# **Curriculum Companions**

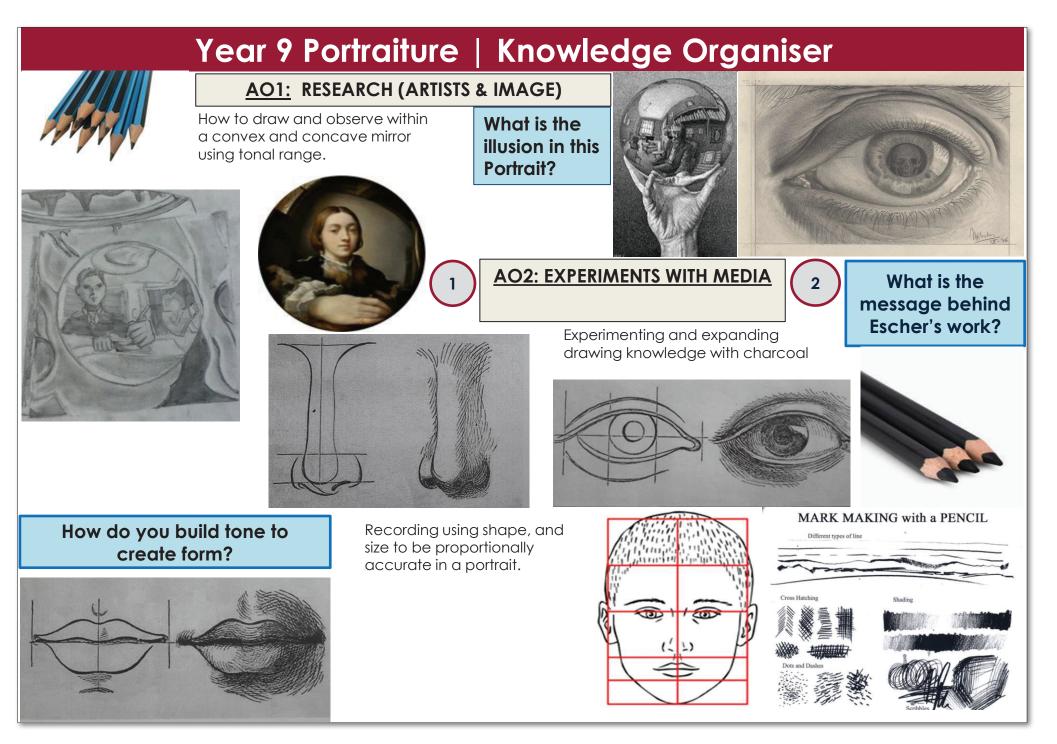
## Year 9

Term One

Name:

Tutor Group:





