☐ To grow staple foods
- ☐ To rear (farm) cattle
- ☐ To grow crops for biofuels

Negative effects of deforestation:

- Less trees to take in CO₂
- □ Trees that are cut down are burnt → release more CO₂
- □ Decomposers break down dead material → release more CO₂
- □ Reduce <u>biodiversity</u> through destruction of habitats

Peat bog destruction

Peat bogs are areas of land that store $CO_{2'}$ and form over thousands of years.

Peat is made of dead plant material that do not decay

The land in peat bogs is:

- Very acidic
- Lack oxygen

So decomposition of dead materials does not occur.

Peat bogs have **high biodiversity**.

Reasons for destruction:

- \square Peat is used as a fuel \rightarrow releases CO_2
- Used to improve soil properties → releases CO₂

Peat bogs are being destroyed at a higher rate than they are being formed.

Destruction of peat bogs decreases biodiversity, as it is destroying habitats and ecosystems.

Global warming and the greenhouse effect – the three main greenhouses gases are: <u>carbon dioxide</u>, <u>methane</u> <u>and water vapour</u>







Impact of change

Environmental factors, such as, availability of water, temperature, and concentration of dissolved atmospheric gases in water are closely linked to the distribution of organisms.

These changes may be:

- Seasonal
- □ Geographic
- ☐ Caused by human interaction

<u>Global warming</u> - increase in the average temperature due to the build up of greenhouse gases.

Consequences of global warming:

- Loss of habitats flooding, desertification.
- ☐ Changes in distribution changes in rainfall, increase/decrease in temperature
- Change in migration patterns

Maintaining biodiversity

- □ Breeding programmes for endangered species used to increase population of species
- Protection and regeneration of rare habitats
 protects organisms populations to all them to grow.
- Reintroduction of field margins and hedgerows – increase diversity of wild animals (increases biodiversity)
- Reduction in deforestation and carbon emissions – governments are using greener sources to produce electricity (less pollutants released into atmosphere)
- Recycling resources less waste = less land used for land fill less CO₂ released.

Science | Genetics and evolution | Topic Dictionary

Key term	Definition	In a sentence
Binomial system	The universal system of naming organisms using their genus and species.	The binomial system , developed by Carl Linnaeus, is used to give every species a unique scientific name consisting of two parts: the genus and the species.
Classification	The organisation of living organisms into groups according to their similarities	The classification of animals into different groups, such as mammals, birds, and reptiles, helps scientists understand their relationships and evolution.
Domain	The highest level of classification. The three domains are: archaea, bacteria and eukaryote.	In biology, the domain is the highest level of classification, dividing all life into three groups: Bacteria, Archaea, and Eukarya.
Evolutionary trees	Models used to explain evolutionary links between groups of organisms.	Scientists analyse the relationships between organisms using evolutionary trees.
Extinction	The permanent loss of all members of a species from an area or the world.	The dodo is a bird that is extinct .
Fossils	The remains of dead organisms found in rocks which are millions of years old.	Mr smith carefully brushed away the dirt, revealing a collection of fossils that told the story of an ancient ecosystem.
Linnaean system	The classification of organisms into kingdom, phylum, class, order,family, genus and species, as developed by Carl Linnaeus.	In biology class, we learned how the Linnaean system of classification organizes living organisms into hierarchical categories.
Natural selection	The process by which the frequency of advantageous traits passed on in genes gradually increases in a population over time.	Antibiotic resistance is an example of natural selection.
Speciation	The formation of new species in the course of evolution, often due to the evolution of two isolated populations.	Over time, geographical isolation and environmental differences led to speciation .
Species	The smallest group of clearly identified organisms in Linnaeus's classification system, often described as a group of organisms that can breed together and produce fertile offspring.	The rainforests of the Amazon are home to thousands of species , many of which have yet to be discovered by scientists.

Science | Organising an ecosystem | Topic Dictionary

Key term	Definition	In a sentence
Abiotic factors	The non-living aspects of an ecosystem e.g. temperature, light intensity, moisture, wind direction, wind intensity, soil pH, soil mineral content, carbon dioxide levels and oxygen levels.	The survival of the plants in the desert depends on both biotic factors, like animals and insects, and abiotic factors , such as temperature and soil moisture.
Population	All organisms of the same species living with one another in a habitat.	The rabbit population in the meadow has surged this spring, as mild weather and abundant food sources create ideal breeding conditions.
Predators	Consumers that prey on and eat other animals.	The wolf, as a predator , hunts the deer, its prey, in a delicate balance of nature where each relies on the other for survival.
Prey	Animals that are eaten by predators.	The cheetah, a skilled predator, swiftly chases down the deer, its prey , in a high-speed pursuit across the savanna.
Producers	Photosynthetic organisms (e.g. green plant or alga) at the start of the food chain that provide biomass for all living things.	Plankton, as primary producers in aquatic ecosystems, play a crucial role in converting sunlight into energy, forming the foundation of the food chain.
Water cycle:	The cycle through which water moves between living organisms and the environment, involving evaporation, transpiration, condensation and precipitation.	The water cycle plays a crucial role in maintaining Earth's climate by regulating the movement of water between the atmosphere, oceans, and land.
Anaerobic decay	Decomposition in the absence of oxygen (commonly occurring in waterlogged soils) that produces carbon dioxide and methane gas.	Anaerobic decay occurs when organic matter breaks down in the absence of oxygen, often producing gases like methane in landfills or swampy environments.
Biogas	A type of biofuel (methane gas) produced by anaerobic decay in biogas generators	Biogas is a renewable energy source produced from the breakdown of organic waste, offering a sustainable alternative to fossil fuels.
Mycoprotein	A food high in protein (suitable for vegetarians) that is produced by the microorganism, Fusarium, in fermentation vats.	Some people eat mycoprotein which is a plant- based protein made from fungi, kind of like mushrooms. It is nutritious and a great alternative to meat.

Science |Biodiversity and ecosystem| Topic Dictionary

Key term	Definition	In a sentence
Quadrat	A square grid of known area used in sampling to determine the abundance and distribution of organisms in an ecosystem.	To study the distribution of wildflowers, the ecologist placed several quadrats across the field and recorded the number of species within each one.
Transect:	A line along an area used in sampling to determine the abundance and distribution of organisms in an ecosystem.	The scientists laid a transect line across the forest to observe how plant species vary with changes in altitude and soil type.
Peatlands	Areas of peat soil in wetland habitats formed by the accumulation of partially decayed organic matter. Peat is commonly used as a garden compost.	Peatlands are fragile ecosystems that store vast amounts of carbon, but they are at risk of degradation due to drainage and climate change.
Deforestation	The removal of trees from land which is subsequently used to grow crops or provide space for cattle.	Deforestation in the Amazon rainforest has reached alarming levels, threatening countless species and disrupting the global climate balance.
Biodiversity	The variety of living organisms in an ecosystem.	The forest's biodiversity is remarkable, with a wide variety of plant and animal species that depend on the diverse ecosystem for survival
Pollution	Contamination or destruction of the natural environment due to human intervention.	Pollution in the river has caused a decline in water quality, threatening aquatic life and disrupting the local ecosystem.
Population	All organisms of the same species living with one another in a habitat.	The world population continues to grow rapidly, putting increasing pressure on resources such as food, water, and energy.
Food security	Ensuring that populations have access to adequate amounts of safe and nutritious food.	Food security in the USA is a growing concern, with many communities facing challenges related to access, affordability, and nutrition.
Sustainable fisheries:	Methods of harvesting fish at a sustainable rate and increasing fishstocks, for example, by controlling net size or introducing fishing quotas.	Sustainable fisheries in Peru are crucial for preserving marine biodiversity while supporting local communities that rely on fishing for their livelihoods.



Triple

Science | <u>Using Resources 2</u> _Big idea: The Earth

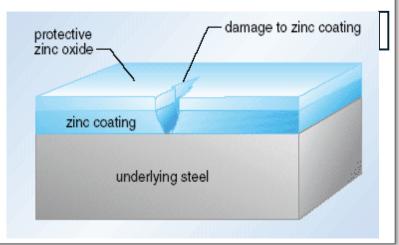


Ways of reducing the use of resources

Reduce, reuse and recycle	This strategy reduces the use of limited resources	This, therefore, reduces energy sources being used, reduces waste (landfill) and reduces environmental impacts.
Limited raw materials	Used for metals, glass, building materials, plastics and clay ceramics	Most of the energy required for these processes comes from limited resources. Obtaining raw materials from the Earth by quarrying and mining causes environmental impacts.
Reusing and recycling	Metals can be recycled by melting and recasting/reforming	Glass bottles can be reused. They are crushed and melted to make different glass products. Products that cannot be reused are recycled.

Corrosion and its prevention

Corrosion	Destruction of materials by chemical reactions	e.g iron rusting
Preventing corrosion	Coatings added to metals-barrier	e.g greasing, painting and electroplating
Sacrificial corrosion	More reactive metal used as a coat for a less reactive metal	The coat will react with air and not the underlying metal

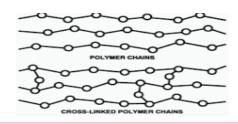


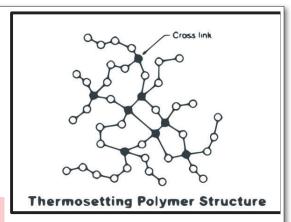
Science Using Resources 2 Big idea: The Earth











Ceramics polymers and composites

Polymers	Thermosetting	Polymers do not melt when heated
	Thermosoftening	Polymers melt when heated

Composite materials



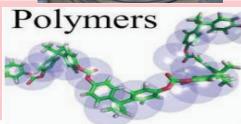
- Soda-lime glass, made by heating sand, sodium carbonate and limestone.
- Borosilicate glass, made from sand and boron trioxide, melts at higher temperatures than soda-lime glass.
- MDF wood (woodchips, shavings, sawdust and resin)
- Concrete (cement, sand and gravel)

Ceramic materials



Made by shaping wet clay and then heating in a furnace, common examples include pottery and bricks.

Polymers



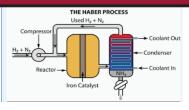
These factors affect the properties of the polymer. Low density (LD) polymers and high density (HD) polymers are produced from ethene. These are formed under different conditions.





Science | Using Resources 2 Big idea: The Earth



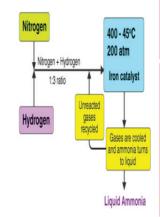


The Haber process-conditions and equilibrium

Pressure	The reactant side of the equation has more molecules of gas. This means that if pressure increases, equilibrium shifts towards the production of ammonia.
Temperature	The forward reaction is exothermic. Decreasing temperature increases ammonia production at equilibrium.

Haber process and use of NPK fertilisers		
The Haber Process	Used to manufacture ammonia	Ammonia is used to produce fertilisers
Raw materials	Nitrogen from the air while hydrogen from natural gas	Both gases purified before passed over iron catalyst. Nitrogen + hydrogen ⇒ ammonia
Catalyst	Iron	Catalyst speeds up both directions of the reaction.

Phosphate rock		
	Treatment	Products
	Nitric acid	The acid is neutralised with ammonia to produce ammonium phosphate, a NPK fertiliser.
	Sulfuric acid	Calcium phosphate and calcium sulphate (a single superphosphate)
	Phosphoric acid	Calcium phosphate (a triple superphosphate)



NPK fertilisers	These contain nitrogen, phosphorous and potassium	Formulations of various salts containing appropriate percentage of the elements.
Fertiliser examples	Potassium chloride. Potassium sulphate and phosphate rock are obtained by mining	Phosphate rock needs to be treated with an acid to produce a soluble salt which is used to manufacture ammonia salts and nitric acid.

Science | Structure and Bonding







State Symbols:

Solid (s) Liquid (l) Gas (g)

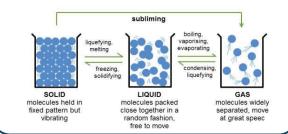
Aqueous (aq) – this is a solution

Nanoparticles (Triple only)

- Nanoscience refers to structures that are 1–100 nm in size, of the order of a few hundred atoms. Coarse particles are often referred to as dust.
- Nanoparticles may have properties different from those for the same materials in bulk because of their high surface area to volume ratio. It may also mean that smaller quantities are needed to be effective than for materials with normal particle sizes.
- Nanoparticles have many applications in medicine, in electronics, in cosmetics and sun creams, as deodorants, and as catalysts. New applications for nanoparticulate materials are an important area of research.

States of Matter

- The three states of matter are solid, liquid and gas. Melting and freezing take place at the melting point, boiling and condensing take place at the boiling point.
- The three states of matter can be represented by a simple model. In this model, particles are represented by small solid spheres.
- Particle theory can help to explain melting, boiling, freezing and condensing.
- The amount of energy needed to change state from solid to liquid and from liquid to gas depends on the strength of the forces between the particles of the substance. The nature of the particles involved depends on the type of bonding and the structure of the substance.
- The stronger the forces between the particles the higher the melting point and boiling point of the substance.



<u>Limitations of the Particle Model (HT only)</u>

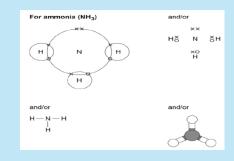
- Limitations of the simple model above include that in the model there are no forces, that all particles are represented as spheres and that the spheres are solid.
- We know atoms are not all spheres and are mostly empty space.

Ionic Bonding - TRANSFERRING Electrons

- When a metal atom reacts with a non-metal atom electrons in the outer shell of the metal atom are transferred.
- Metal atoms lose electrons to become positively charged ions.
- Non-metal atoms gain electrons to become negatively charged ions.
- The ions produced by metals in Groups 1 and 2 and by non-metals in Groups 6 and 7 have the electronic structure of a noble gas (Group 0).
- The electron transfer during the formation of an ionic compound can be represented by a dot and cross diagram.

Covalent Bonding - SHARING Electrons

- When atoms share pairs of electrons, they form covalent bonds.
- These bonds between atoms are strong.
- The covalent bonds in molecules and giant structures can be represented in the following forms:





Science | Structure and **Bonding**

State Symbols:

Solid (s) Liquid (I) Gas (g)

Aqueous (aq) – this is a solution







Solid

Gas

Fullerenes

learner

- Fullerenes are molecules of carbon atoms with hollow shapes. The structure of fullerenes is based on hexagonal rings of carbon atoms but they may also contain rings with five or seven carbon atoms.
- The first fullerene to be discovered was Buckminsterfullerene (C60) which has a spherical shape.
- Carbon nanotubes are cylindrical fullerenes with very high length to diameter ratios. Their properties make them useful for nanotechnology, electronics and materials.



Bucky ball



Carbon nanotube

Ionic Bondina

Metal + Non-Metal Strong electrostatic attraction between ions in all directions.

Formed by the TRANSFER of electrons

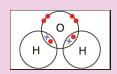
Dot and cross Diagram:



Covalent Bonding

Non-Metals only Strong bonds between atoms Formed by the SHARING of electrons

Dot and cross diagram:



Metallic Bonding

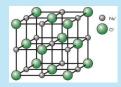
Metals only Strona electrostatic attraction between positive ions in a 'sea' of delocalised electrons

Metallic Bonds

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\odot \odot \odot \odot	•
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Giant Metallic Lattice

STRUCTURE **Giant Ionic Lattice**



Giant lattice of opposite charged ions

Examples: sodium chloride

STRUCTURE **Small Molecule**



Strong bonds hold the molecule together BUT weak intermolecular forces.

Examples: Water, Ammonia

STRUCTURE Large Molecule



Strong bonds hold the molecule together BUT strona intermolecular

Examples: Polymers

STRUCTURE **Giant Structures**



Strong bonds Fullerene hold the aiant structures Together.



STRUCTURE

Strong electrostatic attractions between ions in a sea of delocalised electrons STRONG BONDS.

Alloys

- · Alloys are mixtures of 2 or more elements, one of which his a metal. Examples are brass and steel.
- Metals are alloyed so that the regular structure of metals is changed and the layers of ions can no longer slide over one another: therefore making it much





pure metal



PROPERTIES

Conductivity

Conducts as LIQUID and in SOLUTION (ions are mobile) Does not conduct as SOLID (ions are fixed)

Hiah Meltina Point

Strong electrostatic forces between ions require high energy (heat) to separate.

PROPERTIES Conductivity

Does not conduct because there are no ions or delocalised electrons.

Low Melting Point

Weak intermolecular forces between molecules require little energy (heat) to separate)

PROPERTIES Conductivity

forces.

Does not conduct because there are no ions or delocalised electrons.

High Melting Point

Strong intermolecular forces between molecules require more energy (heat) to separate

PROPERTIES Conductivity

Does not conduct because there are no ions or delocalised electrons. **EXCEPTION:** Graphite and FULLERENES conduct.

High Melting Point Strong covalent bonds in between atoms require more energy (heat) to separate

PROPERTIES Conductivity

Conducts in LIQUID and SOLID because it has DELOCALISED ELECTRONS that can CARRY CHARGE.

Malleable/Ductile

Metals are arranged in LAYERS that can SLIDE.

High Melting Point

Strong metallic bonds require high energy (heat) to separate.

Science | Using resources 2 | Topic Dictionary

Key term	Definition	In a sentence
Alloy	Mixture of metals that are physically combined.	Alloys are stronger than pure metals.
Corrosion	Corrosion is the destruction of materials by chemical substances in their environment.	Water and air are examples of chemicals that causes corrosion in metals.
Composite material	A mixture of materials put together for a specific purpose e.g. strength	Soda lime glass and concrete are examples of composite materials.
Ceramic material	Made from clay.	Pottery and bricks are examples of ceramic material .
Polymer	a large molecule made up of many repeating units called monomers	Low density and high-density polymers are formed under different conditions.

Science | Structure and bonding | Topic Dictionary

Delocalised	Free moving electrons	Delocalised electrons carry the charge in graphite.
Electrostatic forces	The force of attraction between opposite charged particles.	Electrostatic force holds the Na ⁺ and Cl ⁻ ions in sodium chloride.
Giant ionic lattice	An ionic compound held together by electrostatic forces between oppositely charged ions	Sodium chloride is a giant ionic lattice structure.
Intermolecular forces	The weak forces holding molecules together	Intermolecular force of attraction are found between small molecules.
lonic bonding	Electrostatic attraction between negative and positive ions	lonic bonding is a type of chemical bond.
Molecule	Covalent bonds joining atoms together to make a particle	Carbon dioxide and oxygen are examples of molecules.

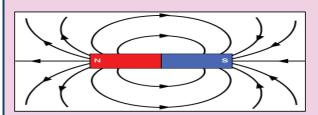


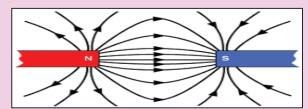
Science | Electromagnetism

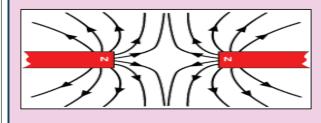
Big idea: Forces

Magnetic field lines

- Go from the north pole to the south pole
- The closer together the lines, the stronger the force

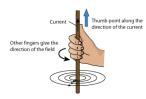




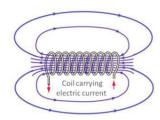


Electromagnets

An electric current produces a magnetic field. You can use the right hand rule to show the direction of the field.



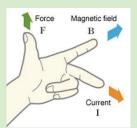
When arranged into coils this makes a 'solenoid'.



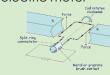
We can make the field stronger by adding a magnetic core, increasing the current, or increasing the number of coils.

The motor effect

A moving current in a magnetic field will generate a force due to the interaction of the two magnetic fields. The direction can be shown using Fleming's left hand rule.



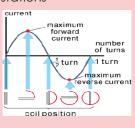
This effect can be used to create an electric motor

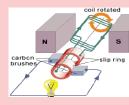


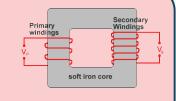
Transformer use an alternating magnetic field produced by the primary coil to generate a current in the secondary coil.

The generator effect

If you move a conductor (which is part of a complete circuit) through a magnetic field you will generate a current. This is how AC electricity is generated in power stations













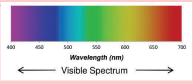
science

Science | P14 Light - TRIPLE ONLY Big idea: Radiation transfers energy

The speed of light in a vacuum is 3.00×10^8 m/s

Colour

White light is a mixture of all the different colours of light. We an see this when we refract white light through a prism. Red light has the longest wavelength of visible light up to violet



Filters and surfaces

Filters are materials which only let certain wavelenaths of light through. A red filter will absorb all of the violet, blue, areen, and vellow wavelenaths of light. If you had a red filter followed by a blue filter, no light will get through. This is because the filter only lets through red light and the blue filter only lets through blue light.

Surfaces are similar to filters in that a yellow surface will absorb all of the other colours and only reflect yellow light. If you were to look at a yellow wall through a violet filter it would look black. This is because the wall is only reflecting yellow light which the filter will absorb.

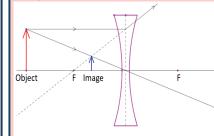
Image in the mirror

The image formed in a mirror is upright, virtual and laterally inverted (back to front). This is because the light appears to come from behind the mirror.

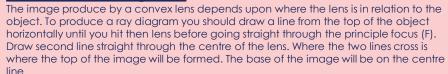
Concave lens

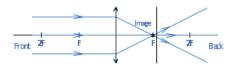
The image formed by a concave lens is always diminished (smaller), the right way up, and virtual.

Concave lenses are often used in eyeglasses to treat nearsightedness.



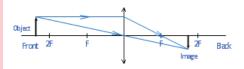
Convex lens diagrams





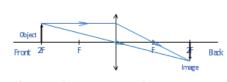
Object at infinity: point image at F

Applications: burning ahole with a magnifying glass



Object outside 2F: real, smaller image between F and 2F

Applications: lens of a carmera, human eyeball lens, and objective lens of a refracting telescope



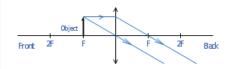
Object at 2F: real image at 2F same size as object

Applications: inverting lens of afield telescope



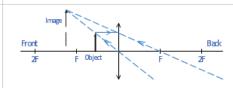
Object between F and 2F: magnified real image outside 2F

Applications: motion-picture or slide projector and objective lensin a compound microscope



Object at F: image at infinity

Applications: lenses used in light houses and searchlights



Object inside F: magnified virtual image on the same side of the lens as

Applications: magnifying with a magnifying glass; eye-piece lens of microscope, binoculars, and telescope



Science | P14 Light - TRIPLE ONLY

Big idea: energy

only		
Key Vocabulary		
Incident ray	Light ray coming in	
Specular reflection	Reflection from a smooth surface. Parallel incident rays will still be parallel after reflecting	
Diffuse reflection	Reflection from a rough surface. Parallel incident rays will be reflected in all different directions, scattering the light.	
Refraction	The change in direction of a wave when it travels across a boundary between two mediums	
Real image	An image which can be seen on screen. Formed by focusing light rays onto a screen	
Virtual image	A virtual image is formed at a place where light rays appear to have come from after being reflected of refracted.	
Concave lens	A lens which is wider at the edge than at the centre	
Convex lens	A lens which is wider at the centre than at the edge	
Magnification	A magnification of greater than 1 means the image is larger than the object. If magnification is less than 1 then the image is smaller than the object	
Opaque	No light is transmitted	

through the object

Law of Reflection

The law of reflection states that the angle of incidence is equal to the angle of reflection

Specular reflection

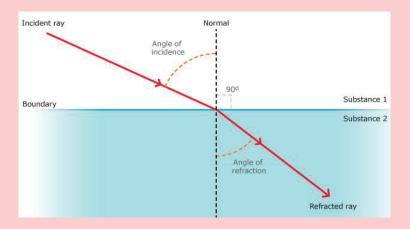
Specular reflection occurs on flat shiny surfaces, such as a mirror. As all of the light rays hit the mirror surface at the same angle, they are all reflected at the same angle.

Diffuse reflection

Diffuse reflection occurs when light hits a rough surface. As the surface is uneven each ray of light hits the surface with a different angle of incidence and so is reflected in a different direction. This is why you don't see a reflection of your face when you look at a wall, the light is scattere

Refraction

Refraction occurs when light passes from one medium to another. If it goes from a less optically dense medium to a more optically dense medium it will turn towards the normal, as in the example below. If it goes from a more optically dense medium to a less optically dense medium it will turn away from the normal line.



Refraction occurs due the wave changing speed as it goes from one medium to the other. In a more optically dense medium the light will travel slower than in a less optically dense medium. In this diagram the light enters at an angle so the bottom of the wave front slows down before the top of the wave front

Different wavelengths of light are refracted different amounts depending on their wavelength. The short the wavelength, the more the light slows down and so the more the light is refracted. As violet has the shortest wavelength of visible light it is refracted the most. Red light has the longest wavelength and is refracted the least. This phenomenon in what lets a prism split white light into a rainbow.



Science | P16 Space – triple only Big idea: Radiation transfer energy

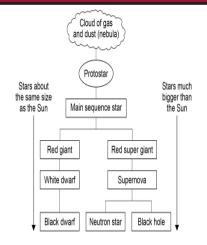


Life cycle of a star mass > 8 solar masses

- A large cloud of dust and gas collapses due to gravity.
- Fusion starts and a massive, hot, quick burning star is born.
- As the star runs out of hydrogen it expands and cools, creating a red super giant.
- The red super giant will eventually collapse before exploding in a supernova. The largest explosions in the universe.
- The supernova will either leave behind a black hole or a super dense neutron star.

Mass< 8 solar masses

- A large cloud of dust and gas collapses due to gravity.
- Fusion starts and a (relatively) smaller, colder star is born.
- As the star runs out of hydrogen it expands and cools, turning into a red giant.
- Rather than going into a supernova the red giant 'puffs' off the outer layer of gas, called a planetary nebula.
- The core of the star remains as a white dwarf, this is small and cool but last an exceptionally long time (~14 billion years!)



As the star is 'burning' the inward force due to gravity is balanced by the pressure of the superheat ed gasses.

Dark matter

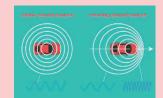
We have evidence that some galaxies have a lot more mass than we can observed or explain. This mass has been given the term dark matter as it only appears to interact through gravity, meaning it gives of no radiation, visible or otherwise! Scientist do not yet fully understand dark matter.

Dark energy

Observations show that the universe is expanding at an accelerated rate despite gravity trying to pull all matter together. This means there must be some energy or repulsive force to overcome gravity. This has been termed Dark energy as we cannot observe it or directly detect it

Doppler effect

An increase (or decrease) in the frequency of sound, light, or other waves as the source and observer move towards (or away from) each other. An example of this is when a formula 1 car goes past the observer, the sound of the engine changes.



Red Shift

As stars and galaxies give off light we can measure how the wavelength of light they give off has changed depending on if they are moving towards us or away from us. If a galaxy is moving away from us then the wavelength of the light will be increased towards the red end of the spectrum (red shift), if it is moving towards us then the wavelength will decrease towards the blue end of the spectrum (blue shift). Most things we can observe in the universe are red shifted meaning that they are moving away from us, this is strong evidence for the big bang theory. We also observe that typically the further away an object is the quicker it is moving away provides evidence that the universe is expanding, which in turn is evidence for the big bang theory.

Science | Electromagnetism | Topic Dictionary

Key term	Definition	In a sentence
Electromagnet:	A solenoid with an iron core.	An electromagne t is a magnet that consists of a piece of iron or steel surrounded by a coil.
Magnetic Field Lines:.	Lines representing the strength and direction of a magnetic field. The field line direction at any point is in the direction that a force would act on another north pole if placed at that point	Magnets create magnetic field lines that cannot be seen
Magnetic Compass:	A device containing a small bar magnet that points in the direction of the Earth's magnetic field.	The magnetic compass — used in navigation for hundreds of years — is a tool that helps you find your way.
Magnetic Field:.	The region around a magnet in which another magnet or magnetic material will experience a force	When the solar wind slams into the Earth, the magnetic field wrapped around the planet usually shields us
Magnetic Poles:	The regions of a magnet where the magnetic forces are at their strongest.	Each row had magnet pole faces pointing in the same direction, and the rows alternated in magnetic pole orientation.
Solenoid:	A wire wrapped into the shape of a coil, that has a strong and uniform magnetic field inside of it. The solenoid's magnetic field strength can be increased by adding an iron core.	An electric solenoid was used to provide rapid thrust at the foot.
North seeking pole	A compass needle is a bar magnet and points north.	The end of the compass which points towards the north is called the north-seeking pole or simply the north pole
South seeking pole	Like pole (N-N) repel, unlike pole (N-S) attract.	The end of the compass which points towards the south is called the south-seeking pole or simply the south pole.
Transformers	Step up transformers increase voltage and decrease current to increase efficiency by reducing the amount of heat lost • Step down transformers decrease voltage and increase current to make it safer for domestic use	By using transformers , the voltage of the power can be stepped up to a high voltage
Generator Effect:	When there is relative motion between an electrical conductor and a magnetic field, a potential difference will be induced across the ends of the conductor. A current will flow if this conductor is part of a complete circuit	If the conductor is part of an electric circuit, an induced current will flow and is often referred to as the generator effect .
Electric Motor:	A current-carrying coil of wire in a magnetic field. The two sides of the coil that are perpendicular to the magnetic field experience forces in opposite directions, causing rotation	Electric motors eased the burden of humans by transforming electricity into motion.
Alternator:	A device that makes use of the generator effect to generate alternating current.	An alternator is the part of a car's engine that powers everything that uses electricity.

Science | Space Physics Topic Dictionary

Key term		Definition	In a sentence
	Artificial Satellites	: Man-made satellites that have been sent into space for purposes such as satellite imaging and communications.	Sputnik was the first artificial satellite launched into the space.
	*Big Bang Theory:	The currently accepted model for the origin of the universe. It suggests that the universe has expanded from an initially very small, hot and dense point.	Certain problems that arise due to the standard big bang theory are addressed, and new answers are given using inflationary cosmology.
Separate Physics only	*Dark Energy:	A hypothesised form of energy, believed to be responsible for the universe's ever-increasing rate of expansion.	In the present day, dark energy makes up 68% of the matter and energy of the universe.
	*Dark Mass:	A hypothesised type of mass that cannot be observed by current methods. It is used to explain why some galaxies rotate faster than they should for their observed mass.	In astronomy, dark mass is a hypothetical form of matter that does not interact with light or other electromagnetic radiation
	Main Sequence Star:	The stable state of all stars. The gravitational forces pulling the star together, and the pressure pushing outwards, are balanced.	A sufficiently dense, and hot, core region will trigger nuclear fusion, thus creating a main-sequence star .
	*Star Life Cycle.	: The stages that a star passes through in its lifetime, dependent on the size of the star relative to the sun	The lifecycle of a star starts when it is a nebula up till a black dwarf.
	*Supernova:	The explosion of a massive star, that distributes the elements created by the fusion reactions in the star, throughout the universe.	When the supernova explodes, all the elements produced are thrown out into the Universe.
	White Dwarf:	When the fusion reactions in stars of a similar magnitude to the sun come to an end, the star will contract under gravity and cool down to form a white dwarf.	Three years ago, astronomers put a white dwarf on a scale and watched the needle move.
	*Red-Shift:.	The observed increase in the wavelength of the light emitted by distant galaxies. The more distant the galaxy, the faster it is moving and so the bigger the observed increase in wavelength	Distant galaxies are red-shifted , showing that they are moving away from us
*Red Giant Star		When their hydrogen is used up and larger nuclei are produced by fusion, stars of a similar magnitude to the Sun will expand to form a red giant.	A red giant forms after a star has run out of hydrogen fuel for nuclear fusion and has begun the process of dying.

Skills guide - graphs

Constructing graphs

Most data you meet in science is **continuous** and will require a line graph to represent.

The first step is to use a pencil And ruler to draw your **axes**.

The second step is to add a **scale** to your axes. You should go up in either 1s, 2s, or 5s (or 0.1s, 0.2s, 0.5s, or 10s, 20s, 50s Etc). What you choose will depend on the size of your **axis** and the data you have to fit onto the **axis**.

(Origin)

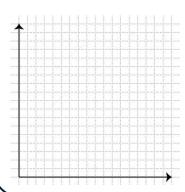
Y-Axis

my independent data goes onto my x-axis and my dependant data goes on my y-axis.

I have 18 divisions/squares on my **x-axis**. I need to plot up to 4 minutes. if I divide 4 by 18 then each square should be worth 0.222.

We should round this down to 0.2 minutes per square.

following the same process for my **Y-axis**, 55/18 is 3.05. We should reduce this to 2 degrees per square.

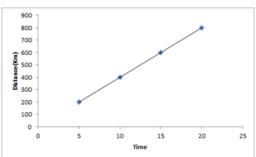


Time (minutes)	Temperature (°C)
0	0
1	21
2	32
3	43
4	55

Interpreting graphs

<u>Directly proportional:</u> if one value doubles, the other value will double, the two values have a constant **ratio**.

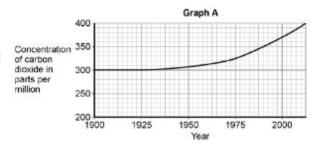




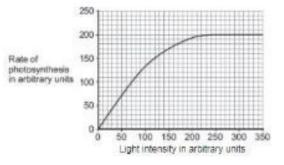
Describe the relationship between distance and time: distance is **directly proportional** to time.

<u>Describing a trend:</u> say what you see, in detail. Use any key data from the graph. Examples below.

The concentration of carbon dioxide remained constant at 300 ppm until 1930 when it began to increase at a faster and faster rate.



The rate of photosynthesis increased as light intensity increased the maximum rate of photosynthesis was 200 units which was reached at 230 units of light intensity. The rate of increase of the rate of photosynthesis was maximum at the beginning and decreased as it approached the maximum.



Skills guide - calculations

Single step calculation – GUESS

G: given – identify the information you are given in the question

U: unknown – what is the unknown that you have been asked to calculate?

E: Equation – given the information given and that you have been asked to find, recall an equation which links them all.

S: substitute – substitute your information into the equation

S: solve – rearrange your equation if necessary and then use your calculator to solve

Example layout

$$V = IR$$

$$4 = I \times 12$$

$$I = \frac{4}{12}$$

$$I = 0.33A$$

Multistep calculations

In following the GUESS method, you may find that you do not have enough values to solve the equation. Typically, this means you need to do an additional calculation.

Example:

The power of the kettle was 2.6 kW

The kettle took 120 seconds to heat 0.80 kg of water from 18 °C to 100 °C

Calculate the specific heat capacity of water using this information.

P=
$$2.6kW = 2600W$$

t= $120 s$
m= $0.8 kg$
 $\triangle \ominus = 100-18 = 82^{\circ}C$
c=?

$$E = m_{c} \Delta \theta$$
$$E = 0.8 \times c \times 82$$

As we can see, to calculate the specific heat capacity, we first need to know the energy supplied (E). We can follow the same process to calculate E and then use this to complete the above equation.

P=
$$\frac{2.6 \text{kW}}{120 \text{ s}} = \frac{2600 \text{W}}{120 \text{ s}}$$

m= 0.8 kg
 $\Delta \Theta = \frac{100-18}{100-18} = 82^{\circ} \text{C}$
c=?

$$P = \frac{E}{t}$$

$$\frac{2600}{120} = \frac{E}{120}$$

$$E = \frac{2600 \times 120}{}$$

$$E = 312000J$$

$$E = m_{\mathcal{C}} \Delta \theta$$

$$312000 = 0.8 \times c \times 82$$

$$c = \frac{312000}{0.8 \times 82}$$

$$c = 4760 \, {}^{J}/kg \, {}^{\circ}C$$

Skills guide – writing a practical method exam question

<u>Plan</u>

We have been asked to write a method to find the **density** of an irregular object.

- 1. We should recall the equation for **density** and write it out.
- 2. What do we need to find to calculate **density**?
- 3. What equipment will we need to find those values?
- 4. How will we use that equipment?
- 5. We can use bullet points for full marks if you find it easier than paragraphs.

 Mass is found usin

Mass is found using a mass balance

 $density = \frac{mass}{volume}$

Volume is found using a **measuring cylinder**.

A student wanted to determine the density of the irregular shaped object shown in Figure 1

Figure 1



(a) Plan an experiment that would allow the student to determine the density of the object.

Model answer

Mass

Measure the mass of the object using a mass balance.

<u>Volume</u>

- Part fill a measuring cylinder with water and record the initial volume.
- Gently lower the object into the water.
- · Record the new volume of the water.
- The volume of the object is the final volume initial volume.

Density

 Use the equation density = mass/volume to calculate the density of the object.

GCSE Art | Natural Forms and Botanical Art | Topic Dictionary

Image	Word	Definition	In a sentence
BOTAL TO STATE OF THE STATE OF	botanical art	A representation of a plant or fungi or lichen, which is scientifically and botanically correct but not necessarily 'complete' as a scientific recording.	Botanical artists at Kew Gardens work faithfully with the scientists to draw a true likeness of plants and flowers, connecting science and art.
	complementary colours	Colours that sit across from each other on the colour wheel. These are often referred to as opposite colours and even contrasting colours . The three different names all mean the same thing. When complementary colours are placed next to each other, a very strong contrast is created. The colours appear more vivid and brighter.	The complementary colours used in Van Gogh's botanical art are vivid and contrasting. He uses colour schemes of blues and oranges.
	composition	Composition is the sum of how you place all the parts within an image: the use of the edges of the frame, use of shapes within the frame, the prominence of any foreground or background details, the position of the subject within the frame, even the shape of the frame itself.	Fitch draws our eye to the central feature of a large oversized flower, framed by cropped elements of pond life, in a composition that is balanced with symmetry.
	form	In relation to art the term form has two meanings: it can refer to the overall form taken by the work – its physical nature; or within a work of art it can refer to the element of shape among the various elements that make up a work.	In my botanical tonal drawing, I have shown a range of tone from dark to light tones to create a 3D form in a 2D drawing.
	mood	The atmosphere in a painting, or the feeling expressed. Is the art tranquil, or is it dark and disturbing? Tone refers to the lightness or darkness of colours used, which can help to create a sense of depth or distance in art. Artists use light and dark colours to convey a mood or an emotion.	The tranquil setting that Fitch's white flower occupies creates a peaceful, calming mood .
	scale	the overall physical size of an artwork or objects in the artwork. We always relate scale to the size of the human body - how big or small the piece is in relation to us. An artist may decide to use a scale which is different from life-sized and this will have an impact on how it feels.	The size and scale of the central white flower draws your eye into the botanical illustration.
	tint	Where an artist adds a colour to white to create a lighter version of the colour. An example of a tint is pink. Pink is a tint created by adding white to red.	In Fitches botanical illustration he uses pink tints in the background flowers that have sculptural forms.
	white	A colour associated with purity, innocence, and simplicity in art. It can evoke feelings of cleanliness, brightness, and calmness, and is used to create space and balance or to enhance other colours' brightness.	Fitch's white flower reflects tone and colour back into it.

AO1: RESEARCH (ARITSTS & IMAGE)

WHAT?

- Research
- Inspiration & ideas
- Mood boards
- Mind map
- Artist analysis
- Personal response
- Annotation



WHY?

through
investigations,
demonstrating
critical
understanding
of sources.



HOW?

- Create a mood board
- Find **relevant** images of artist's work.
- Comment on what you see.
- Respond to the work by creating a copy & personal response.
- Show how this has developed your ideas.
- You must write critically about the research and ideas you are developing.

AO2: EXPERIMENTS WITH MEDIA (Refine)

WHAT?

Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes.



HOW?

- Use a range of media
- Thoughtful & meaningful
- Select appropriate resources, materials, techniques.
- Evaluating the process
- Discussing your work
- Show skill







WHY?

To demonstrate and show your <u>ideas</u>, <u>materials and technical skills</u>





AO3: RECORDING OBSERVATIONS (Evidence)

WHAT?

Record ideas, observations and insights relevant to intentions as work progresses.

HOW?

- Record & Organise information (Layout)
- Primary Observation (firsthand) i.e drawing or photography
- Presenting
- Documenting

WHY?

To <u>evidence ideas</u> drawn and explained through written reflective annotation.







AO4: FINAL OUTCOME

WHAT? Present a <u>personal</u> and <u>meaningful</u>
response that <u>realises intentions</u> and
demonstrates <u>understanding of visual language</u>.









WHY? Create a personal response that is **refined for showcasing**.

HOW?

Realise intentions.

High marks go to final pieces that make the most of all that has been learnt in the preparatory work.

This can also be

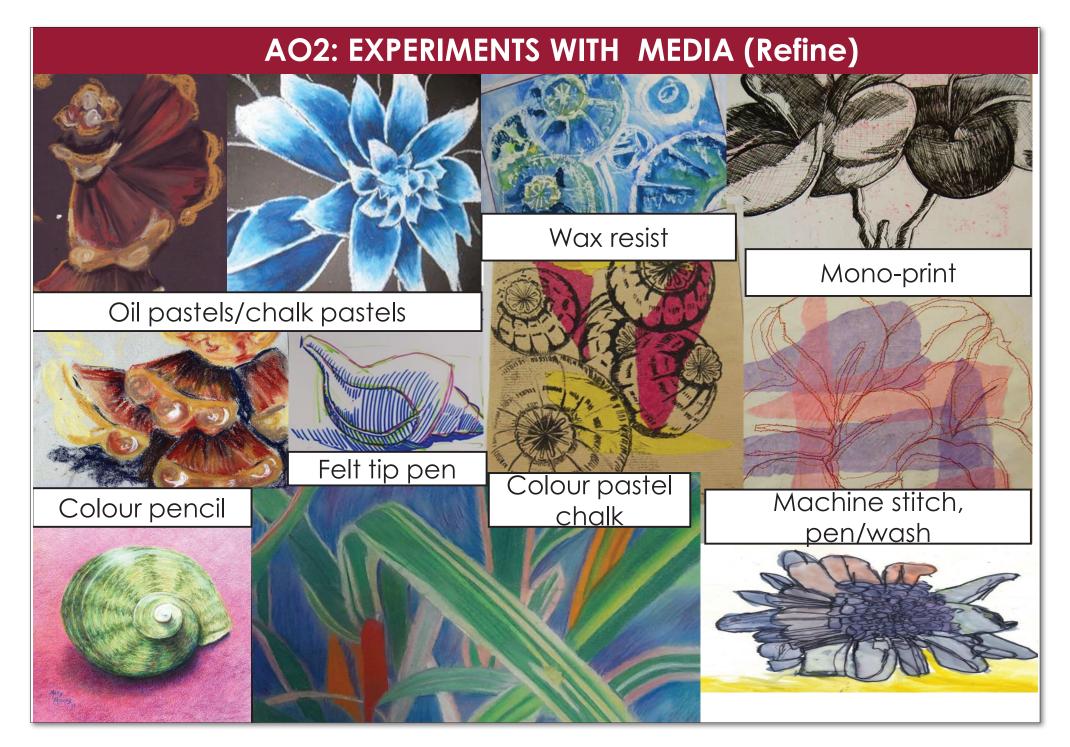
This can also be explained in the Evaluation.

<u>Make Connections</u> (<u>Links with Artists</u>)

You must make a clear connection between your work and the work of artist/s studied



AO3: RECORDING OBSERVATIONS (Evidence) AO2: EXPERIMENTS WITH MEDIA (Refine) ine drawings in fine liner and felt tip - from observation **Delicate line** Shape and form with controlled tonal range in charcoal Shape/form, proportion and LINE tonal range in lead pencil TONE **TEXTURE SHAPE** Accurate recording of mark-making. **FORM** Direct observational studies in different media from primary and secondary sources



Annotating your Sketchbook

What?	 WHAT IS IT? Explain the piece of work you are annotating Examples: This is a first hand drawing that I made of This is a series of photographs I took of 				
Why?	 WHY DID YOU MAKE IT? Explain how this piece helps you in your project. Examples: To get ideas about,,,, to show what I have learned about To explore the ideas of To analyse the style of To try out the technique of To develop my skills 				
How?	HOW DID YOU MAKE IT? Explain how you created the piece of work Examples: I drew it using I painted it with I constructed it form				
Quantity?	 HOW GOOD IS IT? What are you pleased with? What could you improfexamples: I am pleased with the way I One good element of this work is The best feature of this work is I wish that I had One area that I could improve is 	ove?			
Learning?	WHAT DID YOU LEARN? What have you found out? What are your next Examples: I improved my skills in I got better at working in the style of I feel more confident about	Next Steps			

Analysis of Artwork writing frame

- Who is the artist? This artwork is by the artist...
 What style/genre does the artist work in and what movement?
- What is the title of the work? This is titled '------'
 Does the title give you any clues as to what the piece is about?
- What media was used? This is an oil painting/acrylic painting/watercolour/print/photograph/pencil drawing/ Sculpture
- How has the artist used the media?
- How has the artist used tone / colour in the artwork/ shape/form?
- What mood or effect do the tones /colour/ structure of the shape/form create?
- Describe the colours that have been used.
 (warm/cool/complementary? Contrasting/ bold/flat/solid/opaque/bright/lurid/soft/ transparent/?
- Does it have a realistic or unrealistic look /quality? Why?
- Describe the composition and viewpoints of the work.
 What is in the foreground and background? How is the piece made up its arrangement, what is the focus?
- What was your first reaction / thoughts about the work? I chose this artists work because when I first saw it I really liked the use of....
- Is there a message behind the artwork? What do you think it is?
- How could you use this art to develop your own ideas.
 I intend to create a...collage/painting/drawing/print of... in the same style by.....
- The materials? Methods? Ideas? Colours?

Key words

foreground background perspective viewpoint atmosphere bright shadow close-up form line texture soft reflections symmetrical tone pattern shape sculpture assembled vivid unusual absurd mundane quirky fun mark-making

Skills Guide: Personal Annotation

Think about:

line, tone, form, texture, shape, colour, pattern, composition, subject matter and your theme

Key Questions	Sentence Starters		
What: have I done? Introduce your work What: materials/medium have I used? Paint, pencil, oil pastels, collage, mixed media Is it your own work or a copy of someone else's?	In this piece I have This is a first-hand observation ofusing I drew a and recorded the light, medium and dark tones using a pencil. I have used the following materials This piece contains the following characteristics The artist: has influenced my design in their use of I was inspired by When creating this piece of work. Here I have shown In the style of		
 Why: have I done it? What have I learned? Have you learned about a new artist? What new skills/ techniques have you used? Are you trying to improve using a material? How does you work connect to your theme? 	I have shown varied tone in the style of The Artist has influenced the piece because I have worked in the style of I explored different tonal values ofby producing tones of dark to light.		
How: have I done it? Try to describe how you have done your work step by step. Include all KEY points How have you made it? What materials/ medium have you used? What steps did you create to do this? What techniques have you used?	I drew it using From first-hand observation of a		
Quality: How good is it? • What are you pleased with? • What could you improve?	I am pleased with the way I One good element of this work is The best feature of this work is I wish that I hadone area that I could improve is This piece could have been improved by including To improve this piece, I could have I could have made greater use of In this piece I have used too much/ not enough		
Learning: What did you learn?What have you found out?What are your next steps?	I improved my skills in I got better at working in the style of I feel more confident about		

What are the Principles and Values that Underpin British Society?