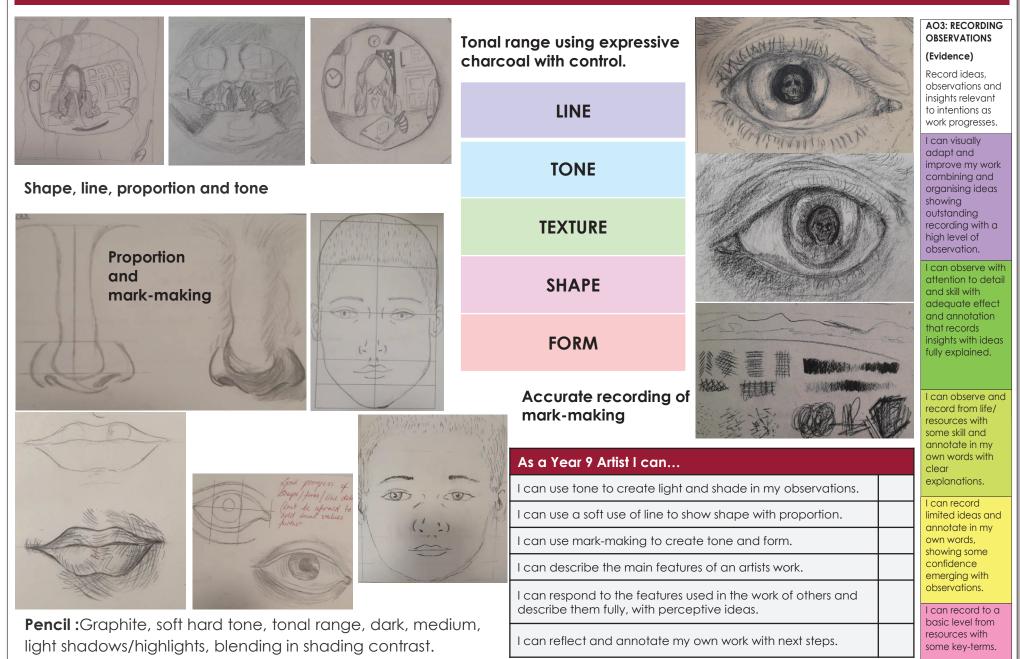
Art

	Art   Botanical Art  Topic Dictionary								
Image	Word	Definition	In a sentence						
	cross-hatching	Cross-hatching is the layering of multiple lines to achieve tone. Artists draw in the direction of the shape they are drawing to achieve a realistic and lifelike appearance. The more layers you use the darker the tone achieved. Notice the curved lines in the folds of skin and lighter areas that have no lines.	I could improve my control of <b>cross</b> <b>hatching</b> to create marks that are closer together creating darker areas, adding to the illusion of a 3D form.						
	composition	A portrait's composition is the sum of how you place all the parts within it: use of the edges of the frame, use of shapes within the frame, the prominence of any foreground/background details, the position of the subject within the frame, even the shape of the frame itself.	Within the <b>composition i</b> n Parmigianino's portrait the artist is playing with illusion through compositional tricks.						
A STATE	depth	The illusion of space / solidity. Using tone in your allows you to create pictorial depth or space .	I have observed <b>depth</b> of tone using my 2B lead pencil, to show the mid and dark tones in my recording of the facial features.						
	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	I have observed shape and <b>form</b> in my drawing of the nose, however my tone needs greater depth and variation to improve the 3D appearance of the <b>form</b> .						
	line	Lines that are used to define the shape or form of an object or a figure, or to highlight key details of an image are called contour lines (or outlines).	I have used a soft use of <b>line</b> in mapping out my portrait and in my observation of the facial features.						
	mood Mood is 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 <b>mood</b> of the piece is dark and subdued, due to its dark colour palettes and exaggerated features.						

## Art | Botanical Art | Topic Dictionary

Image	Word	Definition	In a sentence
10 als	<b>perspective</b> Perspective helps create the illusion of realism, space and depth in a two-dimensional work. It allows artists to create more lifelike images that appear three-dimensional. Ultimately, this enhances viewer engagement by drawing them into the painting, creating a more immersive experience.		have observed and used <b>perspective</b> in my recording of a portrait to create a 3D appearance observing shape and form.
	proportion used will affect how realistic or stylised. something seems.		I have observed accurate <b>proportion</b> of the size and shape of the head with accompanying features.
	scaleScaling is the process of adjusting proportions and dimensions, is pivotal in pencil portrait drawing. It ensures that the final artwork accurately represents the subject, capturing facial features and expressions with precision.		I have a proportional representation of a human head to <b>scale.</b>
	shape	Shape is an area enclosed by a line. It could be just an outline, or it could be shaded in. Shapes can be geometric or irregular.	In my drawings of the facial features II have recorded a good use of varied <b>shape</b> with a soft and controlled use of line.
	symmetryTo be equal on both sides. You'll see both sides of your face are pretty symmetrical. This is known as bilateral symmetry and it's where both sides either side of this dividing line appear more or less the same.		have observed a good use of <b>symmetry</b> in my proportional drawing of the portrait with even tone.
	tone This refers to the lightness or darkness of something. This could be a shade or how dark or light a colour appears. Tones are created by the way light falls on a 3D object. The parts of the object on which the light is strongest are called <b>highlights</b> and the darker areas are called <b>shadows</b> .		I am developing my application of <b>tone</b> in my observation of the face, using the rubber to create light areas against varied <b>tone</b> .

### Skills Guide: AO3 Recording Observations: Exemplars



### Drama | What skills do I need to be successful in Drama? | Skills Organiser

#### Drama: Term 1 – Skills Dictionary:

#### Rank yourself based on your confidence in each skill in week 1 and in week 12

4= Excellent understanding (no areas for development, fully consistent)
3= Good understanding (many strengths and a few areas for development, consistent)
2=Basic understanding (some strengths and some areas for development, mostly consistent)
1=No understanding (few strengths and many areas for development, inconsistent)

Vocal Skill	Definition	Examples of how to improve	1	12	Physical Skill	Definition	Examples of how to improve	1	12
projection	Using the voice to fill the performance space. E.g: An actor working in the hall will have to project more than an actor	. Diaphragm exercises. Breathing exercises Vocal warm ups.			gesture	Using the body to communicate character/ emotion.	Exaggeration Selecting key words Mime		
	performing in the studio. <b>Projection</b> is important because the audience need to hear you.				facial expression	Using the face to communicate character/ emotion.	Facial warm ups – chewing toffee etc Rehearsing with a mirror.		
articulation	Speaking clearly so the dialogue can be	Vocal Warm Ups Tongue twisters							
	understood.	Focus on consonants			pace (movement)	How fast or slowly you move	Jacques LeCoq's 7 levels		
tone	Communicating emotion with the voice	Knowing character and their motivation: Units and objectives Subtext Given Circumstance Opera		(movement)		slowity you move	of tension.		
		exercise.			levels	How high or low	Utilising		
pace (voice)	How fast or slow you speak.	Recording dialogue. Extreme Slow down Extreme Speed up				you are compared to something/some one else	blocks/chairs etc		
volume	How loud or quiet you are.	Play with volume, Extremely loud/ quiet. Note impact.			space	The distance between two	Draw the stage out using		
pitch	How high or low the voice is	Scales				people or things.	masking tape.		

Term 1 Key Words:

### Term 1 | How will I explore the story of 'White Boy'? | Knowledge Organiser

### White Boy

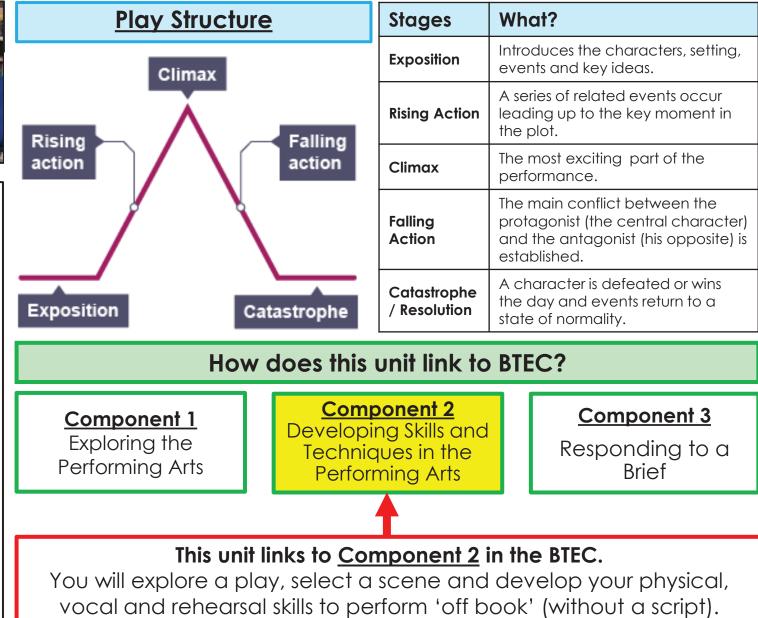
V	White Boy is a play abo		MANAGE AND A STREET AND A ST		White Boy (script)
mul	ticultural group of frier	ids in c	Identity	Who or what a person is.	
	White Boy is a play abo ticultural group of frier a London school trying out their way in the wo		Reacting	Responding in the moment to what is happening in the scene.	
The pl identi	lay covers themes of fr ty, love, loss, gangs, kn and drugs.	iendsh ife crir	ip, ne tanika gupta	Atmosphere	The mood created
	and drugs.		WHITE BOY	Dynamics	Variations in levels of energy, physical movement, pace or emotional intensity in a scene.
	explore White Boy, we will b IPTS and thinking about crea	-		Intimidation	To intentionally make someone scared or fearful
	world of the play.		. ØSERØN MOZENN PLAYS	Empathy	The ability to understand the feelings of another.
Week	What will I learn? – Half Term 1 Introduction to Ricky and their	Week	What will I learn? Half Term 2	Exposition	Introduces the characters, setting, events and key ideas.
1	friends.	1	Flips pressures Kabir	Rising action	A series of related events occur leading up to the key moment in the plot.
2	Victor's introduction	2	A tragedy occurs at school	Climax	The most exciting part of the performance.
3	The football match	3	Scene selection and rehearsal	Falling action	The main conflict between the protagonist (the central character) and
4	Sorted's story and Flips' introduction	4	Rehearsal		the antagonist (his opposite) is established.
5	Zara shares a secret	5	Performance – Practical assessment	Catastrophe/ Resolution	A character is defeated/wins and events return to a state of normality.
6	Sorted is afraid	6	Written assessment	Chekov's Gun	"If a gun appears in the first act, it will be used by the last act."

## Term 1 | White Boy | Knowledge Organiser



#### Who is Tanika Gupta?

- Tanika Gupta is a British playwright,
- She was born in London to immigrant parents from Kolkata, India.
- As a child, Gupta performed Tagore dance dramas with her parents. Her mother Gairika Gupta was an Indian classically trained dancer, and her father Tapan Gupta was a singer.
- Gupta graduated from Oxford University with a Modern History degree.
- Later, she worked for an Asian women's refuge in Manchester.
- Over the past 25 years Tanika has written over 25 stage plays that have been produced in major theatres across the UK.



#### Y9 English | The Hound of The Baskervilles | Knowledge Organiser

## 1. How do writers use language to create suspense and tension?

Detective writers use a range of language features to build tension, including (but not limited to):

- Progression of short sentences
- Development of verbs
- Vivid imagery using the senses
- Slow reveal
- Sounds
- Description of action
- Red herrings and slow reveal

#### 2. How do writers structure mystery?

As you have learnt in **Y7 and 8**, most stories are structured in the '**story arc**'. They have an **exposition**, **rising action**, **falling action and resolution**.

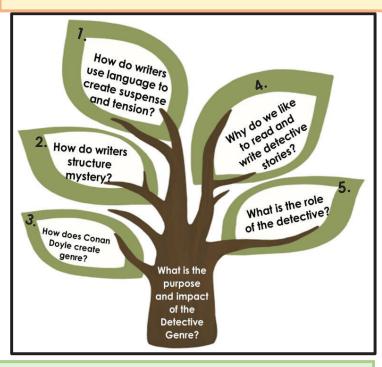
However, mystery and detective fiction is **structured** a bit more like a **staircase**.

Writers of mystery use a series of **clues and cliffhangers** to build suspense and tension. As the detective solves each clue, a new clue is revealed, and the chapter ends on a cliffhanger. At the end of the novel, the mystery is finally solved and the tension is released.

#### 4. Why do we like to read and write detective stories?

The **19<sup>th</sup> Century** saw a **sudden rise in the popularity of detective fiction**, which reflected the social changes brought on by the **industrial revolution**. For example, Industrialisation brought people from the countryside to cities, which led to **different classes living more intertwined lives**. Furthermore, there was an **increase in crime** due to overcrowding and rising rates of poverty.

Detective fiction can be understood a **reaction to this instability**. **Readers find comfort** in the unsolvable being solved, the supernatural being proved to be natural, and the **restoration of law**, **order and class structure** at the end of the novel. In this way, we can read the detective genre as a **socially conservative** genre.