Topic 1

Module: Life in Modern Britain



What does it mean to be British?

Key learning points

- The five Fundamental British Values (FBVs) are democracy, individual liberty, tolerance, mutual respect and the rule of law. The idea is that to be British, you don't need to be from somewhere or a certain race or religion you need to live by the British values.
- There are also **other values** that support democracy, such as **respect**, **kindness** and **freedom of speech**.
- Most people, when asked, say to be **British** a person should **speak English**, **have British citizenship** and **respect British laws and organisations** like the **NHS** and the **Army**.
- However, truly defining what it means to be **British** is **extremely difficult** because **people disagree over it**.
 - Legally, it means being a citizen.
- But practically, non-citizens living here have lots of rights like the right to work, the right to healthcare, the right to education and the right to become a citizen.

value



What rights and responsibilities do British people have?

Key learning points

- The key rights that come with being British are things like freedom of speech, the right to life (to have food, water and shelter), the right to education, the right to healthcare, the right to vote and the right to marry.
- But there are also responsibilities that come with being a citizen of any country. In Britain, the four main responsibilities are paying taxes, doing jury service, following the law and voting in elections.
- The government also believes that citizens have a responsibility to know about the country's history and culture. That's why becoming a citizen involves passing a test about it.
- This often means that people who weren't born citizens know more about British history and culture than people who were!

responsibility



What are the principles and values that underpin British society?

Key learning points

- The **government**'s idea of the **ideal British person** is actually about a **lot more** than just **following values** and **following responsibilities**.
- The ideal British person considers being British as a key part of their identity, the things that make them who they are.
- As a result of this, they respect others, take part in democracy (beyond just voting), respect tradition, have a job, have a good education and support the country in things like wars, international politics and sporting events.
- The main point is that being British is about what you are (kind, respectful, driven by values) rather than who you are. Your ethnicity, race, gender, sexuality, religion and other characteristics don't matter. Many people would argue that whether you're a citizen doesn't really matter either!

 Britishness is a state of mind and a way of life, not something you can point to and define.

identity



What do we Mean by Identity?

Topic 2

Module: Life in Modern Britain



What's the United Kingdom?

Key learning points

- The United Kingdom (UK) is, confusingly, a country made up of four countries -England, Wales, Scotland and Northern Ireland (not to be confused with Ireland, which is its own country).
- A country is a part of the world with defined borders around it. Each country in the UK has its own animal, flower and patron saint.
- The **flag** of the **UK**, the **Union Jack**, is a **combination** of **English**, **Scottish** and **Irish** flags. **Wales** is not represented on it.
- The crest of the UK shows the animals of England and Scotland. Wales and Northern Ireland aren't there. Wales doesn't have a flower on the crest either, while the other three do, so it's not represented at all.

country



How is the UK's population changing?

Key learning points

- The UK's population is changing in several key ways: it's getting more diverse, less religious, and older.
- The process of a **whole population** getting **older** is called **aging**.
- This is happening for three main reasons: better healthcare to treat diseases among the elderly, no major wars in a long time that have killed off younger men, and people having children later in life as the cost of living increases.
- Having an aging population is a major issue for a country for two main reasons: they cost a lot in pensions and healthcare, and they don't bring in money from taxes because they don't have jobs.

naina



What Impact has Immigration had on the UK?

Key learning points

- Immigration refers to the process of people moving into a country. Emigration refers to the process of people moving out of a country. Someone who moves between countries is a migrant. They have emigrated from the country they leave and immigrated into the country they join.
- The main reasons for **immigration** to the **UK** is that the person **has a job lined up here** or they are **joining someone they know here**.
- Legal immigration to the UK is historically high. So is illegal immigration, when people come here without permission.
- However, all kinds of **immigration** are **key to the UK's economy** because **many industries rely on immigrants.** It also impacts
 our **culture**, **reliaion**, **food** and **values**.

immigration



What do we mean by identity?

Key learning points

- Diversity refers to a thing containing many different elements or parts. The UK population has a lot of diversity.
- This is good because it promotes equal rights, brings in talented people, encourages community and makes social change over time.
- In a diverse society, people are in groups that overlap with each other. For example, you can be British, Jamaican, Christian and a Spurs Supporter.
- This is different to a multicultural society, where different cultures are blended into one overall culture that people have to fit into. This can involve giving up some of who they were before arriving here.

diversity



Page 2

What is the Role of the Media and Free Press?

What are the rights and responsibilities of the media?

Key learning points

- The media refers to ways of communicating with lots of people at once. It's normally divided into old/traditional media like radio and newspapers, and new/modern media like streaming services and social media.
- Key rights of the media include asking questions, investigating, commenting on current affairs and seeking the truth. A key case study for this is the investigation by ITV into Boris Johnson's party during lockdown.
- Key responsibilities of the media include telling the truth, being open and honest, being bold, not invading people's privacy, and being free, or at least cheap. A key case study for this is the phone hacking by the News of the World into Millie Dowler

media



What is freedom of the press?

Key learning points

- Freedom of the press is the idea that the media should be able to share ideas and information without having to worry about negative consequences.
- It is one of the most important parts of a democracy. This is why we do not find it in many dictatorships.
- However, there are **legitimate reasons** a **government** might want to use **censorship**, where they **control what the media can say**.
- This might be **military censorship**, to keep the **details** of **weapons** and **technology secret** from a **country's enemies**.
- But in general, censorship is a bad thing because governments will overuse it to keep secrets from the people.

censorship



Topic 3

Module: Life in Modern Britain



What is public interest?

Key learning points

- Public interest refers to things the public should know. This is different from things the public wants to know. There may be many things, like gossip and private details, that the public want to know but shouldn't.
- The media should only publish things that are in the public interest. This might sometimes include private details if they have been hidden or kept secret from voters who make decisions in elections.
- However, it can be difficult to decide what public interest covers and what it doesn't. For example, during the pandemic, the government had to make difficult decisions about how much to tell the media. They wanted the public to be informed about the virus, but didn't want to spread fear.

public interest



What is the role of the media and free press?

Key learning points

- In the modern day, there are risks from things like fake news and disinformation, which is lies spread deliberately through the media to hide the truth and change minds.
- This means a good, honest and responsible media is more important than ever before.
- The role of the media and free press is to publish information in the public interest without invading our privacy.
- To make sure they do it right, there is IPSO: the Independent Press Standards
 Organisation. They can fine the media and even force apologies and retractions of stories

IPSC



Page 3

What is the UK's role in key Global Organisations?

Topic 4

Module: Life in Modern Britain



What is the United Nations?

Key learning points

- The **United Nations** was founded in **1948**, after **World War Two**, to stop such a **serious conflict** from happening again.
- The main part is the UNGA, the UN General Assembly of 193 member countries. They write and vote on resolutions that are sent up to the UNSC, the UN Security Council of five permanent members and ten rotating temporary members.
- The UK is a permanent member of the UNSC. Each permanent member has the power to veto resolutions.

veto



What is NATO?

Key learning points

- NATO is the North Atlantic Treaty Organisation, an alliance of 32 members.
- To join, a country must sign the NATO Treaty and get permission from the other member countries.
- The most important part of the NATO Treaty is Article 5, which says an attack on one country is an attack on all countries.
- This means NATO is a mutual defence alliance where all members will defend each other from outside threats.

mutual



What is the Commonwealth?

Key learning points

- The Commonwealth is a voluntary association of countries, most of which were once in the British Empire.
- An empire is a group of countries that are all controlled by a single country, often through invasion and military force.
- The members of the Commonwealth are united by their shared history, culture and values.
- They support each other if there are natural disasters, and they often trade with each other too.

empire



What are the EU and the WTO?

Key learning points

- The EU, or European Union, is a supranational organisation of countries in Europe. The UK voted to leave in 2016 and left in 2020.
- A supranational organisation is one whose members agree to do what they are told. If they disagree with its instructions, they can always leave. They are still sovereign.
- By contrast, the WTO, or World Trade Organisation, is an organisation whose members all write and agree on rules for global trade, to keep trade fair and prices stable.

supranational



How does the UK resolve international conflict?

Key learning points

- To **resolve** something means to **solve** it, or **come to an agreement** about it.
- The **UK** has **many ways** of doing this.
- The main ones are the use of force by sending in armed forces, mediation by negotiating with the other countries, sanctions by damaging countries' economies to punish them, calling for help by asking our international allies to come to our side, and to use aid to win allies who will help us in the future.

What is the UK's role in key

global organisations?

Key learning points

- In the modern world, one of the main ways the UK can affect global politics is by using foreign aid.
- This is often food, water or medicine that supports countries and wins allies for future conflicts.
- But it can also be military aid, like in the Russia-Ukraine War, where the UK and other countries are sending weapons of war to Ukraine to help them defend themselves.

resolve



foreign aid



How can Citizens make themselves Heard?

Topic 5

Module: Life in Modern Britain



How do we participate in democracy?

Key learning points

- In a free country like the UK, there are many ways to participate in democracy beyond just voting.

 Many of them can be done by young people as well!
- The main ways are by
 campaigning, lobbying, being on
 a jury, being a Special Constable,
 or becoming a politician. Even just
 reading the news is a way to
 participate!
- Participation in democracy is important because it leads to a mandate, where the results of a vote give clear evidence about what should happen or who should run the country.

mandate



How do we hold politicians to account?

Key learning points

- Accountability is the idea that a person or group can suffer negative consequences for their actions. It is extremely important for democracy.
- The main ways we hold politicians to account are through elections, where we can vote them out, the law, where they can go to prison, and through the media, which can investigate politicians and uncover bad behaviour.
- One good example of this is the 2010 and 2015 General Elections. In 2010, the Liberal Democrats won 57 seats on a promise not to raise university fees. They broke this promise, and in 2015 won only 8 seats.

accountability



What are interest groups?

Key learning points

- Interest groups are groups involved in politics that have an interest in supporting a cause or promoting an idea.
- Famous examples include
 Extinction Rebellion, Just Stop Oil,
 Fathers 4 Justice and the
 Confederation of British Industry.
- They will often lobby politicians to make changes that they believe in. They also often oppose each other and argue on different sides of the same issues.
- Most interest groups allow people to join, sometimes for a fee. They do not try to win elections, but they try to influence politics.

interest groups



How do people use the media to make change?

Key learning points

- Individuals often use the media to make change, especially in the age of social media where it's easier to get attention.
- This can be by campaigning, or by signing petitions or giving interviews to newspapers.
- Many people engage with politics online and share their opinions to try and persuade others. However, this can produce an echo chamber, where the only views people here are ones they already agree with. This can reinforce damaging ideas and lower the quality of political debate.

echo chamber



How can citizens make themselves heard?

Key learning points

- Because the UK is a democracy, the ability of citizens to make themselves heard is extremely important.
- One of the more visible ways to get attention is through protest. For example, in 2003 there was the biggest protest in British history, when one million people protested against the Iraq War.
- Sometimes, protest doesn't work and people turn to civil disobedience, where they deliberately break the law in a way that doesn't hurt anyone but causes disruption and gets attention. Groups like Just Stop Oil use this method.

civil disobedience



<u>lmage</u>	<u>Word</u>	<u>Definition</u>	<u>In α sentence</u>
**	value	Something that is thought to be important by members of a community or country.	Honesty is a value that people don't appreciate enough in society these days.
Ö-	responsibility	Something that you have to do.	You can get ahead in your career by taking responsibility for more things and showing you're good at them.
	identity	What makes you who you are.	Your identity will grow and change as you get older and learn more about yourself.
Ců.	country	A part of the world with defined borders around it.	The government is the group of people responsible for running a country .
ħ	aging	Getting older.	For a government, having an aging population can be a real problem.
	immigration	The process of people moving into a country.	There has been a lot of immigration to the UK throughout our history, which is why the country is so diverse.

<u>lmage</u>	<u>Word</u>	<u>Definition</u>	<u>In a sentence</u>
### ##### ############################	diversity	Something that contains many different elements or parts.	The Equality Act 2010 was designed to recognise and protect diversity in this country.
e, e	media	Ways of communicating with many people at once.	Don't believe everything you read in the media , make sure you check your facts.
\$	censorship	When a government controls what the media can say.	Although it's often a bad thing, censorship isn't always necessarily bad - sometimes it protects our privacy.
	public interest	Things the public should know.	Most people agree that knowing what politicians are up to is in the public interest .
 5	IPSO	Independent Press Standards Organisation.	IPSO is responsible for regulating newspapers and magazines in the UK.
	veto	The ability to stop something from happening.	The Prime Minister has the power to veto any decisions made by Cabinet Ministers.

<u>lmage</u>	<u>Word</u>	<u>Definition</u>	<u>In a sentence</u>	
151	mutual	An agreement that is beneficial for all the people involved.	The feeling of friendship between the USA and the UK is mutual , and has been for many years.	
	empire	A group of countries all controlled by a single country.	Most countries in Europe had an empire at some point.	
	supranational	An organisation of countries that can tell its members what to do if they join.	When a country joins a supranational organisation, it agrees to follow some rules or suffer negative consequences.	
	resolve	To solve something, or end a disagreement.	The role of many different international organisations is to resolve conflict around the globe.	
*	foreign aid	Resources, for example food, water, medicine and money, that the UK sends to other countries.	UK citizens argue over exactly how much foreign aid should be given.	
6	mandate	When the results of a vote give clear evidence about what should happen or who should run the country.	The Conservative Party won a clear mandate in the 2019 General Election.	

<u>Image</u>	Word	<u>Definition</u>	In a sentence
(accountability	When a person or group can suffer negative consequences for their actions.	It's very difficult to have a democracy without accountability for our leaders/
\$ P. P.	interest groups	A political organisation of people who care about an issue.	For young people, interest groups are a way to participate even though you can't vote yet.
	echo chamber	When you only talk or interact with people who agree with you.	The risk of being in an echo chamber is that your views on things aren't challenged.
*			Many famous activists throughout history used civil disobedience to make their point.

Skills Guide: Citizenship Exams

1 MARK QUESTIONS

All about definitions and knowledge. Sometimes openended with lines for single sentence answers. Sometimes multiple choice with one correct answer.

Command Words: Name, Define, Identify

Name requires you to simply provide an answer without any further explanation. E.g. Name one feature of a democracy.

Define requires a definition written in full, without an example needed. E.g. *Define what is meant by the rule of law*.

Identify requires you to give one answer from a possible list. E.g. *Identify* one purpose of justice.

2 MARK QUESTIONS

All about examples and explanation. Sometimes openended with lines for two sentence answers. Sometimes multiple choice with two correct answers.

Command Words: Name, Identify, Explain

Name requires you to simply provide two answers without any further explanation. E.g. Name two groups in the UK responsible for enforcing the law.

Identify requires you to give two answers from a possible list. E.g. Identify two positive consequences of immigration on UK society.

Explain requires you to define the term and provide an example. E.g. Explain the term "plurality."

4 MARK QUESTIONS

All about **comparison** and **contrast**. Often based on a **source** that must be **referenced**. Always require **two points**, each worth **two marks**. Answer **in detail**.

Command Words: Describe, Discuss

Describe requires you to name and explain two different things/features. E.g. Describe two ways civil law differs from criminal law in the UK. Each one needs to be named and then further developed, ideally with an example or a case study.

Discuss requires you to make two points and explain them, ideally with examples. E.g. Discuss how victims of conflict could be protected. You need to make two points, and for each one explain what it means and give an example.

REMEMBER, 4-mark questions are based on **sources**, but how you use the source depends on the **instructions**. Sometimes you **have** to reference the **source**, and sometimes you're not allowed to use it. There are two ways it can go, so read the question carefully:

With reference to Source G...

- Here you need to refer to information from the source, and make it clear you're doing it.

Discuss two ways, not mentioned in Source B...

- Here you won't get marks for mentioning the ways that Source B mentions.

8 MARK QUESTIONS

All about evaluation. Often contain suggestions for what to write about, but you don't have to use them. Always write at least two paragraphs and include a conclusion.

Command Words: Examine, To what extent

Examine requires you to weigh up the statement. Using evidence from your knowledge of Citizenship, write out arguments on either side of it. E.g. The only purpose of sentencing criminals in the UK should be to send them to prison. Examine this statement. You need to write at least one paragraph arguing the statement is true and at least one arguing the statement is not, using the format below, then a conclusion where you say whether it's true, all things considered.

To what extent requires you to agree, disagree or come down on both sides of a statement. E.g. "The most effective way for a UK citizen to make a difference in society is to join a trade union. Considering a range of views, to what extent do you agree or disagree with this statement?" You need to write at least one paragraph agreeing with the statement and one disagreeing, using the format below, then a conclusion where you personally agree or disagree.

REMEMBER, your paragraphs should follow the **PEEL** format. Make a **point**, e.g. One way democratic values support democracy is that the value of free speech allows us all to be heard. Then **explain** it, e.g. This means we can express ourselves by criticising the government and trying to change other people's minds about who they vote for. Then give an **example**, e.g. For instance, in 2003 over a million people protested against the Iraq War at a march in Central London. And finally, **link** back to the question, e.g. This shows how the democratic value of free speech in particular supports democracy.

If you can't think of an **example**, then **explain** further. Ask yourself - "so what?" - and keep going with your explanation.

PEEL: Point - Explain - Example - Link

GENERAL TIPS AND TRICKS

- You don't have to do the paper in **order**. If you come across a question you find tricky, **skip it** and move onto one you know you can do.

- Spelling and grammar **don't matter**, so long as the examiner can understand the point you're making. There are **no SPaG marks**.
- Citizenship is **positively marked**. You get marks for anything correct you say. The more you write, the more you can get. **Just have a go!**
- The **amount of marks** a question is worth and the **command word** in the question are your **biggest clues** for what you need to do.

French | Holidays | Topic Dictionary

Image	Key Word	Definition	In a Sentence
	un musée (m)	museum	Moi, j'adore visiter le musée de Louvre car c'est tres divertissant.
i V	un office de tourisme (m)	tourist office	On peut trouver des informations à l'office de tourisme
**	au bord de la mer	By the seaside	Tous les étés, je vais en vacances au bord de la mer
	un forêt (m)	forest	Pendant les vacances, je fais une promenade en forêt
	une île (f)	island	L'année prochaine, je vais voyager aux îles grecques.
DΦQ	un terrain de sport (m)	sports field	Dans mon collège, il y a un terrain de sport
	une campagne (f)	countryside	Je préfère plutôt les vacances à la campagne.
<u> </u>	un camping (m)	campsite	Les vacances en camping sont formidables
7 IIII 2	un hôtel (m)	hotel	Mon hôtel est très moderne et aussi assez confortable.
⊕ • •	un village (m)	village	J'ai visité un village historique avec ma famille.
0000	les grandes vacances	summer holidays	Pendant les grandes vacances, on voyage aux Etats -Unis

French | Holidays | Sentence Builder 1 Add a tme marker destination Who with? Add a Past tense Reason And a reason and a verb à Paris (to Paris) Normalement je vais (I go) en France (in France) l'année je suis allée à Paris en France. avec mes / ses parents. mais (with my / his-her parents) (but) dernièr (I went) (Normally) mon ami(e) à Madrid en Espagne (in Spain) avec mes / ses grandse (last à Madrid en Espagne. D'habitude va (he/she parents. (with my / his-her il est allé (he year) à Rome à Rome (Usually) goes) en Italie (in Italy) grandparents) went) en Italie. avec mes / ses amis. (with Tous les ans à Lisbonne au Portugal (in my / his-her friends) elle est allée à Lisbonne au Portugal. (Every year) Portugal) avec ma / sa famille. (with (she went) à New York à New York my / his-her family) aux Etats-Unis. aux Etats-Unis (in the avec mon / son école (with En été (In summer) USA) my / his-her school) En août (In August) parce que c'est... (because it is) parce que c'était... (because it ie vovaae i'ai vovaaé en train (by en train (by (I travel) (I travelled) Au printemps (In was) train) train) (très / vraiment / assez / plutôt) (very / really / quite / spring) il/elle il/elle a (très / vraiment / assez / plutôt) en bateau (by en bateau (by En hiver (In winter) voyage voyagé (very / really / quite / rather) boat) boat) rapide (fast) (he/she En automne (In (he/she travels) bon marché (cheap) travelled) rapide (fast) autumn) en avion (by en avion (by confortable (comfortable) bon marché (cheap) Pendant les plane) plane) confortable (comfortable) aénial (areat) vacances scolaires pratique (practical) génial (great) en voiture (by en voiture (by (During the school un long trajet (it's a very long journey) pratique (practical) holidays) car) car) moins cher que l'avion (it's less expensive than the un long trajet (it's a very long iournev) en car (by en car (by plus confortable que le car (it's more comfortable moins cher que l'avion (it's less coach) coach) than the coach) expensive than the plane) plus confortable que le car (it's à vélo (on a à vélo (on a more comfortable than the bike) bike) coach) A Paris (In Paris) visiter le centre-ville (visit the town-centre) on peut visiter le centre-ville (visit the town-centre) on pouvait faire de la natation / des achats / du ski nautique / de la voile / de la faire de la natation / des achats / du ski nautique (we can) (we could) / de la voile / de la planche à voile / des A Madrid planche à voile / des promenades (ao swimmina / shoppina / water skiing / sailing / windsurfing / for walks) on ne pouvait **promenades** (go swimming / shopping / water on ne peut utiliser la piscine en plein air (use the outdoor swimming pool) skiing / sailing / windsurfing / for walks) A Rome pas (we pas (we couldn't) **utiliser la piscine en plein air** (use the outdoor cannot) nager (swim) A Lisbonne se détendre (relax) swimmina pool) bronzer sur la plage (sunbathe) nager (swim) lire le journal / un roman d'aventure (read the newspaper / an A New York se détendre (relax) adventure novel) **bronzer sur la plage** (sunbathe) y aller (go there) lire le journal / un roman d'aventure (read the newspaper / an adventure novel

French | Holiday activities and 3 tenses | Sentence Builder 2

PRESENT	En vacances, quand (On holiday, when)	il fait chaud (it is hot)) il fait froid (it is cold) il fait beau / mauvais (the weather is nice/bad) il y a du soleil (it is sunny) il y a du vent (it is windy) il y a du brouillard (it is foggy) il y a des nuages (there are clouds) il y a de l'orage (there are storms)	je nage dans la mer (I swim in the sea) je bronze (I sunbathe) je fais des randonnées (I go hiking) je fais du kayak (I go kayaking) je fais du camping (I go camping) je fais les magasins (I go shopping) je fais du lèche-vitrine (I go window shopping) je fais de la planche à voile (I go windsurfing) je fais une excursion en car (I go on a coach trip) je visite de nombreux monuments historiques (I visit lots of historic monuments) je prends beaucoup de photos (I take lots of pictures)			tous les jours. (every day) chaque jour. (every day) tous les matins. (every morning) tous les après-midis. (every afternoon) tous les soirs. (every evening) dès que je peux. (whenever I can)
PAST	L'année prochaine, s' (Next year, if)	il pleut (it rains) il neige (it snows)	je ferai de la planche je ferai une excursion je visiterai de nombrei of historic monuments	pathe) es (I will go hiking) I go kayaking) will go camping) will go shopping) e (I will go window shopping) à voile (I will go windsurfing) en car (I will go on a coach tr ux monuments historiques (I w	de temps en temps. (from time to time) une fois par semaine. (once a week) deux fois par jour. (twice a day)	
FUTURE	L'année dernière, pendant les vacances, comme (Last year, during the holiday, as)	il faisait chaud (it was hot) il faisait froid (it was cold) il faisait beau / mauvais (the w il y avait du soleil (it was sunny il y avait du vent (it was windy) il y avait du brouillard (it was fo il y avait des nuages (there we il y avait de l'orage (there wer il pleuvait (it rained) il neigeait (it snowed)	tous les jours, (every day) tous les matins, (every morning) tous les après-midis, (every afternoon) tous les soirs, (every evening)		nagé dans la mer. (swam in the sea) bronzé. (sunbathed) fait des randonnées. (went hiking) fait du kayak. (went kayaking) fait du camping. (went camping) fait les magasins. (went shopping) fait du lèche-vitrine. (went window shopping) fait de la planche à voile. (went windsurfing) fait une excursion en car. (went on a coach trip) visité de nombreux monuments historiques. (visited lots of historic monuments) pris beaucoup de photos. (took lots of pictures)	

French | Photo Card | Skills Guide

Success Criteria:

- Have you described what you can see in the photo?
- PALM to add a range of details?
- Have you linked your ideas with straightforward connectives?
- Have you given your opinion about the activity?
- Have you given a variety of reasons?
- Use the Present tense to say what people are doing

Step 1: Describe what you can see in the photo

Step 2: Give an opinion about the activity

Sur la photo il y a... (in the photo there is...)
Sur la photo je peux voir... (in the photo I can see...)