#### 3. How does Conan Doyle create genre?

- **Gothic setting**; the moor, the old, grand Baskerville estate, descriptions using pathetic fallacy, myth of the Hound being a supernatural creature
- Characterisation of Sherlock Holmes and his assistant Dr Watson
- Epistolary narrative style; journal accounts and letters
- Structure; each chapter has a mystery to solve, a new revelation and a mini-climax or cliffhanger

#### 5. What is the role of the detective?

Of course, in real life, the detective's role is **to solve the mystery**. However, as a **narrative device**, the detective's role is to **guide the reader** to solve the mystery alongside them.

Detective stories are most often written in first person, with the detective as the narrator. This creates **proximity between the character and the reader** and allows us to solve the clues at the same time as the detective. However, Conan Doyle uses Watson, Holmes side-kick, as the narrator for 'The Hound of the Baskervilles.' Why do <u>you</u> think Conan Doyle created this narrative distance between the detective and the reader?

In detective mysteries, the detective usually works as the **moral representative** in the novel, forcing the reader to judge each suspect according to their own morals. The detective is typically characterised by their **quick wit**, **intelligence and strong ethical code**. However, Sherlock's ethical code can be called into question: does he always deal with things the right way? Does he always judge correctly?

### Y9 English | The Hound of the Baskervilles | Tier 2 Vocabulary

Imago	Word	Definition	In a sentence	
Image	word	Deminion		
$\dot{\mathbf{O}}$	Chilling	If something is <b>chilling</b> , it means that it is scary or frightening.	The spooky moors and unexplained deaths create a <b>chilling</b> atmosphere that keeps readers on edge.	
Q	Deduction/ Deduce	A deduction is a conclusion that you have reached about something because of other things that you know to be true.	Sherlock Holmes <b>deduces</b> the truth behind the hound and the Baskerville curse from the clues Dr Watson gathers.	
С С С С С С С С С С С С С С С	Detective	A <b>detective</b> is an investigator that specialises in solving crimes.	Dr Watson wants to be a <b>detective</b> and therefore works with Holmes to solve the Baskerville case.	
	Ethics/ Ethical	If something is <b>ethical</b> , it means it is accepted as being right and good.	Solving the mystery of the hound is <b>ethical</b> as it brings a criminal to justice.	
	Inherit / Heir	If you inherit something, it has been passed down to you. That makes you an heir.	Sir Henry Baskerville was the <b>heir</b> to the Baskerville estate and therefore <b>inherited</b> it when Sir Charles died.	
	Moral	A <b>moral</b> person behaves in a way that is believed by most people to be good and right.	Mr Stapleton does not behave in a <b>moral</b> way as he lies and manipulates people.	
	MysteryA mystery is something is unknown or unsolved to the reader.		The identity is of the hound is a <b>mystery</b> because we do not know who it is.	
	Speculate	If you <b>speculate</b> about something, you make guesses about its nature or identity, or about what might happen.	Sherlock Holmes asked Dr Watson to <b>speculate</b> at who the cane belonged to, before he told him his own observations.	
	SupernaturalThe supernatural are creatures, forces or events with powers that are out of ordinary nature or existence.		Dr Mortimer came to the conclusion that something <b>supernatural</b> had happened.	

### Y9 English | The Hound of The Baskervilles | Tier 3 vocabulary

Image	Word	Definition	In a sentence
	Cliffhanger	When a part of a story ends without revealing the resolution/answer. Readers/audiences are left wondering what happens next.	Doyle uses a <b>cliffhanger</b> when Watson is stranded on the foggy moors.
	Epistolary	In an <b>epistolary narrative</b> , the story is told through the form of <b>letters, diary entries, newspaper</b> <b>clippings etc.</b>	Conan Doyle uses the <b>epistolary</b> technique when he includes different character's letters to tell the story.
	Genre	A <b>genre</b> is a particular type of literature, music, film, (or other art form) which people consider as a type because it has special characteristics.	Sherlock Holmes is a character from the detective fiction <b>genre</b> .
	Gothic	<b>Gothic</b> refers to <b>scary</b> storytelling that uses dark settings, supernatural elements, and intense emotions to create a sense of fear and mystery.	Conan Doyle creates a <b>gothic</b> atmosphere through the mysterious and suspenseful setting.
(ئ)	Narrative focus	The events/plot that a story is focused on and which characters play key roles.	The <b>narrative focus</b> often shifts between Dr Watson's experience on the moors and Sherlock Holmes' investigation in London.
	Perspective	Someone's <b>perspective</b> is their point of view or opinion.	We often see Sherlock Holmes' <b>perspective</b> through his letters to Dr Watson.
	Red Herring	A clue or piece of information which is misleading or is intended to be <b>misleading</b> or distracting.	Mr and Mrs Barrymore are a <b>red herring</b> in the case of Sir Charles' death.
	StructureStructure is how a story is laid out from beginning, middle to end and the events in between.		The Hound of the Baskervilles follows a classic detective story <b>structure</b> with Dr Watson introducing the mystery.
<b>C</b>	Suspense	<b>Suspense</b> is a feeling where you are left worrying and wondering what will happen next.	When Watson is stranded on the foggy moors, the readers are left with a feel of <b>suspense</b> as they are worried about what will happen to him.
- Correction of the second sec	Tension       A feeling of stress, nervousness, worry and sometimes fear about a specific event.		The mystery of the hound builds <b>tension</b> with every shadowy figure and every howl at night.

Year 9: Baseline assessment on Hound of the Baskervilles

This extract is from the manuscript Dr Mortimer gives Sherlock Holmes in Chapter 2, detailing the myth of the curse of the Baskervilles. At this point the men have gone in search of Sir Hugo who is chasing the maiden with his hound dogs.

Read through the extract then answer the question that follows.

They had gone a mile or two when they passed one of the night shepherds upon the moorlands, and they cried to him to know if he had seen the hunt. And the man, as the story goes, was so crazed with fear that he could scarce speak, but at last he said that he had indeed seen the unhappy maiden, with the hounds upon her track. 'But I have seen more than that,' said he, 'for Hugo Baskerville passed me upon his black mare, and there ran mute behind him such a hound of hell as God forbid should ever be at my heels.' So the drunken squires cursed the shepherd and rode onward. But soon their skins turned cold, for there came a galloping across the moor, and the black mare, dabbled with white froth, went past with trailing bridle and empty saddle. Then the revellers rode close together, for a great fear was on them, but they still followed over the moor, though each, had he been alone, would have been right glad to have turned his horse's head. Riding slowly in this fashion they came at last upon the hounds. These, though known for their valour and their breed, were whimpering in a cluster at the head of a deep dip or goyal, as we call it, upon the moor, some slinking away and some, with starting hackles and staring eyes, gazing down the narrow valley before them.

The company had come to a halt, more sober men, as you may guess, than when they started. The most of them would by no means advance, but three of them, the boldest, or it may be the most drunken, rode forward down the goyal. Now, it opened into a broad space in which stood two of those great stones, still to be seen there, which were set by certain forgotten peoples in the days of old. The moon was shining bright upon the clearing, and there in the centre lay the unhappy maid where she had fallen, dead of fear and of fatigue. But it was not the sight of her body, nor yet was it that of the body of Hugo Baskerville lying near her, which raised the hair upon the heads of these three dare-devil roysterers, but it was that, standing over Hugo, and plucking at his throat, there stood a foul thing, a great, black beast, shaped like a hound, yet larger than any hound that ever mortal eye has rested upon. And even as they looked the thing tore the throat out of Hugo Baskerville, on which, as it turned its blazing eyes and dripping jaws upon them, the three shrieked with fear and rode for dear life, still screaming, across the moor. One, it is said, died that very night of what he had seen, and the other twain were but broken men for the rest of their days.

Such is the tale, my sons, of the coming of the hound which is said to have plagued the family so sorely ever since. If I have set it down it is because that which is clearly known hath less terror than that which is but hinted at and guessed. Nor can it be denied that many of the family have been unhappy in their deaths, which have been sudden, bloody, and mysterious. Yet may we shelter ourselves in the infinite goodness of Providence, which would not forever punish the innocent beyond that third or fourth generation which is threatened in Holy Writ. To that Providence, my sons, I hereby commend you, and I counsel you by way of caution to forbear from crossing the moor in those dark hours when the powers of evil are exalted.

Essay question:

Explore Conan Doyle's presentation of the hound as mysterious and chilling.

You should:

Plan first – three or four points from the beginning, middle and end of the extract.

Include direct quotations as evidence in your answer
Explore how the structure and narrative focus changes and develops throughout the text.

You will be given a question which tells you what to focus your essay on.

The checklist underneath will remind you how to answer the question.

#### Y9 English | Analysing the structure of an extract | Skills Guide

You will be given a <u>blurb</u> to remind you what is happening in the extract.

You will be given an <u>extract</u> from a section of Hound of the Baskervilles.

We are not testing you on anything else.

#### When I analyse structure, I can:

Clearly explain how the narrative focus develops throughout the extract.

Use short quotes as examples of how the focus shifts.

Use subject terminology to describe structural features.

Analyse how the structural features impact the reader.

#### Y9 English | Analysing structure: Annotated Exemplar

In the opening of the extract, the writer deliberately builds up a sense of dread around the hound before he is revealed to the readers. Through **initially** focussing on the shepherd, who is so 'crazed with fear that he could scarce speak', the writer creates a sense of foreboding as we wonder what the shepherd could have seen to scare him so much. The description of the shepherd then shifts to dialogue, as the Shephard reveals he has seen 'a hound of hell.' Here, the use of the supernatural alerts the readers to the terrifying nature of the hound, building the readers' sense of dread and fear. This is further amplified when the writer describes Hugo's riderless horse gallops past them, it's 'empty saddle' signalling to the reader the likely possibility of death.

My first paragraph only **focusses on the opening of the extract**.

I try to summarise the <u>overall effect</u> of the opening section of the extract before I break down how that effect was created.

I use **structural terminology** throughout to describe how the narrative focus shifts and develops.

I use **short quotes** as evidence for the structural features I am describing. <u>I do</u> <u>not analyse the language</u> in these quotes.

I use <u>analytical verbs</u> to explore specifically how the structural features impact the reader.

Challenge: I explore the way the structural features link to and build upon each other to create an overall effect.

#### Y9 English | Structuring a detective story | Skills guide

In Autumn 2, you will write a short section of a longer detective story.

Step 1: <u>Decide</u> what part of the <u>narrative arc</u> your section will be from.

• Do you want to write the beginning, the climax or the resolution?

#### Step 2: Plan your <u>setting</u> and <u>story</u>:

- Will you set your detective story in the Victorian Era or in the present day?
- What gothic setting will you use? Will it be like Dartmoor, or an isolated building
- Who is your detective? What crime are they solving?
- Challenge: Does your detective abide by the law, or take matters into their own hands, like Sherlock?