☐ Who?

People

- une femme/une fille(a woman/girl)
- un homme/un garçon (a man/boy)
- une famille/un groupe (a family / group)
- **des étudiants** (some students)

☐ What are they doing?

Action

- Ils sont en train de marcher (they are walking
- Ils sont en train de parler(they are talking)

☐ Where?

Location

Ils sont... (They are..)

- **en ville** (in the city)
- à la plage (at the beach)
- à la montaigne (in the mountains)
- au restaurant (in a restaurant)
- au parc (at the park)
- chez eux (at home)

☐ What is the mood?

Mood

- Ils sont contents (they are happy)
- Il fait beau (it is good weather)
- Il fait mauvais (it is bad weather)

Décris la photo et exprime ton opinion sur sortir avec tes amis.

Model answer

Description: Sur la photo il y a un groupe d'amis. Je peux voir qu'ils sont en train de parler et je pense qu'ils sont à la plage. Finalement, ils sont contents. Je dirais qu'ils sont en vacances.

Opinion: A mon avis, j'adore aller en vacances avec mes amis parce que c'est divertissant et ça me plaît, mais quelquefois c'est un peu fatigant.

☐ Start with an opinion phrase

- À mon avis (In my opinion)
- Je pense que / Je crois que (I think that)
- **Selon moi** (according to me)

☐ Give a positive opinion

- c'est amusant / divertissant (it is fun / entertainina)
- c'est relaxant / palpitant (it is relaxing / exciting)
- ça me plaît / me fait rire (it makes me happy / laugh)

☐ Link with a connective(s)

- aussi / et (also / and)
- cependant / mais (however / but)

☐ Give a negative opinion

c'est barbant/ désagreable (it is boring / unpleasant)

Page 4

- c'es fatigant / monotone (it is tiring / dull)
- **ça me fait triste** (it makes me sad)

French | School Uniform | Topic Dictionary

Image	Key Word	Definition	In a Sentence
/PD	un manteau	a coat	Je n'ai pas de manteau .
	une chemise	a shirt	Je porte une chemise blanche.
	une veste	a jacket	Il faut porter une veste.
	des chaussettes	socks	Mes chaussettes sont blanches.
	une cravate	a tie	Je n'aime pas porte une cravate.
	une jupe	a skirt	Les filles peuvent porter une jupe .
	un pull	a jumper	S'il fait froid, je porte un pull.
	un pantalon	trousers	Quelquefois je porte un pantalon.
2	une robe	a dress	On ne peut pas porter une robe .
	des baskets	trainers	Je préfère porter des baskets.
574	des chaussures	shoes	Mes chaussures sont noires.

French tenses | Irregular verbs

	Aller –to go						
	Présent	Passé-composé	Imparfait	Futur immédiat	Futur proche	Conditionnel	
Je / J'	vais	suis allé (e)	allais	vais aller	irai	irais	
Tu	vas	es allé (e)	allais	vas aller	iras	irais	
II / Elle / On	va	est allé (e)	allait	va aller	ira	irait	
Nous	allons	sommes allé(e)s	allions	allons aller	irons	irions	
Vous	allez	êtes allé(e)s	alliez	allez aller	irez	iriez	
lls / Elles	vont	sont allé(e)s	allaient	vont aller	iront	iraient	
	Faire –to do						
	Présent	Passé-composé	Imparfait	Futur immédiat	Futur proche	Conditionnel	
Je / J'	fais	ai fait	faisais	vais faire	ferai	ferais	
Τυ	fais	as fait	faisais	vas faire	feras	ferais	
II / Elle / On	fait	a fait	faisait	va faire	fera	ferait	
Nous	faisons	avons fait	faisions	allons faire	ferons	ferions	
Vous	faites	avez fait	faisiez	allez faire	ferez	feriez	
lls / Elles	font	ont fait	faisaient	vont faire	feront	feraient	
	Avoir –to have	Avoir –to have					
	Présent	Passé-composé	Imparfait	Futur immédiat	Futur proche	Conditionnel	
Je / J'	ai	ai eu	avais	vais avoir	aurai	aurais	
Τυ	as	as eu	avais	vas avoir	auras	aurais	
II / Elle / On	а	a eu	avait	va avoir	aura	aurait	
Nous	avons	avons eu	avions	allons avoir	aurons	aurions	
Vous	avez	avez eu	aviez	allez avoir	aurez	auriez	
Ils / Elles	ont	ont eu	avaient	vont avoir	auront	auraient	

French tenses | Irregular verbs

	Être –to be						
	Présent	Passé-composé	Imparfait	Futur immédiat	Futur proche	Conditionnel	
Je / J'	suis	ai été	étais	vais être	serai	serais	
Τυ	es	as été	étais	vas être	seras	serais	
II / Elle / On	est	a été	était	va être	sera	serait	
Nous	sommes	avons été	étions	allons être	serons	serions	
Vous	êtes	avez été	étiez	allez être	serez	seriez	
lls / Elles	sont	ont été	étaient	vont être	seront	seraient	
	Pouvoir –to be abe to						
	Présent	Passé-composé	Imparfait	Futur immédiat	Futur proche	Conditionnel	
Je / J'	peux	ai pu	pouvais	vais pouvoir	pourrai	pourrais	
Τυ	peux	as pu	pouvais	vas pouvoir	pourras	pourrais	
II / Elle / On	peut	а ри	pouvait	va pouvoir	pourra	pourrait	
Nous	pouvons	avons pu	pouvions	allons pouvoir	pourrons	pourrions	
Vous	pouvez	avez pu	pouviez	allez pouvoir	pourrez	pourriez	
Ils / Elles	peuvent	ont pu	pouvaient	vont pouvoir	pourront	pourraient	
	Vouloir –to want						
	Présent	Passé-composé	Imparfait	Futur immédiat	Futur proche	Conditionne	
Je / J'	veux	ai voulu	voulais	vais vouloir	voudrai	voudrais	
Τυ	veux	as voulu	voulais	vas vouloir	voudras	voudrais	
II / Elle / On	veut	a voulu	voulais	va vouloir	voudra	voudrait	
Nous	voulons	avons voulu	voulions	allons vouloir	voudrons	voudrions	
Vous	voulez	avez voulu	vouliez	allez vouloir	voudrez	voudriez	
lls / Elles	veulent	ont voulu	voulaient	vont vouloir	voudront	voudraient	

French | My School and School Rules | Skills Guide 1

Have you used..

1. a verb?	2. a noun?	3. a connective?	4. An opinion phrase?	5. a verb?	6. an intensifier?	7. an adjective?
J'adore (I love) J'aime (I like) Je n'aime pas (I don't like) Je déteste (I hate)	l'anglais (English) l'espagnol(Spanish) le français (French) l'histoire (History) la géographie (Geography) l'informatique (IT) le dessin (Art) l'EPS (PE) le théâtre (Drama) la musique (Music) les maths (Maths) les sciences (Science) mon/ma prof de (my teacher)	parce que (because) mais (but) et (and) cependant (however)	je pense que / je crois que (I think that) je dirais que (I would say that) selon moi (according to me) à mon avis (in my opinion) je trouve que (I find that)	c'est (it is) il est / elle est (he/she is)	très (very) assez (quite) vraiment (really) un peu (a bit)	amusant (fun) divertissant (entertaining) intéressant (interesting) facile (easy) difficile (difficult) utile (useful) inutile (useless) stricte (strict) gentil(le) (kind) drôle (funny)
Dans mon collège (At my school) on doit (you/one must) Dans notre collège (at our school) on peut (you/one can) our school) apporter le matériel scolaire (bring your equipment) bavarder en classe (chat in class) manger/boire en classe (eat/drink in lessons) courir dans le couloir (run in the corridors) decir palabrotas (swear) écouter les profs (listen to the teachers) être à l'heure(be on time)					Example: J'adore les sciences parce que selon moi c'est très divertissant.	
À mon avis c'est (In my opinion it Je trouve que c'e find that it is)	un peu (a little)	e (logical) / nécessaire (necessar g) / frustrant (frustrating) / injuste (e (pointless)			(I love Science because according to me it's very entertaining)	

French | My Future plans | Skills Guide 2

STEP 1: Quand j'étais petit(e), je voulais être (When I was little, I wanted to be) Quand mon ami(e) était petit(e), il / elle voulait être (When my friend was little, he/she wanted to be)		mais maintenant je voudrais être (but now I would like to be) mais maintenant il / elle voudrait être (but now he / she would like to be)			
docteur (a doctor) chirurgien (a surgeon) infirmier / infirmière (a nurse) dentiste (a dentist)	coiffeur / coiffeuse (a hairdresser) esthéticien / esthéticienne (a beautician) comptable (an accountant) vendeur / vendeuse (a shop assistant)	entraîneur personnel (a personal trainer) agriculteur / agricultrice (a farmer) policier (a police officer) réceptionniste (a receptionist)	mécanicien / mécanicienne (a mechanic) journaliste (a journalist) instituteur / institutrice (a primary schoo teacher) prof (a secondary school teacher)		
STEP 2: Donc l'année prochaine (not) going to study)	je (ne) vais (pas) étudier (So next year I am	Donc si j'ai de bons résultats, je vais (Donc si j'ai de bons résultats, je vais (So if I have good results, I am going to)		
les SVT (science) les arts plastiques (art) les maths (maths) la géographie (geography) la technologie (technology) la musique (music) la religion (RE)	le français (French) le dessin (art) l'EPS (PE) l'histoire (history) l'espagnol (Spanish) l'anglais (English) l'informatique (computing) l'art dramatique (drama)	continuer mes / ses études (continue with my / his-her studies) trouver du travail (find a job) faire un apprentissage (do an apprenticeship) passer le bac (take the A Level) prendre une année sabbatique (take a gap year) aller à l'université (go to uni)			
STEP 3: parc	e que (because) / car (because) / puisque (sinc	ce) / mais (but) / cependant (however)	/ toutefois (however)		
ça sera (it will be) ça ne sera pas (it won't be)	une expérience passionnante. (a fascinating experience) utile et assez intéressant. (useful and quite interesting) ma / sa passion. (my / his-her passion) une perte de temps. (a waste of time) utile pour mon / son avenir. (useful for my / his-her future)	amusant (fun) fantastique (fantastic) divertissant (entertaining) incroyable (incredible) époustouflant (amazing) facile (easy) fascinant. (fascinating) relaxant (relaxing)	trop difficile. (too difficult) monotone (repetitive) très cher. (very expensive) barbant (boring) ennuyeux (boring) nul (rubbish)		
j'ai des notes exceptionnelles (I have amazing grades) j'ai des notes satisfaisantes (I have good grades) je fais des progrès (I make progress)		je fais toujours des efforts (I always put a lot of effort in) c'est (vraiment / très / un peu / plutôt / trop / assez) intéressant (it's (really / very / a bit / rather / too / quite) interesting			

French | Speaking | Exam Style question

1. Est –ce que tu apprenais une langue a l'école primaire? (Past Tense)

Oui, j'apprennais le francais et l'espagnole –Yes, I used to learn French and Spanish

Non, je n'apprennais pas de langue -No, I didn't learn a language

Tu apprends quelles langues au college?
(Present Tense)

Au collège, j'apprends l'allemand et l'italien –In school, I am learning German and Italian

En ce moment, j'apprends le francais mais je n'apprends pas l'espagnole. –At the moment, I am learning French but I don't learn Spanish

Comment est-ce que tu vas améliorer ton francais a l'avenir? (near future tense)

A l'avenir, Je vais —In the future, I am going to **regarder des films allemands** –watch German films

écouter des podcasts en français —listen to French podcasts

utiliser un appli sur mon portable-use an app on my phone

lire des magazines en français –read French magazines

French | Writing: the 20 marker | Skills Guide

Exam question: Write to your friend about your school. You must include:

- description of your school day
- your opinion of subjects with reasons
- how you got to school last week
- what you are going to do after school today

Salut Marie,

<u>Bullet Point 1:</u> Je vais vous parler de mon collège. J'ai trouvé la semaine dernière un peu dure. Lundi, en classe de maths, j'ai ri pendant un examen et le prof n'était pas très content!

<u>Bullet Point 2:</u> Moi, je pense que je suis fort en français mais, malheureusement, la prof n'est pas d'accord. Mercredi dernier, elle a dit que je ne suis pas assez travailleur. C'est injuste!

<u>Bullet Point 3:</u> Ensuite, vendredi matin, le bus était en retard, donc je suis arrivé au collège en retard.

<u>Bullet Point 4:</u> Je dirais que n'aime aucune matière au collège! Je vais passer mon temps à faire du sport. Je ne vais pas faire mes devoirs et je vais jouer souvent sur mon portable en regardant aussi la télé,

Challenge checklist: Past, present and future timeframes Connectives, time phrases Extended sentences (e.g. avec, dans) Opinion phrases A wide range of tenses Different persons of the verb (e.g. il /elle) Justified opinions / reasons Negatives (ne...pas / ne...jamais) Ambitious vocabulary Phrases with more than one tense Infinitive phrases (J'aimerais +inf) Complex phrases Positive and negative statements

Challenge: Translate into French:

I like my school and my teachers. My favourite subject is maths because it is fun. I always do my homework in the evening. Last month I went to the museum with my history class. It was quite boring. Next year I want to continue to learn English because it will be very important for my future.

Geography | The Changing Economic World | Topic Dictionary

Image Key word		Definition	In a sentence	
		The number of births in a year per 1000 of the total population.	The birth rates in LICs are usually higher than in HICs.	
		The Commonwealth is a voluntary association of 56 independent and equal sovereign states, which were mostly territories of the former British Empire	Commonwealth states have no legal obligation to one another. Instead, they are united by language, history, culture, and their shared values of democracy, human rights, and the rule of law.	
RIP.			The death rate decreases as a country becomes more developed.	
de- industrialisation The decline of a country's traditional manufacturing industry due to exhaustion of raw materials, loss of markets and increasing competition from NEEs.		industry due to exhaustion of raw materials, loss of	The UK has seen de-industrialisation as factories have moved to countries in southeast Asia.	
	development The progress of a country in terms of economic grow the use of technology and human welfare.		The UK has a high level of development .	
development gap w€		The widening difference in standards of living and wellbeing between the world's economically richest and poorest countries (between HICs and LICs).	There is a development gap between the north and south of the UK	
수 수 수 수 등등 수 수 수	分屋(い) European Union formed to reduce trade barriers and increase		A person who is a citizen of a European Union country can live and work in any of the other 26 member countries without needing a work permit or visa.	
9	fairtrade Is a system that ensures producers in LICs and NEEs are given a fairer price for the goods they produce		Fairtrade leads to improvements in income, workers' rights and working conditions, and reduces exploitation.	
	globalisation	The process which has created a more connected world, with increases in the movements of goods (trade) and people (migration and tourism) worldwide.	Globalisation has led to increased connectivity between the UK and the rest of the world.	
	Gross National Income GNI A measurement of economic activity that is calculated by dividing the gross (total) national income by the size of the population.		GNI takes into account not just the value of goods and services, but also the income earned from investments overseas.	
	Human Development Index (HDI)	A method of measuring development which combines GDP per capita, life expectancy and adult literacy to give an overview	The human development index uses economic and social indicators to produce an index figure that allows comparison between countries.	

Geography | The Changing Economic World | Topic Dictionary

Image	ge Key word Definition		In a sentence	
	industrial The relative proportion of the workforce employed in different sectors of the economy		The four sectors in the industrial structure are primary, secondary, tertiary and quaternary.	
	infant mortality	The average number of deaths of children under 1 year of age, per 1000 live births, per year.	The infant mortality	
			Information technology speed up communication and the flow of information.	
	intermediate technology	Technology that is suited to the needs, skills, resources, knowledge and wealth of local people in the environment in which they live.	In LICs intermediate technology is often simple, easily learned and easily maintained technology.	
			International aid helps to improve the quality of life and economy of another country.	
الانتيسا	life expectancy The average number of years a person might be expected to live.		HIC countries usually have longer life expectancies than LICs.	
	literacy rate The percentage of people who have basic reading and writing skills		As a country's development increases the literacy rates increase.	
•	microfinance loans	Very small loans which are given to people in the LICs to help them start a small business.	Microfinance loans help to provide employment to people as more businesses are opened.	
	north-south divide Economic and cultural differences between Southern England (and Northern England.		The north-south divide shows there are clear differences health conditions, house prices, earnings, and politico influence.	
	post-industrial economy	The economy of many economically developed countries where most employment is now in service (tertiary) industries.	The UK has a post-industrial economy with the majority of people working in the service sector.	
	profe		Service industries include commercial (shops and banks), professional (solicitors and dentists), social (schools and hospitals), entertainment (restaurants and cinemas) and personal (hairdressers and fitness trainers).	
	The buying and selling of goods and services between countries.			
	transnational corporation TNC	A company that has operations (factories, offices, research and development, shops) in more than one country	Many TNCs are large and have well-known brands such as Shell and Nike.	

Geography | The Changing Economic World | Knowledge Organiser

Variations in the level of development LICs Poorest countries in the world. GNI per capita is low and most citizens have a low standard of living. These countries are getting richer as their economy is progressing from the primary industry to the secondary industry. Greater exports leads to better wages. HICs These countries are wealthy with a high GNI per capita and standards of living. These countries can spend money on services.

Causes of uneven development

Development is globally uneven with most HICs located in Europe, North America and Oceania. Most NEEs are in Asia and South America, whilst most LICs are in Africa. Remember, development can also vary within countries too.

Physical factors affecting uneven development			
Natural Resources	Natural Hazards		
 Fuel sources such as oil. Minerals and metals for fuel. Availability for timber. Access to safe water. 	 Risk of tectonic hazards. Benefits from volcanic material and floodwater. Frequent hazards undermines redevelopment. 		
Climate	Location/Terrain		
 Reliability of rainfall to benefit farming. Extreme climates limit industry and affects health. Climate can attract tourists. 	 Landlocked countries may find trade difficulties. Mountainous terrain makes farming difficult. Scenery attracts tourists. 		

Human factors affecting uneven development			
Aid	Trade		
 Aid can help some countries develop key projects for infrastructure faster. Aid can improve services such as schools, hospitals and roads. 	 Countries that export more than they import have a trade surplus. This can improve the national economy. Trading goods and services is more profitable than raw materials. 		
Education	Health		
 Education creates a skilled workforce meaning more goods and services are produced. Educated people earn more money, meaning they also pay more taxes. This money can help develop the country in the future. 	 Lack of clean water and poor healthcare means a large number of people suffer from diseases. People who are ill cannot work so there is little contribution to the economy. More money on healthcare means less spent on development. 		
Politics	History		
 Corruption in local and national governments. The stability of the government can effect the country's ability to trade. Ability of the country to invest into services and infrastructure. 	 Colonialism has helped Europe develop, but slowed down development in many other countries. Countries that went through industrialisation a while ago, have now develop further. 		
ment index (1 = perfect / 0 = bad)			

Human development index (1 = perfect / 0 = bad) **B#* **COSO **Actualitix. **Copyright Actualitican Alights resorved

Consequences of Uneven Development

Levels of development are different in different countries. This uneven development has consequences for countries, especially in wealth, health and migration.

ualitix.	Wealth	People in more developed countries have higher incomes than less developed countries.	
5	Health	Better healthcare means that people in more developed countries live longer than those in less developed countries.	
OR R ve			
		If nearby countries have higher levels of development or are secure, people will	
1	Migration	move to seek better opportunities and standard of living.	

The Demographic Transition Mode

The demographic transition model (DTM) shows population change over time. It studies how birth rate and death rate affect the total population of a country.



٩	c Iranshon Model				
	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
	High DR High BR Steady	BR Low Declining DR Very High	Rapidly falling DR Low BR High	Low DR Low BR Zero	Slowly Falling DR Low BR Negative
	e.g. Tribes	e.g. Kenya	e.g. India	e.g. UK	e.g. Japan

Geography | The Changing Economic World | Knowledge Organiser

Reducing the Global Development Gap

Microfinance Loans

This involves people in LICs receiving smalls loans from traditional banks.

- + Loans enable people to begin their own businesses
- Its not clear they can reduce poverty at a large scale.

Aid



This is given by one country to another as money or resources.

- + Improve literacy rates, building dams, improving agriculture.
- Can be wasted by corrupt governments or they can become too reliant on aid.

Fair trade



This is a movement where farmers get a fair price for the goods produced.

- + Paid fairly so they can develop schools & health centres.
- -Only a tiny proportion of the extra money reaches producers.

Foreign-direct investment S



This is when one country buys property or infrastructure in another country.

- + Leads to better access to finance, technology & expertise.
- Investment can come with strings attached that country's will need to comply with.

Debt Relief



This is when a country's debt is cancelled or interest rates are lowered.

- + Means more money can be spent on development.
- Locals might not always get a say. Some aid can be tied under condition from donor country.

Technology



Includes tools, machines and affordable equipment that improve quality of life.

- + Renewable energy is less expensive and polluting.
- Requires initial investment and skills in operating technology

Reducing the Development Gap in the Maldives

Location and Background

The Maldives is an island nation scattered across the Indian Ocean. southwest of Sri Lanka and India. This tropical paradise is famous for its hundreds of coral islands grouped together in atolls, which are ringshaped reefs.



Tourist economy

Most tourists come from Europe. They come to see the coral reefs, clear blue seas and white beaches. Tourists spend over US \$200 million per year, which means that tourism generates the biggest income for the country. Fishing is the second largest industry, but this does not bring in as much money.

Multiplier effect

- -Jobs from tourism have meant more money has been spent in shops and other businesses.
- -Government has invested in **infrastructure** to support tourism.

Managing tourism

Within 20 years, resort islands could make up about 20% of the Maldivian islands. The country needs tourists to visit, but the damage that tourists can do when large numbers of them visit fragile environments must be limited.

The Ministry of Tourism has created rules, such as:

- •for each island resort that is created, one island must be left as a reserve
- •any new resorts must only be two storeys high
- •only 20% of the land area of an island can be built upon







Geography | The Changing Economic World | Knowledge Organiser

Case Study: Economic Development in Nigeria

Location & Importance

Nigeria is a NEE in West Africa. Nigeria is just north of the Equator and experiences a range of environments.

Nigeria is the most populous and economically powerful country in Africa. Economic growth has been based on oil exports.

Influences upon Nigeria's development

Political Social

Suffered **instability** with a **civil war** between 1967-1970.

From 1999, the country became **stable** with **free and fair elections**.

Stability has **encouraged global investment** from China and USA.

Nigeria is a **multi-cultural**, **multi-faith society**. Although mostly a strength, diversity has caused **regional conflicts** from groups such as the Boko Haram terrorists.

Cultural Industrial Structures

Nigeria's **diversity** has created rich and varied **artistic culture**.

The country has a rich music, literacy and film industry (i.e. Nollywood).

A successful national football side.

Once mainly based on agriculture, 50% of its economy is now manufacturing and services. A thriving manufacturing industry is increasing foreign investment and employment opportunities.

The role of TNCs Changing Relationships

TNCs such as **Shell** have played an important role in its economy.

- + Investment has **increased employment and income**.
- Profits move to HICs.
- Many oil spills have damaged fragile environments.

Nigeria plays a leading role with the **African Union** and **UN**.

Growing links with China with huge investment in infrastructure.

Main import includes petrol from the EU, cars from Brazil and phones from China.

Environmental Impacts Aid & Debt relief

The 2008/09 oil spills devastated swamps and its ecosystems.

Industry has caused **toxic chemicals** to be discharged in open sewers - **risking human health**.

80% of forest have been **cut down**. This also increases **CO² emissions**.

- + Receives \$5billion per year in aid.
- + Aid groups (ActionAid) have improved health centres, provided anti-mosquito nets and helped to protect people against AIDS/HIV.
- Some aid fails to reach the people who need it due to **corruption**.

Effects of Economic Development

Life expectancy has increased from 46 to 53 years. 64% have access to safe water. Typical schooling years has increased from 7 to 9.

Case Study: Economic Change in the UK

Causes of Economic Change

De-industrialisation and the **decline** of the UK's industrial base.

Globalisation has meant many industries have moved overseas, where labour costs are lower.

Government investing in supporting vital businesses.

Towards Post-Industrial

The quaternary industry has increased, whilst secondary has decreased.

Numbers in **primary** and **tertiary industry** has **stayed the steady**.

Big increase in **professional** and **technical jobs**.

Developments of Science Parks

CS: UK Car Industry



Science Parks are groups of scientific and technical knowledge based businesses on a single site.

- Access to transport routes.
- Highly educated workers.
- Staff benefit from attractive working conditions.
- Attracts clusters of related high-tech businesses.

Every year the UK makes 1.5 million cars. These factories are owned by large TNCs. i.e. Nissan.

- 7% of energy used there factories is from wind energy.
- New cars are more energy efficient and lighter.
- Nissan produces electric and hybrid cars.

Change to a Rural Landscape

Social

iui

Rising house prices have caused tensions in villages.

Villages are **unpopulated** during the day causing **loss of identity**.

Resentment towards poor migrant communities.

Economic

Lack of affordable housing for local first time buyers.
Sales of farmland **has increased rural**

UK North/South Divide

unemployment.
Influx of poor migrants puts **pressures** on local services.

Improvements to Transport

000

Maria and Indiana de Hara Nia

- A £15 billion 'Road Improvement Strategy'. This will involve 10 new roads and 1,600 extra
- Lanes.
 £50 billion HS2 railway to improve
- connections between key UK cities. £18 billion on Heathrow's controversial third
- UK has many **large ports** for importing and exporting goods.
- Wages are **lower** in the North.
- Health is **better** in the South.
- Education is **worse** in the North.
- + The government is aiming to support a
- **Northern Powerhouse** project to resolve regional differences.
- + More **devolving of powers** to disadvantaged regions.

Map Skills

Compass points

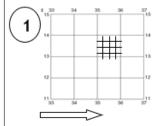
Compass directions are vital for finding your way around a map and provide the easiest way of describing the distribution of different features.

Distance on a map

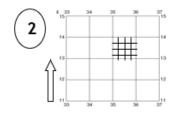
If you are required to work out the straight-line distance (as the crow flies) between 2 places, simply place your ruler over both points and measure the distance in-between, then convert into kilometres using the scale line or by multiplying your answer by 0.5, i.e. 7 cm on the map equals 3.5km in real life. .

4 and 6 figure grid references

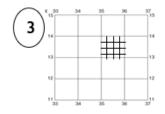
Ordnance Survey map are covered in a series of blue grid lines. These grid lines can be used to pinpoint locations through a unique number known as a grid reference.



Go along the bottom of the map until you reach the point which forms the left side of the square you're trying to locate e.g. 35



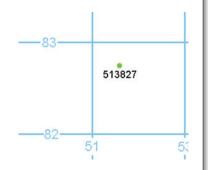
Then, go up the side of the map until you reach the point that forms the bottom side of the square you're trying to locate e.g. 13



Now put your two answers together e.g. 35 13.

If you want to pinpoint an exact place on a map, such as a church or farm building, then you will need to use a **six-figure grid reference**. The first step is to find the four-figure reference, now imagine this square is divided up into 100 tiny squares, with 10 squares along each side.

Still remembering to go along the corridor and then up the stairs, estimate how far across and then up the square the feature is.

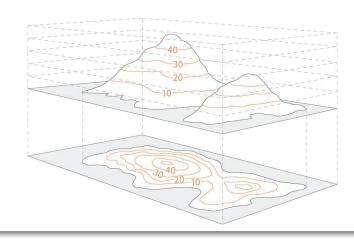


Contour lines

Hills, slopes and mountains are represented on a map using contour lines.

A contour is a line drawn on a map that joins points of equal height above sea level. We can see how heigh the land is by the number on the line.

The steeper the slope the closer together the contour lines will be



Answering 1-mark questions

These usually require you to:

- Add something to a diagram
- Write a 1 word answer
- Shade a box
- Define a key term.

Be very careful with these questions as they like to trick you. READ THE QUESTIUON VERY CAREFULLY

Answering 2-mark questions

These will require you to:

- Tick 2 boxes
- Write 2 reasons why something happens
- Fill in the gaps
- Describe a graph
- Describe distribution on a map

If you are asked to explain a pattern on a graph the following structure will help you.

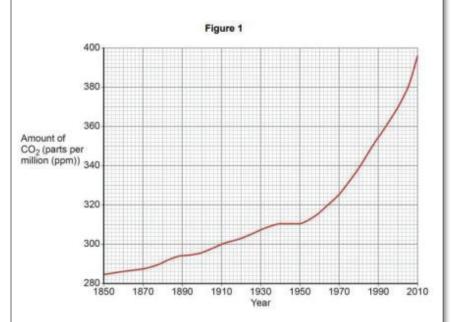
Trend – what this the overall pattern of the graph.

Examples – pick out examples that support the overall pattern

Anomalies – is there any part of the data that doesn't fit the overall trend



TEA in action.



Describe the change in the amount of carbon dioxide in the atmosphere shown in figure (2 marks)

Overall, the graph shows an increase in the amount of carbon dioxide (CO2). In 1850 there was 284 ppm however the amount increases steadily until 1950 where there was 310 ppm but after that it increases rapidly 396 ppm in 2010. From 1940 to 1950 however, there was no significant increase in the amount of CO2.

Answering 3-mark questions

These will require you to:

- Fill in the gaps in a paragraph
- · Label things on a diagram
- Describe a graph (in detail)
- Describe distributions on a map with suggestions and reasoning

They require you to describe in detail but also on occasion to provide a basic explanation or a suggestion usually based on a source figure in the paper. See the worked example to help you.

It is common in all three papers to be asked to **describe the distribution** and link to a map.

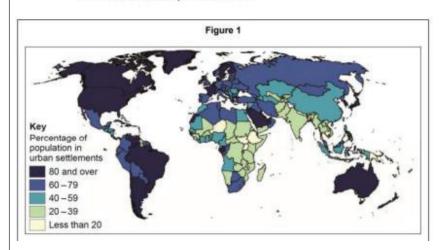
Distribution – how something is spread over an area.

To structure your response in relation to a map you should follow the steps here.

- 1. Trends give the overall pattern
- 2. Examples specific place examples to prove your point
- 3. Anomalies any countries that do not fit the pattern you expect to see.

TEA in action.

Study Figure 1, a map showing the percentage of the population living in urban settlements in different parts of the world.



Describe the differences in percentage of population living in urban settlements in Africa and South America (3 marks)

Africa has a much larger difference of people living in urban settlements than South America. Some landlocked countries in central and eastern have less than 20% of people in urban areas whereas the majority has between 20 and 39%. South American countries are much more urbanised with nearly all the countries are 60% and over. However, some countries on the western coast of Africa are 80% and over and one country in northern part of South America is 20% - 39% urbanised.

Answering 4-mark questions



Consequently **A**s a result of

Therefore

This means that

These will require you to:

- Explain 2 points in detail
- Explain a point in a lot of detail

4 Mark questions are a nice way to pick up marks. They tend to have a figure attached to them which you can use to help you with the answer.

To ensure that you are expanding your points you must use CATT statements to help you add relevant detail and your own knowledge.

Worked example with no figure:

Outline one mitigation strategy which aims to reduce the rate of climate change (4 marks)

One strategy that can be used to mitigate climate change is converting our energy production from burning fossil fuels to using renewables. This means that coal, oil and natural gas fired power stations would be decommissioned and our energy would come from energy sources such as tidal power, wind power and solar power. Consequently, this is beneficial as our energy will come from sources that don't produce CO2 meaning it doesn't let shorter wave infrared radiation out into space warming the planet. It also means that the energy is readily available to be used on site and doesn't have to be transported around by vehicles (such as coal trucks and oil tankers) as a result further mitigating climate change by minimising greenhouse gases emitted by vehicles

Worked example with a figure:

Study Figure 15, a photograph showing the effects of river flooding in Somerset in 2014.



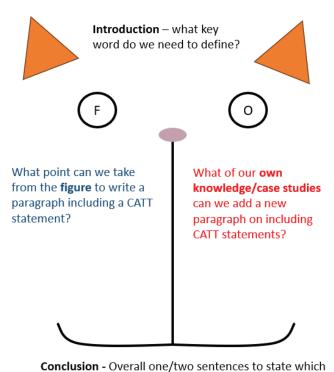
Explain the likely economic effects of river flooding in this area (4 marks)

The photograph shows that that the road has been submerged under the water. This means that vehicles cannot travel along the road which means that residents of this area will not be able to get to work. This could have an economic impact on their personal income. If continued over a long period of time, could result in being unable to pay rent or keep up with mortgage leading to debt.

Secondly, I can see that resident's homes have been flooded. This means that there is a high personal economic cost to the residents as their personal belongings may have been destroyed. If they are not insured this means that they must replace it themselves at a high cost.

How to answer a 6-mark question.

A 6-mark question will often ask you to use a figure and your own understanding. This is the plan you need to follow in this case:





Consequently

As a result of

Therefore

This means that

Within our responses it is important that we expand our points in order to show our

geographical ability to explain our points. **CATT statements** will help us do this.

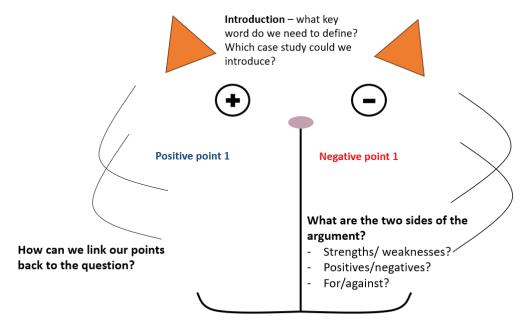
is your most important point and why.

Potential 6-mark command words.

Image	Command words	What you need to do
Ť	Discuss	Present key points about different ideas or strengths and weaknesses of an idea.
?	Explain	Set out purposes or reasons/ Say why something happens.
ф 6-6	Suggest	Present a possible case of why something has happened/how it can impact something.
$\bigcirc \longleftrightarrow \otimes$	To what extent	Judge the importance or success of something (strategy, scheme, project).

How to answer a 9-mark question.

We will use our **cat plan** to ensure that we include all the vital elements for a 9-mark question. This plan will work for all command words!





Conclusion - Overall which side of the argument are you on. What is your main reason why?

Consequently

As a result of

Therefore

This means that

Within our responses it is important that we expand our points in order to show our geographical ability to explain our points.

CATT statements will help us do this.

Potential 9-mark command words.

lmage	Command words	What you need to do
	Assess	Make an informed judgement. Present both sides of an argument and use evidence to make your judgement.
TIT	Discuss	Present key points about different ideas or strengths and weaknesses of an idea.
	Evaluate	Judge from available evidence. Present both sides of an argument and use evidence to make your judgement.
7	Explain	Set out purposes or reasons/ Say why something happens.
	Justify	Support a case with evidence.
$\bigcirc \longleftrightarrow \otimes$	To what extent	Judge the importance or success of something (strategy, scheme, project).

DIT | EXAM Command Words | Topic Dictionary

Keyword	Definition	In a sentence
Annotate the diagram by: • identifying and labelling XX • stating XX	Identify and label the diagram and state what each, i.e. feature/process/characteristic is for, their purpose etc	Annotate the image to explain two features of the direct messaging interface.
Describe	Present two (or more) linked descriptive points on characteristics, features, uses or processes. Do not need to include a justification or reason.	Describe two ways that two-factor authentication restricts user access to computer systems.
Discuss	Consider the different aspects in detail of an issue, situation, problem or argument and how they interrelate.	Discuss the impact of people wanting to upgrade to the latest smartphone.
Draw	Produce a diagram or process flow using information from the given context.	Draw a flow chart diagram on page 11 to show this part of process.
Evaluate	Consider various aspects of a subject's qualities in relation to its context such as: strengths and weaknesses, advantages and disadvantages, pros and cons. Come to a judgement supported by evidence which will often be in the form of a conclusion.	Evaluate the impacts for Yasmine of using social media in this way.
Explain	Present one point that identifies a reason, way, benefit, or importance, etc. and a second point that justifies/explains the first point. Where used, a third point is a further expansion of the justification/explanation.	Explain one benefit to the company of employing staff in other countries.
Give	Provide a response, i.e. feature, characteristic or use of.	Give two benefits to the staff of working from home.
Identify	Select the correct answer from the given context.	Identify TWO ways the nursery could dispose of its old PCs in an environmentally friendly way.
State	Recall from memory facts, terms, processes, legal implications, etc. or provide the correct answer to the given context.	State two other ways Boom Game League could use cookies.

DIT | Moden Technologies | Knowledge Organiser

Traditional networks are made up of several PCs, routers and other devices that are connected using cables and wires.



Ad hoc networks are networks that do not require wires or cables, Modern technology has made it possible for organisations to connect devices when they are needed.



Benefits of ad hoc	Drawbacks of ad hoc	
√ They are scalable	x They are less secu	re.
√ They are flexible	x They have a reduced speed.	
√ They require limited	x The network can b	ecome
setup.	unorganised.	Issue

Examples of ad hoc networks:

- · PAN
- · Open Wi-Fi
- Tethering or Personal Hotspot

Issues affecting availability:

- Rural vs city locations
- Developed vs developing countries
- Available infrastructure
- Mobile network coverage
- Blackspots

Features and usage of cloud storage:

- ISPs often give users a cloud storage allocation as part of a phone or tablet contract
- Scalability you can pay for extra storage.
- Services can also be provided by third parties
- Cloud storage is useful for storing backups of your files. Copies of the files are made on different servers so that they are protected if attacked or in case of a natural disaster such as fire or flood
- You can synchronise with the cloud.

Cloud Storage Providers:



When is cloud storage available?

- · Only when there's an internet connection.
- If the connection is broken access will be terminated.
- The speed of the connection will impact file upload speed and download stream speed.
- If there is a suitable connection, data and files in the cloud can be accessed 24/7

What can be stored in the cloud?

- Images/Videos
 - Emails
 - · Contact info
- App Back Ups

What is cloud storage?

Files and folders are stored remotely rather than on a PC or device.

The files are stored on **servers** so they can be accessed via the internet.

When you want to access the media, the data is **downloaded** or streamed to the device you wish to use it on.

It remains in the file in the cloud unless you delete it.

Data on your device can also be **uploaded** to the cloud.

IT | Cyber Security | Knowledge Organiser

Data and information theft

Data and information both have value as they can be sold for financial gain.

This can be done by stealing customer

payment information and then using it to purchase goods illegally.

Breaches of data and information are a major cause of identity theft.

Fun/ Challenge

- Hackers may attack systems for the thrill, adrenaline rush or a sense of personal achievement.
- They may view increased security as a technical challenge and enjoy trying to get past it.
- They may also get recognition from their peers when they successfully hack into systems.

Disruption

Any attack that prevents an organisation from operating normally causes operational chaos, loss of earnings and reputational damage.

Disruption can be caused in many ways e.g. defacing a website or **Denial-of-service (DoS) attacks**

Motivations may be: financial/social/political reasons.

Organisations have become reliant on digital systems to hold data and perform vital business functions.

Many organisations have their digital systems attacked daily.

The reasons these attacks may occur are varied



Industrial Espionage

Intellectual property (designs, business strategy etc) can be stolen through organised cyberattacks.

These types of assets can be highly valuable, leading to cheaper, fake copies of products being sold and the original organisation suffering a loss of income.

Financial Gain

A very simple motive: money.

Extorting money from victims of a cyberattack is common practice.

Personal Attack

The most common type of personal attack is made by ex-employees holding a grudge against their former employer, perhaps feeling they have been unfairly treated or suffered a form of emotional distress.

Internal Threats

Impacts of security breach			
Immediate Impacts	Longer-term Impacts		
•Data loss •Lost sales •Downtime •Reduction in productivity	Damage to the organisation's public image which could lead to: •Financial loss •Potential legal action		

DIT | Implications | Knowledge Organiser

Key Concepts:

Computer Ethics

Computer ethics refers to a set of principles to regulate the use of computers.

Ethics has become an important consideration due to the spread of computerised systems and electronic communications.

Computer ethics can be broken down into the following main areas of

consideration:

Privacy Concerns

Hacking – is unlawful intrusion into a computer or a network. A hacker can intrude through the security levels of a computer system or network and can acquire unauthorised access to other computers.

Malware – means malicious software which is created to impair a computer system. Common malware are viruses, spyware, worms and trojan horses. A virus can delete files from a hard drive while a spyware can collect data from a computer.

Data Protection – also known as information privacy or data privacy is the process of safeguarding data which intends to influence a balance between individual privacy rights while still authorising data to be used for business purposes.

Anonymity – is a way of keeping a user's identity masked through various applications.

Intellectual Property Rights

Copyright – is a form of intellectual property that gives proprietary publication, distribution and usage rights for the author. This means that whatever idea the author created cannot be employed or disseminated by anyone else without the permission of the author.

Plagiarism – is an act of copying and publishing another person's work without proper citation. It's like stealing someone else's work and releasing it as your own work.

Cracking – is a way of breaking into a system by getting past the security features of the system. It's a way of skipping the registration and authentication steps when installing a software.

Software License – allows the use of digital material by following the license agreement. Ownership remains with the original copyright owner, users are just granted licenses to use the material based on the agreement.

Effects on Society

Jobs – Some jobs have been abolished while some jobs have become simpler as computers have taken over companies and businesses. Things can now be done in just one click whereas before it takes multiple steps to perform a task. There are also ethical concerns on health and safety of employees getting sick from constant sitting, staring at computer screens and typing on the keyboard or clicking on the mouse.

Environmental Impact – Environment has been affected by computers and the internet since so much time spent using computers increases energy usage which in turn increases the emission of greenhouse gases. There are ways where we can save energy like limiting computer time and turning off the computer or putting on sleep mode when not in use. Buying energy efficient computers with Energy Star label can also help save the environment.

Social Impact – Computers and the internet help people stay in touch with family and friends. Social media has been very popular nowadays.

Computer gaming influenced society both positively and negatively. Positive effects are improved hand-eye coordination, stress relief and improved strategic thinking. Negative effects are addiction of gamers, isolation from the real world and exposure to violence.

Computer technology helps the government in improving services to its citizens. Advanced database can hold huge data being collected and analysed by the government. Computer technology aids businesses by automating processes, reports and analysis.

DIT | | Skills Guide

Exemplar questions & student answers

(e) The company could protect against an attack by having user access restrictions.

One user access restriction method is biometrics because this is unique to the user and cannot be copied.

Explain two other user access restrictions the company could use.

Misconceptions:

 Do not accept any form of biometric restrictions

(4)

The company could use strong passwords, so only authorised staff

would have access

Award one mark for the correct method and one mark for a justification of each method, up to a maximum of four marks.

2 They could also use two factor authentication

Program counter (PC)

(strong) Passwords (1) so only **authorised / specific** users can access the systems (1)

Physical security measure (locks/ID cards/PIN codes) (1) because this will stop access to the (server) **room** / because you would need a key (1)

Two-factor authentication (1) because the user would have to verify themselves using a second method (1)

Using correct settings/levels of permitted access (1) so that use are restricted to accessing only certain areas of the systems (1)

Exam vocabulary focus:

Explain

Present one point that identifies a reason, and a second point that justifies both point.

Y11 BTEC Tech Award in Music Practice Skills guide: What will I be assessed on in Music?



Learning Aim B Practising and Performing

This is your opportunity to show that you can sing/play a 30-60 second piece.



Learning Aim B Composing

This is your opportunity to show that you can compose a piece of music related to a professional brief.



Listening to and analysing music

portfolio. Taking inspiration from other musicians and composers.

Creating a plan for your



Exploring your thinking

Creating a portfolio of work that shows your knowledge of compositional and sonic features, and how they are used in your performance and composition

PRACTICAL SKILLS involving performing and composing/creating music Learning Outcome B: Apply understanding of the use of techniques to create music

Things to consider:

Instrumentation roles and functions of different instruments, e.g. transposing for other instruments and vocal ranges, use of timbre, special effects

How individual parts fit together, e.g. arrangements, SATB, orchestration, exploring timbre, rhythm section and soloists, call and response

Ensemble skills such as playing in time with a sense of pulse, sensitivity to others.