#### Step 3: Plan your <u>narrator</u>:

- Will the detective narrate the story, or someone else, like Watson?
- Challenge: Can we trust your narrator? Do they make sound ethical judgements?

#### Step 4: Plan your structure:

- How will you introduce a new clue at the opening of your story?
- How will you build up the tension as your detective slowly solves the mystery?
- How will you reveal the answer to the clue at the end of your story? Will the mystery be resolved, or will there be a new clue?

#### When I write a chapter of a mystery story, I can:

Chose appropriate elements of the gothic, detective and mystery genres to use in my writing for effect.

Vary my vocabulary to create specific tones and atmospheres.

Structure my story according to the principles of mystery and detective writing.

Use a variety of techniques to impact my reader.

Use accurate spelling, grammar and punctuation.

**Challenge:** Make deliberate choices about the narrative voice of my story, thinking about how my narrator will guide the reader through the text.

**Challenge:** Consider whether I want to include or subvert some of the contextual factors which led to the creation of gothic fiction.

## French | School facilities | Topic Dictionary

Image	Key Word Definition		In a Sentence
	une salle de classe	a classroom	Dans mon collège il y a des <b>salles de classe.</b>
	une bibliothèque	a library	Dans la bibliothèque, on peut lire un livre.
	une cantine	a canteen	Je n'aime pas manger à <b>la cantine.</b>
	un court de tennis	a tennis court	Pendant le recré je vais au <b>court de tennis</b> .
MA MA JUNMANA	un gazon artificiel	an astro-turf	On n'utilize pas le <b>gazon artificiel.</b>
Ø.	un gymnase	a sports hall	Dans mon collège il y a un <b>gymnase.</b>
	une laboratoire	a lab(oratory)	On a beaucoup de <b>laboratoires.</b>
\$ <u>_</u> \$	un cour	a playground	Je bavarde avec mes amis au <b>cour</b> .
	une piscine a swimming pool		Dans mon collège ideal il y aurait <b>une piscine.</b>
	une grande salle an assembly hall		Les mardis je vais a la <b>grande salle.</b>
نے <b>ا</b>			Il y a <b>une salle de profs.</b>

## French | School uniform | Topic Dictionary

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

## French | My school | Knowledge Organiser

	<u>Check for</u>					Step 3: Discu	uss school rule	es	
K	nowledge:	J'adore / Je déteste		l love / I hate	l love / l hate		as)	You must (not)	
	l can say	J'aime / Je n'aim	e pas	I like / I don't lik	<e a<="" th=""><th>On (ne) peut (p</th><th></th><th>You can(not) It is forbidden</th><th></th></e>	On (ne) peut (p		You can(not) It is forbidden	
	what subjects l	l'espagnol / le fra	nçais / l'anglais	Spanish / Frenc	ch / English	écouter les prof		listen to the teac	hers
	like (Steps	l'histoire / la géog	graphie	History / Geogr	aphy	mâcher du che	wing-gum	chew gum	
	1+4)	Les maths / les sc	iences	Maths / Scienc	e	faire les devoirs		do homework wear uniform	
	l can	Le dessin / l'inform	natique	Art / IT		courir dans le c		run in the corrido	r
	describe my uniform	Parce que c'est		because it is		bavarder en cla utiliser le portat		chat use your phone	
	and give	amusant	fun	barbant	boring			entences with	
	my opinion (Steps 2+4)	facile	easy	difficile	difficult		,		
	Lean	intéressant	interesting	inutile	useless	Je pense que /	Je crois que	I think that	
	l can describe	utile	useful	fatigant	tiring	Je dirais que		I would say that	
	the rules in	le/la prof est sympa/stricte		the teacher is kind/strict		Selon moi À mon avis		According to me	
	my school (Steps 3+4)	Ste	<b>o 2:</b> Describ	e your unifc	e your uniform			In my opinion	
		Je porte		l wear		C'est		It is	
	l can give justified					confortable	comfortable	inconfortable	uncomfortable
	opinions	Il faut porter		You must wear		élégant	stylish	môche	ugly
	(Step 4)	une chemise	a shirt	une cravate	a tie	juste	fair	injuste	unfair
		une veste	a jacket	une jupe	a skirt	joli	pretty	ridicule	ridiculous
		un pantalon	trousers	des baskets	trainers	important	important	agaçant	annoying
		des chaussures	shoes	des chaussettes	socks	nécessaire	necessary	frustrant	frustrating

## French | My School | 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?
J'adore (I love) J'aime (I like) Je n'aime pas (I don't like) Je déteste (I hate)	l'e le l' la géo l' le la le	anglais (English) espagnol(Spanish) français (French) 'histoire (History) egraphie (Geography) informatique (IT) le dessin (Art) l'EPS (PE) théâtre (Drama) musique (Music) es maths (Maths) sciences (Science) ma prof de (my	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	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)
		teacher)			(he/she is)		<b>gentil(le)</b> (kind) <b>drôle</b> (funny)
Dans mon collège (At my school)       on doit (you/one must)         Dans notre collège (at our school)       on peut (you/one can)		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'esttrès (very)(In my opinion it is)un peu (a little)		juste (fair) / logique (logical) / nécessaire (necessary) / raisonnable (reasonable)				(I love Science because according	
Je trouve que c'est (l trop (to		assez (quite) trop (too) vraiment (really)	<b>agaçant</b> (annoying (ridiculous) / <b>inutile</b>	to me it's very entertaining)			

## French | My school | Skills Guide

Connectives

used to link

ideas

Variety of **adjectives** 

Intensifiers

used to add

detail

Opinion

phrases used

to upgrade

answer.