Impact of the music for the purpose and intended audience it was created for

Types of music product:

- live performance
- audio recording

Things to consider:

Starting points and stimuli (both musical and non-musical) Repetition and contrast Developing and extending musical ideas

Impact of the music for the purpose and intended audience it was created for.

Types of music product:

- composition for media, such as film. TV. adverts and computer games
- original song or composition
- Digital Audio Workstation (DAW) project.

Things to consider for each style:

Compositional features such as melody, harmony, tonality, rhythm and structure

Sonic features such as instrumentation, timbre, texture and production

How each feature is used in each style

The effect of the music on the audience

Further exploration of the use of features with audio/video examples

Things to consider:

ACADEMIC SKILLS involving research and writing

Learning Outcome A: Demonstrate an understanding of styles of music

Iconic composers, artists, bands and producers who have influenced and impacted musical styles

Impact of technology on musical styles, instruments, production and recording

Further exploration of stylistic features of:

Style 1: Reggae

Style 2: Britpop

Style 3: Music for Film (Horror)

Style 4: West African Music

How you have demonstrated understanding through analysis and practical workshops

Y11 Component 2: Knowledge Organiser: How to plan a composition and performance



Set 2 SMART Targets for composition and performance.



Make goals

clear and



 Define

measureable assets.









Verify yo goals ar relevan





What techniques are you going to use in your performance production?



Top Tips:

Musical elements: Dynamics, Tempo, Pitch, Rhythm should all be carefully planned and **accurate**

Musical style: Your performance should be in keeping with the style eg Britpop, Reggae Musical expression: You should use your voice/instrument expressively, considering tone, articulation and phrasing

Musical experimentation: In your practice log you should describe at least TWO different ways of performing your music to show that you have experimented with different ideas

Musical evaluation/Consideration of brief: How does your performance link to the brief set by the examination board? You should explain your thinking clearly in your production notes/log. How successful is your performance and how do you want your audience to feel when hearing it?



Plan your chords: Here are numbers used to label chords in a chord progression.

Number	Roman Numeral		
1	ä		
2	10		
3	1111		
4	IV		
5	V		
6	VI		
7	VII		
8	VIII		



Melody, including passing notes, leaps, steps, imitation, doubling, variation

Chords, including added notes, major, minor, diminished, change of key

Rhythmic features. Including syncopation, cross-rhythm, dotted notes, triplets
Structure, including introduction, main section, development section and end



Know your key! Chords in the key of C Major





Top tips:

Musical elements: Dynamics, Tempo, Pitch, Rhythm should all be carefully planned and accurate, using the MIDI editor/quantise function where necessary

Musical style: Your composition should be in keeping with the style eg Britpop, Reggae and you should be able to describe how your ideas are typical of the style in your log

Musical experimentation: In your composition log you should describe at least TWO different special effects techniques you have used to show experimentation (eg reverb, distortion, automation, panning)

Musical evaluation/Consideration of brief: How does your composition link to the brief set by the examination board? You should explain your thinking clearly in your production notes/log. How successful is your composition

BTEC Tech Award in Music Practice Component 2: Topic Dictionary

Image	Key term	Definition	Where we might see it	
	limited	Narrow ability, range or scope.	Limited planning that demonstrates tentative progressions	
	superficial	Lacking depth of knowledge and understanding.	Basic reflections lead to superficial music improvements.	
	tentative	Not connected to the task and context.	Musical content is limited and tentatively stylistically accurate	
<u>•</u> •	adequate	The work is acceptable with gaps and inconsistencies shown throughout the portfolio.	Developmental processes are adequately applied	
(<u>•</u> •	partial	Some key points are included, but others are missing.	Professional skills for the music industry are partially applied	
(<u>•</u> •	straightforward	To the point and easy to understand.	Straightforward reflections lead to some musical improvements.	
<u></u>	appropriate	Relevant skills and knowledge are selected to reflect the aim.	Appropriate reflections lead to clear musical improvements.	
\odot	competent	Showing necessary ability , knowledge or skill to complete portfolio successfully.	Competent planning that demonstrates incremental and sequential progression	
23	comprehensive	Work is well developed and thorough . All compositional and sonic features are considered in detail .	Comprehensive planning that demonstrates defined logical progression	
2	effective	Applying relevant knowledge, understanding and skills to a task, producing a successful outcome.	Effective development of musical content/material in line with creative intentions.	
23	perceptive	Showing a deep level of understanding .	Perceptive reflections lead to highly effective musical improvements.	

Exploring Music Products and Styles: Glossary of Compositional and Sonic Features

Image	Musical term	Definition	Where we might find it	
	harmony	How chords are used	Compositional feature In West African traditional vocal music people often sing in harmony	
	melody	The combination of pitch and rhythm (tune)	Compositional feature Melody can be disjunct (moving in leaps) or conjunct (moving in steps)	
	tonality	The key/main scales of a piece and how (if) it changes	Compositional feature The tonality of the Exorcist theme is minor, whereas the tonality of "One Love" by Bob Marley is major	
	rhythm	The combination of different note durations	Compositional feature Rhythm is an important feature of West African Djembe music	
	structure	The different sections of music and how they are laid out	Compositional feature The structure of most Britpop songs is intro/Verse/Chorus	
	instrumentation	The instruments playing and how they are playing	Sonic feature The instrumentation of the famous Jaws theme is Double Bass/Low Strings	
	production	How sound is manipulated with technology	Sonic feature Britpop production techniques were basic compared to nowadays because they did not rely on computers	
	texture	How the layers of sound are arranged (Thick=many layers/Thin-one or few layers)	Sonic feature The texture of Bob Marley's "Three Little Birds" is melody plus accompaniment	
	timbre	The specific quality of a sound	Sonic feature The Marimba has a wooden, mellow timbre	

Y11 Tech Award in Music Practice Component 2: Mark Scheme

	Marking Grid Learning Aim A		Marking Grid Learning Aim A
10-12	 Comprehensive planning that demonstrates defined logical progression and iterative sequence for effective improvement of musical skills and technique. Plans are purposeful and focused, demonstrating an in-depth analysis of developmental needs in line with intentions. 	10-12	 Developmental processes are applied securely and are effective in improving skills and techniques. Technical exercises are purposeful and effective in their links to developmental and intended outcomes.
7-9	 Competent planning that demonstrates incremental and sequential progression for appropriate improvement of musical skills and technique in line with intentions. Plans are clear and structured, demonstrating competent analysis of musical skills and technique in line with intentions. 	7-9	 Developmental processes are applied appropriately and are competent in improving skills and techniques, Technical exercise are appropriate and clear in their links to developmental and intended outcomes.
4-6	 Adequate planning that demonstrates indiscriminate and/or non-sequential progression and sequence for sufficient improvement of musical skills and techniques in line with intentions. Plans are straightforward and sufficient, demonstrating some analysis of developmental needs in line with intentions 	4-6	 Developmental processes are adequately applied, with some improvement of skills and techniques. Technical exercises have partial links to development and intended outcomes.
1-3	 Limited planning that demonstrates tentative progressions and organisation for the basic improvement of musical skills and techniques in line with intentions. Plans are basic and superficial, demonstrating a limited analysis of developmental needs in line with intentions. 	1-3	 Development processes are superficially applied, with limited improvement of skills and techniques. Technical exercises have superficial links to development and intended outcomes.

Y11 Tech Award in Music Practice Component 2: Mark Scheme

Mark	ing Grid Learning Aim B	Mark	ing Grid Learning Aim B	Mark	ring Grid Learning Aim B
10-12	 Effective refinement of musical skills through application to intended musical outcomes. Perceptive reflections lead to highly effective musical improvements. 	10-12	 Effective development of musical content/material in line with creative intentions. Musical content is effective and stylistically accurate. 	10-12	 Professional skills are purposefully applied and effectively develop musical skills. Professional skills for the music industry are consistently applied with assurance throughout the development process.
7-9	 Competent refinement of musical skills through application to musical outcomes. Appropriate reflections lead to clear musical improvements. 	7-9	 Competent development of musical content/material in line with creative intentions. Musical content is competent and mostly stylistically accurate. 	7-9	 Professional skills are appropriately applied and mostly develop musical skills. Professional skills for the music industry are appropriately applied throughout the development process.
4-6	 Adequate refinement of musical skills through application to musical outcomes. Straightforward reflections lead to some musical improvements. 	4-6	 Adequate development of musical content/material in line with creative intentions. Musical content is adequate and partially stylistically accurate. 	4-6	 Professional skills are adequately applied and partially develop musical skills. Professional skills for the music industry are partially applied throughout the development process.
1-3	 □ Limited refinement of musical skills throughout application to musical outcomes. □ Basic reflections lead to superficial music improvements. 	1-3	 Limited development of musical content/material in line with creative intentions. Musical content is limited and tentatively stylistically accurate. 	1-3	 Professional skills are superficially applied and tentatively develop musical skills. Professional skills for the music industry are tentatively applied throughout the development proves.

Previously

Development: How do Children learn and develop?

Development:

How do children learn and develop?

Big Idea: Bias

What forms of bias exist within psychology?

Next

Memory: How do we recall past events?

Topic 1 - Planning research

Hypothesis

Variables

Ethics

Sampling

Topic 2 - Doing research (experiments)

Designs

Methods

Strengths and weaknesses

Topic 3 - Doing research (self report

Open questions

Closed questions

Structures interviews

Unstructured interviews

Questionnaires

Topic 4 - Doing research (observation)

Overt

Covert

Participant

Non-participant

Naturalistic

Controlled

Topic 5 - Doing research (Case studies and correlations)

Case studies

Correlational data

Topic 6 – Analysis data

Types of data

Tables, Charts, and Graphs

Reliability

Validity

Bias

Operationalise

Ecological validity

Social desirability

Demand characteristics

correlation

Bias

Knowledge check

<u>Planning research</u>

I can recognise and write different types of hypothesis

- Alternate
- > Null
- One tailed
- > Two tailed

I can recognise and define different variables

- > IV
- > DV
- > Extraneous variables

I can explain different sampling methods

- > Random sampling
- > Stratified sampling
- Opportunity sampling
- Volunteer sampling

I can evaluate

> Different sampling methods

I can describe code of ethics

- Debrief
- > Right to withdraw
- > Informed consent
- Protection from psychological/physical harm
- ➤ Privacy

Doing research

I can describe how experiments work

- Designs (repeated measures and independent groups)
- > Types (Lab/Field/Natural)

I can evaluate experiments

- Designs
- > Types

I can describe how interviews work

- > Structured
- > unstructured

I can evaluate interviews

- Structured
- ➤ Unstructured

I can describe how questionnaires work

Open/closed questions

I can evaluate questionnaires

- Designs
- > Types

I can describe how Observations work

- > Participant vs non-participant
- ➤ Covert vs overt
- Naturalistic vs controlled

I can evaluate Obsevrations

- > Participant vs non-participant
- Covert vs overt
- Naturalistic vs controlled

<u>Analysis</u>

I can describe Types of data

- > Quantitative vs qualitative
- > Primary vs secondary

I can evaluate

- > Quantitative vs qualitative
- > Primary vs secondary

I can describe Descriptive stats

- ➤ Mean
- ➤ Mode
- ➤ Media
- > Range

I can describe different tables, charts and graphs

- > Tally chart
- > Bar chart and pie charts
- Histograms, line graphs, scatter diagrams

I can describe Reliability

- > Internal reliability
- > External reliability
- > Interrater reliability

I can describe Validity

- Ecological validity
- > Population validity
- > Construct validity

I can define and describes

Demand characteristics, Observer effects, social desirability.

Topic 1 - Planning research

Hypotheses: A hypothesis (plural hypotheses) is a precise, testable statement of what the researchers predict/s will be the outcome of the study.

Null Hypotheses: A null hypothesis is a statement that predicts no difference or correlation in the findings.

Alternate Hypotheses: An alternate hypothesis is a statement that predicts a difference of correlation in the findings.

There are 3 key things to include when writing a hypothesis

- 1. Include both conditions (of IV)
- 2. Include the DV
- 3. Operationalise variables

E.g. Students writing in purple ink will score higher than students writing in black ink in a psychology mock exam.

Variables

IV – independent variable (something which is changed)

DV – dependent variable (something which is measured)

Extraneous variables (Variables that must be controlled)

Co-variables – two measured variables

Standardisation – keeping variables the same across conditions

Ethics



R – Right to withdrawl

I – Informed consent

P - Protection from harm (psychological and physical)

P - Privacy



<u>Sampling</u>

Random – everyone has an equal chance of selection

Opportunity – Use the most accessible/available people

Volunteer/self selection – participants choose to select themselves

Topic 2 – Doing research (experiments)

Experimental methods

Laboratory – the IV is under the experimenter's control and the experiment takes place in a controlled/artificial environment

Field - the IV is under the experimenter's control and the experiment takes place in an uncontrolled/natural environment

Natural – The experimenter does not control the IV, but instead takes advantage of a naturally occurring variable.

Experimental design

1) Independent measures
Participants only complete 1 condition

10 participants

• Condition 1

10 participants

• Condition 2

2) REPEATED MEASURES

All of the participants take part in BOTH conditions of the independent variable.



The participants repeat the experiment whilst taking part in all of the conditions.

Evaluation

Lab experiment = + control over variables – ecological validity

Field experiment = + ecological validity – control over variables

Natural experiment = +ecological validity – difficult to repeat

Topic 3 – Doing research (self report)

Interviews

Structured – preset questions

+ Reliable and easy to analysis

Unstructured – no preset questions

+ Greater validity and the interview can build a rapport.

Questionnaires

Open questions – questions with unlimited possible answers

E.g. How do you feel about revision?

Closed questions – questions with a limited range of response

E.g. Did you revise for the mock exam?

Rating scales – Questions with a set range of answers

E.g. How long did you revise for the mock exam?

1) Less than an hour 2) 1-2 hours 3) more than 2 hours

Self report evaluation

Social desirability – When participants change their responses to fit with social expectations

Leading questions – When the way the interview phrases a question influences the response the participant gives

Topic 4 – Doing research (Observation)

Overt vs covert

Covert observations – The participants are aware they are being watched

+ Participants do not change their behavious (reduced demand characteristics)

Overt observations – The participants are *no* aware they are being watched

+ It is possible to get informed consent (ethical)

Participant vs non-participant

Participant observation – The observer engages in the behaviour they are watching

+ The observer gains greater insight (validity)

Non-participant observation – The observer does not engage in the behaviour they are watching

+ The observer can maintain objectivity)

Naturalistic vs controlled

Naturalistic behaviour— The observation takes place in the context where the behaviour would normally occur

+ Ecologically valid)

Controlled observation – The observation takes place in a controlled (lab) environment

+ Greater control over extraneous variables

Topic 2 – Doing research (Case studies and Correlation)

Case studies

Case study – an in depth study of one person/group/instance/institution

Case studies will typically use a wide range of methods (including experiments, observations, interviews, and questionnaires).

Case studies typically involve exceptional cases e.g.

A patient with a disorder or rare brain damage.

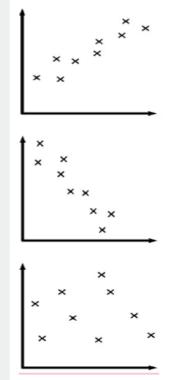
- + Provide rich/in depth data
- + ecologically valid
- Unrepresentative of neurotypical people
- Difficult to repeat

Correlation

Correlation – Correlational research involve measuring two variables to find a relationship.

Correlational data will be plotted onto a scattergram and a line of 'best fit' will be drawn.

If the line goes diagonally upwards, this is a positive correlation. Diagonally downwards will be a negative correlation. If is difficult to draw a line of best fit, there is no correlation.



Topic 6 – Analysis data

<u>Data</u>

Key term	Definition
Qualitative data	Typically descriptive data.
Quantitative data	Data that can be measured and written down with numbers.
Primary Data	First-hand information that has been collected by the researcher for the purpose of their study.
Secondary data	The researcher uses pre-existing data. The data could have been from a newspaper, diary entry or even data collected by another researcher or study.

<u>Bias</u>

Gender Bias	The emphasis of the study is more inclined to one gender.
Cultural Bias	The emphasis of the study is more inclined to one ethnicity/culture.
Age Bias	The emphasis of the study is more inclined to a certain age group.
Experimenter bias	The researcher influences the results in order to portray a certain outcome.
Observer bias	Observer bias occurs when the observers' biases/personal inclinations determine which behaviours they choose to observe.

Reliability and validity

Reliability = consistency of measures (will you get the same result each time?)

Validity = the accuracy of measures (are you measuring what you claim to be measuring?)

Planning Dictionary: Tier 3

Image	Word	Definition	In a sentence
×y	Extraneous variable	A variable (other than IV) that might affect DV	Weather could have been an extraneous variable in Bickman's study.
	Hypothesis	A testable statement or prediction	A good hypothesis should refer to both IV and DV or both co variables.
	Null hypothesis A pred differe		Bickman's null hypothesis was that uniform would not affect obedience
	Alternate hypothesis	A predction that there will be a difference or correlation	Bickman's hypothesis was that the guard would be obeyed more often than the civilian.
×y	Independent variable	The variable that is manipulated	Bickman's IV was the uniform worn by the confederate.
	Sample	The people being studied	Bickman used an opportunity sample.
Variable		Something that changes	Experiments have an independent and dependent variable.

Subject/Topic Dictionary: Tier 3

Image Word		Definition	In a sentence	
Competence		'Psychologists value the continuing development and maintenance of high standards of competence in their professional work, and the importance of preserving their ability to function optimally within the recognised limits of their knowledge, skill, training, education, and experience.'	A psychologist has a duty to uphold a level of competence.	
Generalisability		The extent to which the findings of a study apply beyond the research.	Bickman's study is not generalisable as the sample only included Americans.	
	Integrity	Psychologists value honesty, accuracy, clarity, and fairness in their interactions with all persons, and seek to promote integrity in all facets of their scientific and professional endeavours.	Honesty is a key aspect of integrity	
	Opportunity	A random method where the most accessible or easily found people are chosen as the participants.	Bickman conducted an opportunity sample.	
	Random sample	A sample where everyone in the population has an equal chance of selection.	One way to conduct a random sample is to	
4	Respect	'Psychologists value the dignity and worth of all persons, with sensitivity to the dynamics of perceived authority or influence over clients, and with particular regard to people's rights including those of privacy and self-determination'	Psychologists must show respect to their participants	
	Self-selected sample	A sample method in which participants volunteer themselves	Zimbardo conducted a self-selected sample	

Subject/Topic Dictionary: Tier 3

Image Word		Definition	In a sentence
	Case study	An in-depth study of one group, individual, or instance.	HM was a famous case study.
	Experiment	An study that measures the impact of IV on DV	Bickman conducted an experiment.
	Field	An experiment that takes place in a natural context.	Bickman conducted a field experiment in New York.
?	Interview	An interview is a conversation where questions are asked and answers are given.	Interviews can be structured or unstructured.
	Lab experiment	An experiment that takes place in an artificial environment.	Cooper and Mackie conducted a lab experiment.
Natural experiment		An experiment where the IV naturally occurs.	Piaget used natural experiments
Observation		Observing of participants behaviour through controlled or uncontrolled conditions.	Observations can be participant or non participant.

Subject/Topic Dictionary: Tier 3

Image	Word	Definition	In a sentence
	Demand characteristics	A subtle cue that makes participants aware of what the experimenter expects to find or how participants are expected to behave	Piaget is criticised for demand characteristics
5	Observer effects	Refers to subjects altering their behaviour when they are aware that an observer is present.	Observer effects can be avoided by using a covert observation
	Internal reliability	The method of measuring the external consistency of a test. This method is carried out by different "raters" giving consistent estimates/measures of behaviour	Lab experiments have high internal reliability.
	External reliability	Refers to the extent to which a measure varies from one use to another.	Replication is an indicator of high external reliability.
	Construct validity	Ability of a measurement tool to actually measure the psychological concept being studied.	IQ lacks construct validity as it might not measure genuine intelligence.
	Refers to the extent to which the findings of a research study are able to be generalised to real-life settings. Lab exp		Lab experiments lack ecological validity.
	Population validity	How representative the sample used is to the entire population.	The more representative the sample, the high population validity.

Spanish | Holidays | Topic Dictionary

Image	Key Word	Definition	In a Sentence
	un museo	museum	Me encanta visitar el museo del Louvre porque es muy entretenido
	una oficina de turismo	tourist office	La información se puede encontrar en la oficina de turismo
***	al lado del mar	By the seaside	Todos los veranos voy de vacaciones a la playa.
	un bosque	forest	Durante las vacaciones doy un paseo por el bosque.
	una isla	island	El año que viene voy a viajar a las islas griegas.
DØO	un campo deportivo	sports field	En mi colegio hay un campo deportivo.
	una campaña	countryside	Prefiero las vacaciones en el campo.
2 / 3	un camping	campsite	Las vacaciones en camping son geniales
Zim Z	un hotel	hotel	Mi hotel es muy moderno y también bastante cómodo.
<u></u> φ.φ.	un pueblo	village	Visité un pueblo histórico con mi familia.
	las vacaciones de verano	summer holidays	Durante las vacaciones de verano viajamos a Estados Unidos.