#### Success Criteria:

- Have you introduced yourself?
- Can you give opinions and reasons about school subjects? Have you used the correct word order and adjective endings?
- Can you describe your school uniform? Can you express your opinion about it?
- Can you describe your school rules? Can you give your opinion using an opinion phrase? Could you add an intensifier?

#### Simple answer:

Bonjour, je m'appelle Hélène et mon collège s'appelle St Marks. J'aime l'anglais parce que c'est amusant. Je n'aime pas les sciences parce que c'est difficile. Je porte une chemise blanche et une veste rouge. Dans mon college on doit faire les devoirs.

Extended answer:

**Examples/Complex reasons** given to justify opinions

Bonjour, je m'appelle Hélène et mon collège s'appelle St Marks. J'aime bien l'anglais parce que ça m'intéresse et c'est vraiment utile car je voudrais être journaliste. Cependant, je n'aime pas les sciences puisque c'est difficile et le prof peut être très stricte et desagréable. Mon uniforme scolaire se compose d'une chemise blanche et une veste rouge, mais je le trouve un peu inconfortable. Aussi, dans mon college on doit faire les devoirs, toutefois je crois que c'est assez logique et juste.

## Spanish | School facilities | Topic Dictionary

Image	Key Word	Definition	In a Sentence
	una aula	a classroom	En mi colegio hay muchas <b>aulas.</b>
	una biblioteca	a library	En <b>la biblioteca</b> , se puede leer libros.
	una cafetería	a canteen	No me gusta comer en <b>la cafetería.</b>
	una cancha de tenis	a tennis court	Durante el recreo voy a la <b>cancha de tenis</b> .
MA MA INMAN	un césped artificial	an astro-turf	No se puede usar el <b>césped artificial.</b>
Ø.	un gimnasio	a sports hall	En mi insti hay un <b>gimnasio.</b>
	un laboratorio	a lab(oratory)	Tenemos muchos <b>laboratorios.</b>
₽ <u>́</u> ₽	un patio	a playground	Charlo con mis amgios en el <b>patio</b> .
	una piscina	a swimming pool	Mi colegio ideal tendría <b>una piscina.</b>
	un salon de actos	an assembly hall	Los martes vamos al <b>salon de actos.</b>
نے <sub>ا</sub>	un salon de profes	a staff room	Hay <b>un salon de profes</b> .

## French | Relationships | Topic Dictionary

Image	Key Word	Definition	In a Sentence
	je m'entends bien	I get on well	Je m'entends bien avec ma soeur parce qu'elle est sympa.
101	je me dispute	l argue	Quelquefois <b>je me dispute</b> avec mon frère parce qu'il est énervant.
<b>`</b>	je me chamaille	l bicker	De temps en temps <b>je me chamaille</b> avec mes parents.
	je m'amuse	I have fun	Tous les weekends, <b>je m'amuse</b> avec mes amis.
<b>↓</b>	il / elle me fait rire	He/She makes me laugh	J'adore mon meilleur ami parce qu' <b>il me fait rire</b> .
n)?	il / elle écoute mes problèmes	He/She listens to my problems	Ma mère toujours <b>écoute mes problèmes</b> .
	il / elle croit en moi	He/She believes in me	Ma grand-mère <b>croit en moi</b> .
Í.	il / elle aide tout le monde	He/She helps everyone	J'admire Michelle Obama parce qu' <b>elle aide</b> <b>tout le monde.</b>

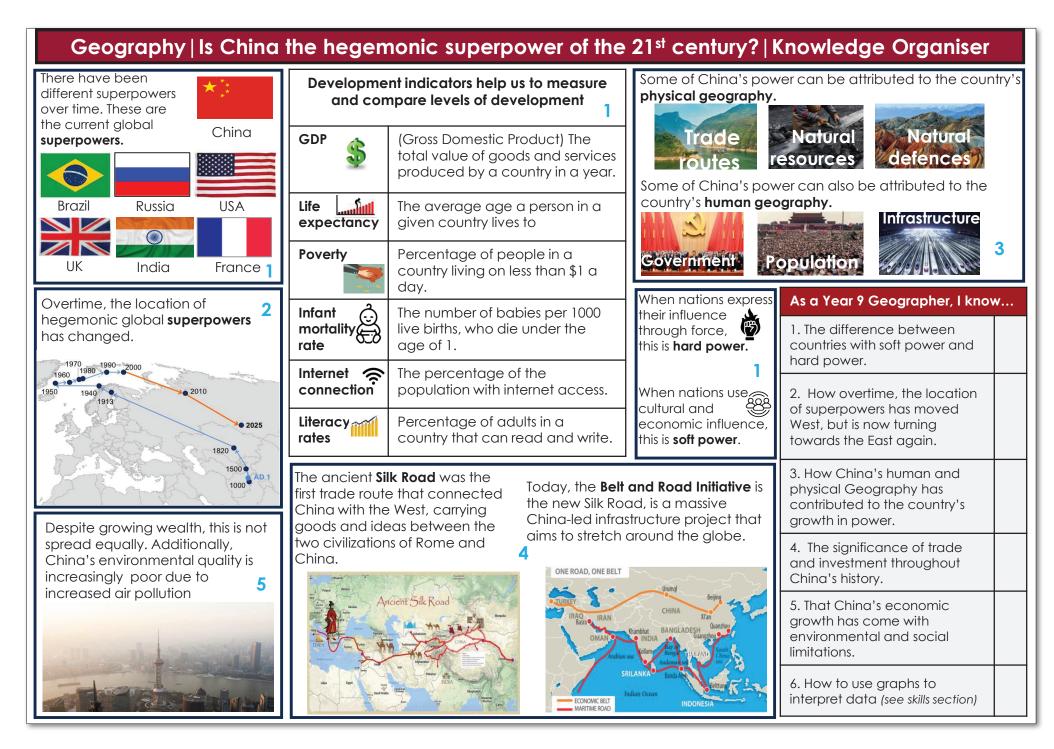
## French | My family & friends | Knowledge Organiser