Spanish | Holidays | Sentence Builder 1

Add a tme marke verb	er and a	destination	1	Who with?	Rea	ison	Add a Past	tense		And a reason
Normalmente (Normally) Generalmente (Usually) Todos los años (Every year) En verano (In summer) En Agosto (In August) En primavera (In spring) En invierno (In winter) En otoño (In autumn) Durante las vacaciones	voy (I go) mi amigo (a) va (he/she goes) viajo (I travel) viaja (he/she travels)	a Paris (to Paris) a Madrid a Roma a Lisboa a Nueva York en tren (by train) en barco (by boat) en avión (by plane) en coche (by car) en autocar (by coach) en bicicleta (on a bike) en moto (on a	plane) más cómodo que el aut	ery long journey) In (less expensive than the	pero (but)	el año pasado (last year)	fui (I went) fue (he / she went) viajé (I travelled) viajó (he/she travelled)	a Paris (to Paris) a Madrid a Roma a Lisboa a Nueva York en tren (by train) en barco (by boat) en avión (by plane) en coche (by car) en autocar (by coach) en bicicleta (on a bike) en moto (on a	(muy (very) rápido barato cómo genia prácti un via journe	co (cheap) do (comfortable) I (great) co (practical) je muy largo (a very long
escolares (During the school holidays) En Paris (In Paris) En Madrid En Roma En Lisboa En Nueva York	se puede (we can) no se puede (we cannot)	ir de compra: hacer natacie water skiing / pasearse (go usar la piscin relajarse (relc tomar el sol e	a al aire libre (use the outo ix) n la playa (sunbathe) ico / una novela de avent	ocar (it's more bach) own-centre) / windsurf (go swimming /			se podía (we could) no se podía (we couldn't)	ir de compras (go hacer natación / e swimming / water : pasearse (go for a	exper la ciud shoppir esquí ac skiing / s walk) iire libre	uático / vela / windsurf (g sailing / windsurfing) (use the outdoor swimmin

Spanish | Holiday activities and 3 tenses | Sentence Builder 2

	—	Durante las	hace calor (it is hot)	nado en el mar (I sw	vim in the sea)		todos los días. (every day)	Lo paso bien! (I have a good time!)
	PRESENT	vacaciones,	hace fresco (it is cool)	tomo el sol (I sunbat	the)		cada día. (every day)	Tengo un tiempo maravilloso! (I have a
	SE	cuando	hace frío (it is cold)	voy de paseo (I go I	hiking)		cada mañana. (every morning)	wonderful time!)
	8	(On holiday, when)	hace buen / mal tiempo	hago piragüismo (I (go kayaking)		ν, , σ,	Lo paso bomba! (I have a blast!)
	_		(the weather is nice/bad)	voy de campament	o (I go camping)		cada tarde. (every afternoon)	Es increíble! (It is incredible!)
			hace sol (it is sunny)	voy de compras (I g	o shopping)		cada tarde. (every evening)	Lo paso mal! (I have a bad time!)
			hace viento (it is windy)				cuando puedo. (whenever I can)	Lo paso fatal! (I have an awful time!)
			está nublado (it is foggy)				·	Es horrible! (It is dreadful!)
			hay nubes (there are				a veces. (from time to time)	Es un desastre! (It is a disaster!)
		El año próximo, si	clouds)	iré de escaparates ((I will go window shopping)		una vez a la semana. (once a week)	Lo pasaré bien! (I will have a good time!)
ŀ	PASI	(Next year, if)	hay tormenta (there are	haré windsurf (I will g	go windsurfing)		dos veces al día. (twice a day)	Tendré un tiempo maravilloso! (I will have a
	₹		storms)	haré una excursión	en autocar (I will go on a co	oach	, , , , ,	wonderful time!)
,	-		llueve (it rains)	trip)				Lo pasaré bomba! (I will have a blast!)
			nieva (it snows)	haré esquí acuático	(I will go water skiing)			Será increíble! (It will be incredible!)
				visitaré muchos mor	numentos históricos (I will vis	it lots of		Lo pasaré mal! (I will have a bad time!)
				historic monuments)				Lo pasaré fatal! (I will have an awful time!)
				tomaré muchas foto	os (I will take lots of pictures))		Será horrible! (It will be dreadful!)
								Será un desastre! (It will be a disaster!)
	FUTURE	El año pasado, durante las vacaciones, como (Last year, during the holiday, as)	hacía fresco (it was cool) hacía frío (it was cold) hacía buen / mal tiempo (the weather was		todos los días. (every day) cada día. (every day) cada mañana. (every morning) cada tarde. (every evening) a veces. (from time to time)	tomé el fui de po hice piro fui de co fui de es hice win hice uno trip) hice esquisité mu historic r	lel mar. (I swam in the sea) sol. (I sunbathed) aseo. (I went hiking) aguismo. (I went kayaking) ampamento. (I went camping) amparas. (I went shopping) caparates. (I went window shopping) dsurf. (I went windsurfing) a excursión en autocar. (I went on a coach suí acuático. (I went water skiing) achos monumentos históricos. (I visited lots of monuments) uchas fotos. (I took lots of pictures)	Lo pasé bien! (I had a good time!) Tuve un tiempo maravilloso! (I had a wonderful time!) Lo pasé bomba! (I had a blast!) Fue increíble! (It was incredible!) Lo pasé ma!! (I had a bad time!) Lo pasé fata!! (I had an awful time!) Fue horrible! (It was dreadful!) Fue un desastre! (It was a disaster!)

Spanish | Photo Card | Skills Guide

Success Criteria:

- Have you described what you can see in the photo?
- PALM to add a range of details?
- □ Have you linked your ideas with straightforward connectives?
- □ Have you given your opinion about the activity?
- Have you given a variety of reasons?
- Use the **Present tense** to say what
 people are doing

Step 1: Describe what you can see in the photo

Step 2: Give an opinion about the activity

En la foto hay... (in the photo there is...)
En la foto puede ver... (in the photo I can see...)

☐ Who?

People

- una mujer/una chica (a woman/girl)
- un hombre/un chico (a man/boy)
- una familia/un grupo (a family / group)
- unos estudiantes (some students)

☐ What are they doing?

Action

- están caminando (they are walking
- **están hablando** (they are talking)
- está(n) sonriendo (they are smiling)

☐ Where?

Location

Están en ... (They are in...)

- la ciudad (the city)
- la playa (the beach)
- las montañas (the mountains)
- **un restaurante** (a restaurant)
- **el parque** (the park)
- casa (at home)

☐ What is the mood?

Mood

- son felices (they are happy)
- hace buen tiempo (it is good weather)
- hace mal tiempo (it is bad weather)

Describe esta foto <u>y</u> da tu opinión sobre salir con amigos



Model answer

Description: En la foto hay un grupo de cinco amigos. También hay tres chicas y dos chicos. Puedo ver que están sonriendo y pienso que están en la playa. Finalmente, son muy felices.

Opinion: A mi modo de ver, me encanta viajar con amigos porque es entretendio y me hace reír, aunque a veces es un poco agotador.

☐ Start with an opinion phrase

- En mi opinión (In my opinion)
- A mi modo de ver (In my opinion)
- Pienso que / Creo que (I think that)
- Según yo (according to me)

☐ Give a positive opinion

- es divertido / entretenido (it is fun / entertaining)
- **es relajante / emocionante** (it is relaxing / exciting)
- me hace feliz / reír (it makes me happy / laugh)

☐ Link with a connective(s)

- también / aunque (also / although)
- **sin embargo / pero** (however / but)

☐ Give a negative opinion

- es aburrido / desagradable (it is boring / unpleasant)
- **es agotador / monotono** (it is tiring / dull)
- **me hace triste** (it makes me sad)

Spanish | School uniform | Topic Dictionary

Image	Key Word	Definition	In a Sentence
	un abrigo	a coat	No tengo un abrigo .
	una camisa	a shirt	Llevo una camisa blanca.
	una chaqueta	a jacket	Se debe llevar una chaqueta.
	unos calcetines	socks	Mis calcetines son blancos.
	una corbata	a tie	No me gusta llevar una corbata.
	una falda	a skirt	Las chicas puede llevar una falda.
	un jersey	a jumper	Si hace frío, llevo un jersey.
	unos pantalones	trousers	A veces llevo unos pantalones .
2	un vestido	a dress	No se puede llevar un vestido .
	unas zapatillas de deporte	trainers	Prefiero llevar unas zapatillas de deporte .
53	unos zapatos	shoes	Mis zapatos son negros.

Spanish | Regular tenses

PRESENT TENSE		HABL	<u>AR</u>	BE	B <u>ER</u>	VIV	
Yo (I) hab		hablo		be	ebo	vivo	
Tú (You sing)	habla	S	be	ebes	vives	
Él/Ella (He/s	he/it)	habla		be	ebe	vive	
Nosotros/as	(We)	habla	mos	be	ebemos	vivimo	OS
Vosotros/as (You		hablá	is	be	eb <mark>éis</mark>	vivís	
Ellos/Ellas (T	hey)	habla	n	be	eben	viven	
IMPERFECT T	ENSE	HABLAR		BE	B <u>ER</u>	VIV <u>IR</u>	
Yo (I)		habl <mark>aba</mark>		be	:b <mark>ía</mark>	viv <mark>ía</mark>	
Tú (You sing)	hablabas		be	ebías	vivías	
Él/Ella (He/s	he/it)	habl <mark>aba</mark>		be	bebía vivía		
Nosotros/as	(We)	hablábamos		be	bíamos	vivíamos	
Vosotros/as (Y	(ou pl)	habla	bais	be	beb <mark>íais vivíais</mark>		
Ellos/Ellas (T	hey)	habla	ban	be	bían	vivían	
Present Contin	nuous		HABL <u>AR</u>		BEB <u>ER</u>		VIV <u>IR</u>
Yo	estoy						
TúestásÉl/EllaestáNosotros/asestamos							
			- ANDO		- IENDO		- IENDO
		S					
Vosotros/as	estáis						
Ellos/Ellas	están						

PAST TENSE	HABL <u>AR</u>	BEB <u>ER</u>	VIV <u>IR</u>
Yo (I)	hablé	bebí	viví
Tú (You sing)	hablaste	bebiste	viviste
Él/Ella (He/she/it)	habló	beb <mark>ió</mark>	vivió
Nosotros/as (We)	hablamos	bebimos	vivimos
Vosotros/as (You	hablasteis	bebisteis	vivisteis
Ellos/Ellas (They)	hablaron	bebieron	vivieron

FUTURE TENSE	HABL <u>AR</u>	BEB <u>ER</u>	VIV <u>IR</u>
Yo (I)	hablaré	beberé	viviré
Tú (You sing)	hablar <mark>ás</mark>	beber <mark>ás</mark>	vivir <mark>ás</mark>
Él/Ella (He/she/it)	hablará	beberá	vivirá
Nosotros/as (We)	hablaremos	beber <mark>emos</mark>	viviremos
Vosotros/as (You pl)	hablar <mark>éis</mark>	beber <mark>éis</mark>	vivir <mark>éis</mark>
Ellos/Ellas (They)	hablar <mark>án</mark>	beberán	vivir <mark>án</mark>

Use a range of tenses to elevate your work and get a higher grade!

Spanish | Irregular tenses

PRESENT TENSE	estar	ser	tener	ir	hacer
Yo	estoy	soy	tengo	voy	hago
Tú	estás	eres	tienes	vas	haces
ÉI/Ella	está	es	tiene	va	hace
Nosotros/as	estamos	somos	tenemos	vamos	hacemos
Vosotros/as	estáis	sois	tenéis	vais	hacéis
Ellos/Ellas	están	son	tienen	van	hacen

FUTURE TENSE	tener	hacer	
Yo	tendré	haré	
Tú	tendrás	harás	
ÉI/Ella	tendrá	hará	
Nosotros/as	tendremos	haremos	
Vosotros/as	tendréis	haréis	
Ellos/Ellas	tendrán	harán	

PAST TENSE	estar	ser	tener	ir	hacer
Yo	estuve	fui	tuve	fui	hice
Tú	estuviste	fuiste	tuviste	fuiste	hiciste
Él/Ella	estuvo	fue	tuvo	fue	hizo
Nosotros/as	estuvimos	fuimos	tuvimos	fuimos	hicimos
Vosotros/as	estuvisteis	fuisteis	tuvisteis	fuisteis	hicisteis
Ellos/Ellas	estuvieron	fueron	tuvieron	fueron	hicieron

IMPERFECT	ver	ser	ir
Yo	veía	era	iba
Tú	veías	eras	ibas
ÉI/Ella	veía	era	iba
Nosotros/as	veíamos	éramos	íbamos
Vosotros/as	veíais	erais	ibais
Ellos/Ellas	veían	eran	iban

Choose the correct answer:

- a. (Yo) **Tenemos / Tengo** los ojos verdes.
- b. (Tú) **Tienes / Tiene** los ojos azules.
- c. (Él) **Tiene / Tienen** el pelo corto.
- d. (Ella) **Tienen / Tiene** el pelo rizado.
- e. (Nosotros) Tengo / Tenemos los ojos azules.

Choose the correct answer:

- a. (Yo) Soy / Sois muy alta.
- b. (Tú) **Eres / Somos** un poco bajo.
- c. (Él) **Son / Es** demasiado amable.
- d. (Vosotros) **Eres / Sois** bastante perezosos.
- e. (Ellos) **Son / Es** demasiado deportistas.

Spanish | My School and School Rules | Skills Guide

Have you used..

1. a verb?		2. a noun?	3. a connective?	4. An opinion phrase?	5. a verb?	6. an intensifier?	7. an adjective?
Me encanta(n) (I love) Me gusta(n) (I like) No me gusta(n) (I don't like)	el inglés(english) el español (spanish) el francés (french) la historia (history) la geografía (geography) la informática (it) el dibujo (art) la educación física (pe) el teatro (drama) la música (music)		porque (because) pero (but) y (and) sin embargo (however)	pienso que / creo que (I think that) diría que (I would say that) según yo (according to me) a mi modo de ver (in my opinion)	es (it is)	(very) bastante (quite) realmente (really) un poco (a bit)	divertido/a(s) (fun) entretenido/a(s) (entertaining) interesante(s) (interesting) fácil(es) (easy) difícil(es) (difficult) útil(es) (useful) inútil(es) (useless)
Odio (I hate)	la	matemáticas (maths) s ciencias (science) fe de (my teacher)		encuentro que (I find that)	son (it is/they are) es (he/she is)		estricto/a (strict) amable (kind) gracioso/a (funny)
En mi colegio (At my school) se debe (you/one must) En nuestro colegio (at our school) se puede (you/one can)		charlar en clase beber en clase (correr en el pasi decir palabrotas	drink in lessons) (Io (run in the corridors) (swear) rofes (listen to the teachers)	nt)		Example: Me encantan las ciencias porque según yo son muy entretenidas.	
En mi opinión es (In my opinion it is) Lo encuentro (I find it)		un poco (a little) bastante (quite) molesto (a		gico (logical) / necesario (necessary) / razonable bying) / frustrante (frustrating) / injusto (unfair) ridiculo lútil (pointless)		(I love Science because according to me it's very entertaining)	

Spanish | My Future plans | Skills Guide 2

	ía ser (When I was little, I wanted to be) eño (a), quería ser (When my friend was little,	pero ahora me gustaría ser (but now I would like to be) pero ahora le gustaría ser (but now he / she would like to be)	
médico(a) (a doctor) cirujano(a) (a surgeon) enfermero / enfermera (a nurse) dentista (a dentist)	peluquero / peluquera (a hairdresser) esteticista (a beautician) contable (an accountant) dependiente / dependienta (a shop assistant)	entrenador personal (a personal trainer) granjero / granjera (a farmer) policía (a police officer) receptionista (a receptionist)	mecánico (a mechanic) periodista (a journalist) maestro / maestra de escuela primario (a primary school teacher) profe (a secondary school teacher)
Entonces, el año que viene, (no to study)	b) voy a estudiar (So next year I am (not) going	Entonces, si tengo buenas notas, voy	a (So if I have good results, I am going
ciencias (science) arte (art) matemáticas (maths) geografía (geography) tecnología (technology) música (music) religión (RE)	francés (French) dibujo (art) deporte (PE) historía (history) español (Spanish) inglés (English) informática (computing) arte dramático (drama)	continuar con mis / sus estudios (continue with my / his-her studies) encontrar un trabajo (find a job) hacer un aprendizaje (do an apprenticeship) hacer el bachillerato (take the A Level) tomar un año sabático (take a gap year) ir a la universidad (go to uni)	
	porque (because) / ya que (because) / dado d	que (since) / pero (but) / sin embargo (however)
será (it will be) no será (it won't be)	una experiencia fascinante. (a fascinating experience) útil y bastante interesante. (useful and quite interesting) mi / su pasión. (my / his-her passion) una perdida de tiempo. (a waste of time) útil para mi / su futuro. (useful for my / his-her future)	divertido (a) (fun) fantástico (a) (fantastic) entretenido (a) (entertaining) increíble (incredible) asombroso (a) (amazing) fácil (easy) fascinante (fascinating) relajante (relaxing)	demasiado difícil. (too difficult) monótono (a) (repetitive) muy caro (a) (very expensive) aburrido (a) (boring) malo (a) (rubbish)
tengo notas increíbles (I have o tengo buenas notas (I have goo progreso adecuadamente (I m	od grades)	siempre pongo mucho esfuerzo (I alv es (muy / muy / un poco/ bastante / (it's (really / very / a bit / rather / too	demasiado / bastante) interesante

French | Speaking | Exam Style question

2. ¿Qué actividades extraescolares haces? Cuando lo haces?

¿Porque te gusta? (Me gusta porque es...)

3. ¿ Qué hiciste recientemente?

Mi passion es –l am passionate about	el deporte / el arte/ la musica
Los Lunes –on Mondays A la hora de comer At lunch time Despues el insti –after school	JuegoI play TocoI play Voy al club / a clases deI go to the club / to classes
Soy miembro –I am a member	Del club / equipo de natacion –of the swimming club
Es	Divertido / emocionante / relajante
Te ayuda a –it helps you	aprender cosas nuevas –to learn new things Hacer nuevos amigos –many new friends Ser creative –a –be creative
Participé al participated Organicé I organised	Un concierto / un espectaculo Una competicion / una exposicion
Jugué un Partido	Gané un trofeo –l won a prize

Spanish | Writing: the 20 marker | Skills Guide

Exam question: Write to your friend about your school. You must include:

- description of your school day
- your opinion of subjects with reasons
- how you got to school last week
- what you are going to do after school today

Hola Maria,

<u>Bullet Point 1:</u> Te voy a contar sobre mi colegio. La semana pasada me resultó un poco difícil. El lunes, en clase de matemáticas, me reí durante un examen y ¡la profesora no estaba muy contenta!

<u>Bullet Point 2:</u> Creo que soy bueno en francés pero, lamentablemente, el profesor no está de acuerdo. El miércoles pasado dijo que no soy lo suficientemente trabajador. ¡Es injusto!

Bullet Point 3: Luego, el viernes por la mañana, el autobús llegó tarde, así que llegué tarde al colegio **Bullet Point 4**: ¡Yo diría que no me gusta ninguna materia en el colegio! Voy a dedicar mi tiempo a hacer deporte. No voy a hacer mis tareas y muchas veces juego en mi celular mientras veo televisión.

	Challenge checklist:
A	 Past, present and future timeframes Connectives, time phrases Extended sentences (e.g. avec, dans) Opinion phrases
	 A wide range of tenses Different persons of the verb (e.g. il /elle) Justified opinions / reasons Negatives (nepas / nejamais) Ambitious vocabulary
444 444	 Phrases with more than one tense Infinitive phrases (J'aimerais +inf) Complex phrases Positive and negative statements

Challenge: Translate into French:

I like my school and my teachers. My favourite subject is maths because it is fun. I always do my homework in the evening. Last month I went to the museum with my history class. It was quite boring. Next year I want to continue to learn English because it will be very important for my future.

History | Crime and Punishment in Early Modern England, c.1500-c.1700 | Topic Dictionary

Image	Key Word	Definition	In a sentence
	authority	Noun: A word used to describe the people who have the power to make decisions	I wish I had the authority to change some rules in the country.
<u>∞</u>	branding	Noun: A punishment where a mark was made on a criminal by burning their skin with a hot iron	One of the most painful punishments was branding .
Ş	capital crime	Noun: a crime that is punished by with the death penalty.	High treason was a capital crime .
Š	capital punishment	Noun: Legally killing someone as punishment for a crime they have committed.	In the UK capital punishment no longer exists.
4444	civil war	Noun: a war fought between two sides from the same country.	In England there was a civil war between 1642-1651
	clergy	Noun: People who work for the church	A priest or bishop is an example of a member of the clergy .
	Constable	Noun: an official responsible for law enforcement in a village or local area	If you were a constable you were in charge of the nightwatchmen.
大	corporal punishment	Noun: The punishment of people by beating them	Corporal punishment used to be legal in schools in the UK.
CRIME GINE THE CRIME	crime	Noun: An action for which you can be punished by law	It would be a crime to steal some food from that shop.
	deterrence	Noun: Discouraging something by creating a feeling of fear	Severe punishments act as a deterrence to others.
	enclosure	Noun: land fenced off so only the landowner can use it.	Lots of people ended up in poverty due to enclosure.
<u>;;;</u> <u>000</u>	Enlightenment	Noun: philosophical movement of the 17 th and 18 th centuries that focused on the use of reason to question ideas that were previously accepted.	During the Enlightenment people started to question the importance of religion.

History | Crime and Punishment in Early Modern England, c.1500-c.1700 | Topic Dictionary

Image	Key Word	Definition	In a sentence
	excommunicate	Verb: To be rejected by the Catholic Church	If you are excommunicated it means you will not get into Heaven.
٥	execution	Noun: Killing someone as punishment for a crime	Execution is another way of saying capital punishment.
\$ **	heresy	Noun: A set of beliefs different from the established religion	If you were accused of heresy , you could be executed.
	high treason	Noun: plotting to kill the King	If you committed high treason you would be given the death penalty.
%	Import Duties	Noun: taxes payable on goods imported into the country.	Import Duties vary depending on the item you are importing.
	Justice of the Peace (JP)	Noun: Senior judges who kept order in unruly areas	You would have to wait a long time for the Justice of the Peace to reach your village.
LAW LAW	law	Noun: The system of rules developed by the government of a country	It is really important that people follow the law .
À	law enforcement	Noun: Making sure the law is obeyed	Law enforcement has greatly developed over the last 1,000 years.
*	maiming	Verb: To cause physical harm to someone	An example of maiming someone is cutting off their hand.
V	martyr	Noun: Someone who suffers or dies for their beliefs	Lots of people who Mary I killed could be considered martyrs .
	moral crimes	Noun: crimes that don't harm people or property, but don't match society's views or behaviour, e.g. not following church rules.	Cheating on your partner would be considered a moral crime.

History | Crime and Punishment in Early Modern England, c.1500-c.1700 | Topic Dictionary

lmage	Key Word	Definition	In a sentence
牙	petty theft	Noun: The crime of stealing low value items	You should not commit petty theft !
	plague	Noun: a disease that spread through fleas on rats	The plague got the nickname the Black Death .
	poaching	Noun: The crime of illegally catching animals for food	Lots of poorer people started poaching to provide food for their families.
	Poor Relief	Noun: financial assistance for the poorest members of society	Elizabeth I introduced the Poor Relief to support those in the most need.
	Puritan	Noun: A very strict Protestant	Oliver Cromwell was a Puritan .
	sanctuary	Noun: a safe place	My home is my sanctuary .
	smuggling	Noun: bringing goods into a country without paying the taxes due	There are harsh penalties for people who smuggle goods into the country.
	superstition	Noun: beliefs based on old ideas about magic, rather than reason or science	Over time, the belief in witches was seen as a superstition.
	transportation	Noun: sending criminals to America or Australia to work for a fixed period	You would not want to be transported as you were treated like an enslaved person.
	treason	Noun: The crime of betraying the King or Queen	Committing treason was one of the worst crimes you could commit in Medieval Britian.
序	Watchman	Noun: Local man who patrols an area at night to help keep order	Being a nightwatchman was an unpaid role!

What social changes affected crime and punishment 1500-1700?

Population growth

During the 16th and 17th centuries there was a steady increase in the population.

More people meant it was harder for some to find work.

Printing

After printing was invented in the 15th century, more books and pamphlets started to appear. A favourite topic for pamphlets was crime, particularly witchcraft and vagabondage.

Economic changes

England was becoming wealthier overall and some people became richer. However, the overwhelming majority remained poor.

Religious Turmoil

Religious changes made by Henry VIII during the 1530s caused much unrest and confusion. This was followed by a period of religious upheaval as the country switched from Protestant to catholic monarchs and back again. As religious argument continued, both sides accused the other of being in league with the Devil. This helped increase public belief in evil and supernatural explanations for events.

Political change

This period also saw the greatest rebellion of all – the English Civil War (1642-1649) in which Parliament fought and beat the King's forces. This led to the execution of King Charles I. This created a feeling of insecurity and fear that lasted decades.

Landowners' attitudes

Landowners were becoming richer and growing in influence during this period. They encouraged laws that defended their rights, power and property against those they regarded as a threat. Increasingly landowners regarded the poor with suspicion. They felt threatened by their growing numbers and wanted to keep the poor firmly in their place.

How did crimes change in the Early Modern period?



<u>Vagabonds</u> were unemployed homeless people.

- Vagrancy Act 1547 after 3 days, branded with a V and sold into slavery for 2 years.
- Act for the Relief of the Poor 1597 whipping and burning the ear
- Poor Law 1601 established a distinction between deserving and undeserving poor. Could still be branded or whipped or sent to a House of Correction.



Large areas of land had been **enclosed**, so more people left the countryside to go to towns in search of work.

Many poor people continues to **poach** and hunt rabbits and hares or fish in rivers. **1671 Game Act** made these activities illegal.

However, most people ignored this, and poaching became a 'social crime'.



ent's victory in the English Civil War of execution, **Oliver Cromwell** took the ti

After Parliament's victory in the English Civil War and Charles I's execution, **Oliver Cromwell** took the title Lord Protector.

He was a **Puritan** and thought people should focus on religion, so between 1653-1658 some activities and entertainments were made illegal.

Case Studies: The Gunpowder Plot and Witchcraft



- When King James I became king, Catholics hoped to worship freely. However, the laws against Catholics were tightened and more harshly enforced. Most Catholics had little choice but to accept the changes.
- Robert Catesby hatched a plan to blow up Parliament, kill King James and put a Catholic on the throne.
- **Guy Fawkes** placed 36 barrels of gunpowder beneath the Houses of Parliament, more than enough to destroy the building and everyone in it.
- An anonymous letter warned Lord Monteagle not to attend the opening of Parliament. Lord Monteagle informed Robert Cecil – the king's Chief Minister.
- Soldiers searched Parliament and arrested Fawkes. He was tortured and identified the other plotters. When soldiers caught up with them, Catesby and a few others were killed in the fighting.
- The survivors returned to London for trial. They were sentenced to be **hanged**, **drawn and quartered**.

- Between 1645 and 1647, there were many cases of witchcraft in East Anglia. At the centre of this was Matthew Hopkins, a man known as the Witchfinder General due to his 'ability' to spot witches.
- Accusations of witchcraft were caused by: village tension, changes to the law, religious upheaval, the Civil War and pamphlets.
- Hopkins collected evidence against 36 people, mostly elderly women. Hopkins claimed that if a mouse, spider or fly was in the room it was a 'familiar' and a sign of the devil.
- Those found guilty of witchcraft were **hanged**.



How did policing methods change in the Early Modern period?

Continuities since the Middle Ages

The **hue and cry** was still used. If the alarm was raised, citizens had to turn out and look for the criminal. This was led by the constable.

Ordinary people were still expected to deal with crime **themselves**.

Constables continued to have an unpaid and part-time role.

Coroners still investigated unnatural deaths.

There were a variety of courts in use, but all still relied on a **local** jury.

Manor courts dealt with local, minor crimes such as selling underweight bread and drunkenness.

Royal judges visited each county twice a year to deal with the most serious offences. These were known as **County Assizes**.

Changes

Watchmen were employed in larger towns to patrol the streets day and night. They were expected to arrest drunks and vagabonds.

Rewards were offered for the arrest of particular criminals accused of serious crimes. Rewards could be very high!

JPs became an important part of law enforcement. JPs judged manor court cases. They could fine people, send them to the stocks, and order them to be whipped.

Quarter Sessions were held four times a year. JPs from across the county would come together to judge more serious cases. They even had the power to sentence someone to death.

Those accused of serious crimes could no longer claim benefit of the clergy.

The **Habeas Corpus Act** of **1679** meant that everyone arrested had to appear in court or be released. People no longer feared being seized and locked up without trial.

How did punishments change in the Early Modern period?

The **pillory** was intended to shame and **humiliate**. It was used to punish crimes such as cheating at cards, persistent swearing and selling underweight bread. If the crowd disapproved of the crime they would pelt the offender with stones. Criminals convicted of sexual crimes were sometimes killed in the pillory.

Fines were perhaps the most common and were used for minor offences such as swearing, gambling, drunkenness and failure to attend church.

Whipping was intended to cause great pain. It usually took place on market day when there was a crowd to watch so was also humiliating. It was used for vagabonds, drunkenness and theft of low value goods.

By the late 1500s Houses of Correction were built to punish and reform offenders. They became known as Bridewells after the first one built in London. Vagabonds, unmarried mothers and repeat offenders were sent to Bridewells. Inmates were sometimes whipped and made to do hard labour.

The **Bloody Code** refers to the period in England where **225** crimes carried the death penalty. Authorities hoped that by having such a harsh punishment would act as a deterrent, but in reality, juries often lied in an attempt to save people.

Prisons continued to be used for those awaiting trial and for people in debt. However, prisons were very rarely used as a punishment in themselves. Prison conditions were **poor**. Men and women were kept together and younger prisoners were often bullied or abused. **Prisons were dirty and unhealthy.**

Carting meant being paraded round the streets on a cart for all to see and aimed to shame the criminal. It was used for vagrancy, adultery and running a brothel!

Women who argued with or disobeyed their husbands could be convicted as **scolds**. The punishment was the **ducking stool** in the local river or pond. Women who argued in public or swore could be punished in the same way.

From the 1660s, criminals began to be sent (transported) thousands of miles away to the American colonies. Transportation for life was used for murderers who escaped the death penalty. Once in America, some prisoners suffered conditions close to slavery. Between 50 000 and 80 000 men, women and children were transported to America up to 1770. Transportation was used as it helped England establish a permanent colony in North America. Some people though that the punishment would allow criminals to reflect on their crimes.

Skills – How to answer 4-mark similarity or difference question

Criteria	Marks
 A brief similarity or difference is stated. Gives some simple overall ideas but does not answer the specific question 	1-2
 A clear similarity or difference is stated and explained. Accurate information is given throughout the answer and is precisely used to meet the demands of the question 	3-4

Explain one way **policing methods** in the Middle Ages were similar to policing methods in the Early Modern period. [4-marks]

One way policing methods were similar in the Middle Age and the Early Modern period is that they both relied on the community.

For example, in the Middle Ages, the **hue and cry** was used which involved the whole town or village chasing after a criminal in order to apprehend them. If a villager did not join in, then the whole community paid a fine. This shows that the community were responsible for capturing a criminal.

This is **similar** to the Early Modern period, in which **constables and nightwatchmen** were used. These positions were chosen by the local community and every male citizen was expected to be a **nightwatchman**. Again, this shows that it was down to the local community to police themselves.

Have a go at the questions below:

- Explain one way the purpose of punishment in the Middle Ages was similar to in the Early Modern period. [4-marks]
- Explain one way the types of punishment in the Middle Ages were similar to in the Early Modern period. [4-marks]
 - Explain one way the types of crime in the Middle Ages were different to in the Early Modern period. [4-marks]

History | Crime and Punishment in 18th and 19th century Britain | Topic Dictionary

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	authority	Noun: A word used to describe the people who have the power to make decisions	I wish I had the authority to change some rules in the country.
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	clergy	Noun: People who work for the church	A priest or bishop is an example of a member of the clergy .
	Constable	Noun: an official responsible for law enforcement in a village or local area	If you were a constable you were in charge of the nightwatchmen.
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CRIME III CRIME	crime	Noun: An action for which you can be punished by law	It would be a crime to steal some food from that shop.
~	deterrence	Noun: Discouraging something by creating a feeling of fear	Severe punishments act as a deterrence to others.
Ş.	execution	Noun: Killing someone as punishment for a crime	Execution is another way of saying capital punishment.
	high treason	Noun: plotting to kill the King	If you committed high treason you would be given the death penalty.

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Image	Key Word	Definition	In a sentence
% ₩	Import Duties	Noun: taxes payable on goods imported into the country.	Import Duties vary depending on the item you are importing.
\otimes	inhumane	Adjective: cruel, without compassion	The treatment of animals in the cosmetics industry can be considered inhumane .
*	law enforcement	Noun: Making sure the law is obeyed	Law enforcement has greatly developed over the last 1,000 years.
1.** 1.** 0.**	maiming	Verb: To cause physical harm to someone	An example of maiming someone is cutting off their hand.
	martyr	Noun: Someone who suffers or dies for their beliefs	Lots of people who Mary I killed could be considered martyrs .
	oath	Noun: a solemn promise	The King would make people swear an oath of loyalty.
5	pardon	Noun: when a person is let off punishment for a crime of which they have been convicted.	Criminals can appeal a sentence in hopes of receiving a pardon .
	penal	Adjective: involving punishment	During the 18 th and 19 th centuries you could be transported to a penal colony.
牙	petty theft	Noun: The crime of stealing low value items	You should not commit petty theft !
	poaching	Noun: The crime of illegally catching animals for food	Lots of poorer people started poaching to provide food for their families.
	Poor Relief	Noun: financial assistance for the poorest members of society	Elizabeth I introduced the Poor Relief to support those in the most need.
MA	proportionately	Adjective: in a fair and balanced way	A proportionate punishment would be harsher for a serious crime and less harsh for a minor crime

History | Crime and Punishment in 18th and 19th century Britain | Topic Dictionary

Image	Key Word	Definition	In a sentence
	smuggling	Noun: bringing goods into a country without paying the taxes due	There are harsh penalties for people who smuggle goods into the country.
	trade union	Noun: an organisation that represents workers to protect their rights	It is really important to join a trade union!
	transportation	Noun: sending criminals to America or Australia to work for a fixed period	You would not want to be transported as you were treated like an enslaved person.
ZE C	treason	Noun: The crime of betraying the King or Queen	Committing treason was one of the worst crimes you could commit in Medieval Britian.
	trial	Noun: a legal process where a judge (and jury) decide whether someone is guilty of a crime	If you are accused of a crime, you have a trial to determine if you are guilty or innocent.
F °	Wałchman	Noun: Local man who patrols an area at night to help keep order	Being a nightwatchman was an unpaid role!

What social changes affected crime and punishment in the industrial period?

Population rise and movement

By 1750 there were around 9.5 million people living in England and Wales.

Most lived in villages scattered throughout the countryside. However, by 1900 the population had risen to 41.5 million and was mainly concentrated in towns.

Work

During the 18th century, most people had made a living from farm work. By the end of the 19th century, most people found employment in workshops or factories. Work had moved into the towns and cities.

Education

During the 18th century, only a small minority of children attended school. Rates of literacy were low. However, by 1850, 70% of the population could read and write. This rose 95% by 1900, after a law in 1880 said that all children had to go to school until the age of 13.

Voting rights

By the mid-18th century, only one in every eight men could vote. By 1885 nearly all men had this right. Therefore, governments began to make improvements to housing and health, in order to win votes from ordinary people.

Travel

Transport underwent huge changes during the 18th and 19th centuries. By the 1840s, railways had become a major form of travel. These were much faster than the roads and gradually became cheaper so that ordinary people could afford to use them.

Growing acceptance of government involvement

For centuries, British people had resisted any government involvement in local affairs as an interference, which threatened their freedom. However, by the 19th century, people began to accept that the government should have some control over certain things.

<u>Harvests</u>

By the 19th century, there was less chance of poor harvests causing high food prices or starvation. Food could be imported cheaply and quickly from other countries

Wealth and taxes

Two centuries of trade and industrial growth made Britian a wealthy country in this period. During the 19th century, the government collected higher taxes, which they could use to pay for reforms that would improve people's lives.

New ideas about human nature

During the 18th century, new ideas emerged about human nature. Some argued that improving people's education, along with their living and working conditions, might encourage better behaviour. By the mid-1800s, Charles Darwin developed his theory of evolution. This led some people to believe that there was a criminal class that was somehow less evolved than other people.

Crimes against the person and property

<u>Changes in highway robbery – a crime</u> <u>against the person</u>

Highway robbery **increased** in the 18th and 19th centuries because:

- Improved roads led to more people travelling,
- Increased trade between towns meant more goods and money were transported by road,
- Many roads were isolated making it easy to get away with highway robbery.

In 1772, to try and reduce highway robbery, it became a capital crime to be armed and in disguise on a high road. Mounted patrols on major roads and the growth of railways helped reduce instances of highway robbery, which disappeared completely in the 1830s.



<u>Changes in poaching– a</u> <u>crime against property</u>

Poaching increased in the 18th century, with poaching gangs that worked on a large scale. This led to the 1723 Waltham Black Act, which made poaching a capital crime and also made it illegal to carry snares or own hunting dogs in a poaching area.

Many viewed this law as unfair. Many poaching laws were repealed in 1823.



<u>Changes in smuggling – a crime</u> against property.

Smuggling increased from 1740-1850 because the tax on imported goods was so high. Smugglers made large profits by bringing these goods into the country without paying tax and selling them on.

This led to large gangs of smugglers, such as the Hawkhurst Gang, which smuggled high volumes of goods.

Mounted customs officers tried to prosecute smugglers. They found it difficult because of the large areas of coast to patrol.

Taxes were cut in the 1840s and smuggling decreased.



Crimes against authority – the Tolpuddle Martyrs

In 1834, in Tolpuddle, Dorset, a group of farm workers formed a 'friendly society' (an early form of trade union) to protest about their low wages compared to other farm workers' wages.



The farm owners and the government feared they were losing control of their workers. The six men were arrested for taking secret oaths – an old law intended to stop naval mutinies.



It shows how

the

government

would protect

the interests of

employers at

the expense of

workers.

The incident highlights how the authorities used laws to criminalise people they viewed as a threat.



The six were found guilty at their trial. They all received the maximum sentence of seven years transportation to Australia in an attempt to deter others from forming trade unions.



News of the Tolpuddle Martyrs' sentences spread auickly due to the press. 200,000 signatures were collected in opposition of their harsh punishment.





The Home Secretary decided to continue their sentence and

the six were sent to Australia.



Protests continued and in 1836 the martyrs were pardoned and returned home.



The martyrs inspired some to fight for workers' rights but others were put off by how the martyrs were treated.

The pardonina of the martyrs Significance of the Tolpuddle illustrates the Martyrs impact of public opinion.

How did law enforcement and policing methods change?

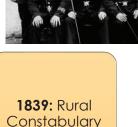
The Bow Street Runners

- Established in London in 1749 by Henry Fielding, Chief Magistrate at Bow Street Court, to try and tackle the huge crime wave of 17th-century London. Feilding's half-brother, John, took over in 1754.
- At first they charged fees and collected rewards, but by 1785 they were paid by the government
- Introduced new methods of finding evidence to bring criminals to justice the first modern 'detectives'.
- Branched out to patrolling major roads both on foot and horse. The patrols were less successful than the detecting side, as there were not enough of them to deal with the dramatically increasing crime rate.
- Shared information on crimes and suspects with others the beginnings of a crime intelligence network.





Municipal Corporations Act - borough councils could set up police forces in their area (but only around half did so!)



Constabulary Act - counties could set up police forces, which 2/3 of the counties did.

1842:

Detective department set up at the Metropolitan Police Force headquarters in London.

1856: Police Act – forced all towns and counties to set up a professional force.

1878: Criminal Investigations Department (CID) set up for the Metropolitan Police Force.

The 1865 Police Act

This act made professional police forces, which were based on the model of the Metropolitan Police, compulsory across the whole country. All forces were funded by the government and were regularly inspected by officials employed by the government. Police officers were not only tasked with keeping law and order, preventing crime through patrolling the streets and arresting criminals, but were to detect criminals after crimes had been committed. The aim of all activities was to deter crime.



Metropolitan Police Act began Britain's police force in London.



Case study – Robert Peel

Robert Peel had a huge influence on both punishment and law enforcement when Home Secretary during the 1820s. He ended the Bloody Code by reducing the number of death penalty offences and tried to reform the prison system. In 1829, he persuaded parliament to pass the Metropolitan Police Act, which set up the first professional police force in London.

Reforming the penal code.

After 1810 there were an unprecedented number of capital crimes. According to the law, someone could receive the same punishment for murder as they could for petty theft – the death penalty.

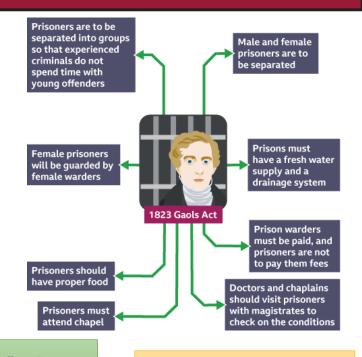
In practice, the death penalty was rarely used for petty crime, as judges thought it was unfair, and transportation or prison was usually preferred, which meant the penal code made little sense. In 1825, Peel reduced the number of capital crimes by 100 because he wanted:

- Less harsh punishments for petty crimes
- To try and reform petty criminals rather than kill them.

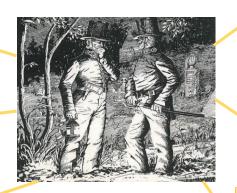
The central aim was to prevent crime and disorder and to be totally impartial and objective.

Recruits carefully selected and well trained. It was a fulltime and fairly well-paid job.

Members had a uniform so they could be identified (and didn't look like soldiers).



Metropolitan Police Force



Members were usually unarmed and were trained to use minimum physical force only as a last resort.

Focused on patrolling areas where crime was high.
Successfully reduced street crime and disorder.

Not popular at first, but soon recognised by the public as being honest and trustworthy.

Changing views on the purpose of punishment

<u>Factors that changed view on the</u> purpose of punishment

Rapidly growing crime rates led the government to increase the Bloody Code throughout the 18th century. The number of capital crimes reached a peak of 225 in 1810 in an attempt to deter crime. However, it was clear that these deterrents were not working and a new strategy was needed. Continuing the idea that punishment should be about retribution and deterrence, the 19th century saw increasing feelings that:

- Punishments should be equal to the crime committed
- Corporal and capital punishments were inhumane except for very serious crimes
- Punishment should also be about rehabilitating the offender.

This led to a decrease in the use of the death penalty and the end of the Bloody Code and an increase in other forms of punishment:

First transportation and then imprisonment.

This change in attitude also helped lead to the ending of public executions in 1868.

<u>Transportation to Australia</u>

The increase in the crime rate increased transportation to Australia. Once there the criminals worked for settlers for seven years providing free labour to build infrastructure. Most stayed in Australia once their sentence ended as they couldn't afford the fare home.

Transportation ended by 1868 because:

- Australia no longer needed forced labourers and it didn't want 'criminals'.
- Some felt it was too expensive and not a strong enough deterrent to crime. Others felt it was too harsh for both the criminals and their families.
- More prisons had been built and prison was increasingly used instead of transportation.





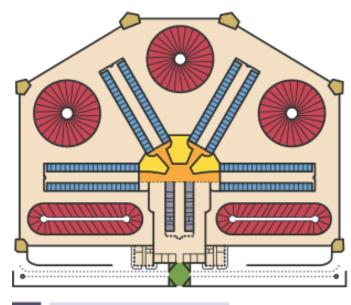
Prison and prison reformers.

Conditions in 18th century prisons were very poor but they were increasingly used as a form of punishment. Many thought prison conditions should be poor with hard labour, but several reformers believed prisons should be improved to increase the likelihood of rehabilitation.

John Howard's work led to the 1774 Gaol Act, which suggested how health and sanitation in prisons could be improved. Elizabeth Fry began visiting women in Newgate Prison in 1813. She set up education classes to reform female prisoners. She also got them better food and clothes, and treated prisoners with kindness and respect.

Pentonville Prison and the separate system

A plan of Pentonville prison



- Exercising yards
- Sunk courts
- Officers' rooms
- Cells
- Entrance gateway
- Administrative rooms
- Inspection hall

Reasons for the separate system:

- For rehabilitation: Solitude was thought to be the best way to provide prisoners with an opportunity to reflect on their crimes, turn to religion and therefore reform their ways. It also meant that prisoners could not be influenced by other criminals. The cell provided everything they needed so they didn't have to leave it others than for short spells of exercise.
- 2. For **retribution**: The isolation and boredom made the criminal 'pay' for their crime.
- 3. As a **deterrent**: It was a serious punishment and was therefore thought to act as a deterrent to committing crimes.

Strengths of the separate system

Compared with previous prisons, it was clean and there was far less disease.

Many people thought that it provided the right level of punishment – it was seen as harsh but not overly so.

Weaknesses of the separate system

The continuous isolation led to mental illness and a high suicide rate.

There was no education or instruction to provide new skills for prisoners to use when they were released.

Skills – How to answer 12-mark GCSE question in History

[12]

poaching
 use information of your own.

You must also

Criteria	Marks
 Accurate information is given throughout the answer and precisely used to meet the demands of the question. A consistent analytical approach is taken, showing a logical and consistent line of reasoning. 	10-12
 Gives a good range of accurate information. The answer explains different reasons and begins to analyse some. 	7-9
 Gives some accurate information. The answer contains some explanation, but th is not supported. 	is 4-6
 Includes a brief amount of knowledge. Gives some simple overall ideas but does not answer the specific question. 	1-3

Try this question on your own:

Explain why the purpose of punishment changed in the period 1400-1900. You may use:

- Prisons
- The Bloody Code

definitions of crimes against authority in the period c.1000-c.1700. You may use: Explain why there were

P1. Use the first bullet point

- Describe the key term in the bullet point
- Explain how that caused the event in the question
- Link back to the question
- P2. Use the second bullet point
- Describe the key term in the bullet point
- Explain how that caused the event in the auestion
- Link back to the question

- P3. A third point of your own.
- Describe your key term
- Explain how that caused the event in the question
- · Link back to the question

Model Answer

c.1000-c.1700. crimes against authority in the period poaching
 You must also use information of your own. ō new definitions were

Explain why there

P1. Use the first bullet point

- Describe the key term in the bullet point
- Explain how that caused the event in the auestion
- Link back to the **auestion**

One reason the definition of crimes against authority changed was due to the rise in landowners who wanted to protect their land and resources. A prime example of this was how poaching developed throughout this time. Poaching is when someone hunts on another person's property and was often required for those of the lower classes due to increasing enclosure. Poaching was defined as a crime against authority because it challenged the authority of the landowners. As landowners relied on their property to assert their dominance on the people, therefore, making poaching illegal would enable them to further control the lower classes. Therefore, one change in the definition of crime against authority was the change in poaching laws.

P2. Use the second bullet point

- Describe the key term in the bullet point
- Explain how that caused the event in the auestion
- Link back to the auestion

Another way in which crime against authority changed was **heresy**. Heresy is when a person believed in the 'wrong' religion compared to the rest of the country. This became considered to be a crime against authority as in 1534, Henry VIII broke away from the Catholic Church and placed himself as the Head of the Church of England. This meant that heresy changed to become a crime against authority as by believing a different faith to the monarch, you were implying that the monarch was wrong; which challenged their right to rule, and thus heresy carried the death penalty. Therefore, one change in the definition of crimes against authority was the rise of heresy.

P3. A third point of your own.

- Describe your key term
- Explain how that caused the event in the question
- Link back to the **auestion**

A final way in which crimes against authority changed during this time period was the introduction of the Forest Laws by King William I. William I was only the King as he conquered England at the Battle of Hastings. He therefore had the power to determine what was meant by a crime against authority. This meant that he introduced a series of laws that would help him to assert his authority on the territory he had conquered. One example of this was the Forest Laws. The Forest Laws were laws that made it illegal to cut down trees, to own a dog or to use a bow and arrow. These laws were used to ensure that the King's territory were being protected and that his authority went unquestioned. Therefore, one change in the definition of crime against authority was the introduction of the Forest Laws.



anthem