 neck for	Step 1: Describe your own and others' appearance			Step 3: Saying what mak	es a good friend	
l can	J'ai		I have		Un bon ami(e)	A good friend
describe my	Ma mere / Mon	oère / Mon ami(e) a	My mum / dad /	triend has	Aide tout le monde	Helps everyone
appearance	les yeux bleus / y	verts / marron ns / blonds / noirs	blue / green / bi brown / blond /		Écoute mes problèmes	Listens to my problems
& personaity	les cheveux frisé	s / raides / ondulés	curly / straight /		Croit en moi	Believes in me
(Steps 1+2)	les cheveux long	js / courts	long / short hair		Accepte mes imperfections	Accepts my imperfections
l can	Je suis		Iam			Takes care of me
describe	Ma mère / Mon   grand(e) / petit(		My mum / dad tall / short	/ friend is		Gives me advice
others'	gros(se) / mince		fat / thin			Makes me laugh
appearance			strong / weak			Respects my opinions
and Step 2: Describing your own and others' personality		personality	Respects my opinions			
personality			lam		Step 4: Say who your ro	le model is
(Steps 1+2)	Ma mere / Mon p	oère / Mon ami(e) est	My mum / dao	a / mena is	Mon modèle à suivre est	My role model is
l can say		en avec ma mère / ma	I get on well wi	'	J'admire	I admire
what makes	soeur parce qu'e	elle est	sister because		il/elle a beaucoup de talent	he/she has a lot of talent
a good	Je me dispute av frère parce qu'il	vec mon père / mon	l argue with my because he is.	y dad / brother	il/elle a beaucoup de succès	he/she has a lot of success
friend (Step					il/elle a beaucoup de	he/she has a lot of
3)	sympa	nice	méchant(e)	mean	détermination	determination
l can say	gentil(le)	kind	sévère	strict	il/elle lutte contre la pauvreté	he/she fights against poverty
who my role	drôle	funny	têtu(e)	stubborn	il/elle lutte pour les droits humains	he/she fights for human rights
model is	patiente(e)	patient	impatient(e)	impatient		
(Step 4)	généreux/se	generous	énervant(e)	annoying	il/elle utilise leur celebrité pour aider les autres	he/she uses their fame to help others

## French | My family & friends | 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?
Je m'entends bien avec (I get on well with) Je me dispute avec (I argue with) Je me chamaille avec (I bicker with) Je m'amuse avec (I have fun with)	ma mère (mum) ma soeur (sister) mon (meilleure) amie (best friend - f) ma grand-mère (grandmother) mon père (father) mon frère (brother) mon (meileur) ami (best friend – m) mon grand-père (grandfather) mon/ma prof (my teacher)	parce que (because) mais (but) et (and) cependant (however)	je pense que / je crois <u>que</u> (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)	elle est (she is) il est (he is)	très (very) assez (quite) vraiment (really) un peu (a bit)	sympa (nice) gentil(le) (kind) drôle (funny) patient(e) (patient) généreux/se (generous) méchant(e) (mean) sévère(strict) têtu(e) (stubborn) énervant(e) (annoying) impatient(e) (impatient)
Mon modèle à suivre est My role model is J'admire I admire	ma mère / ma soeur / mon (meilleure) amie / ma grand-mère / ma prof mon père / mon frère / mon (meileur) ami / mon grand-père / mon prof	parce que (because) car (because) et (and)	<u>gue</u> (I think that) <u>je dirais que</u> (I would say that) <u>selon moi</u> (according to me) <u>à mon avis</u> (in my opinion)	il/elle a beaucoup de to determination (he/she h talent / success / deterr il/elle lutte contre la pau les droits humains (he/sl against poverty / for hun il/elle utilise leur celebri les autres (he/she uses t help others)	nas a lot of mination) <b>uvreté / pour</b> me fights man rights) <b>té pour aider</b>	Example: Je m'entends bien avec mon père parce que selon moi il est très gentil. (I get on well with my dad because according to me he is very kind)



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### Geography | Is China the hegemonic superpower of the 21<sup>st</sup> century? | Topic Dictionary

Image	Key word	Definition	In a sentence
A.	debt	The sum of money that is borrowed for a certain period and is to be returned.	If Mr Harvey borrowed $\pounds10$ from the bank he would be in <b>debt</b> .
	deficit	A deficit is a shortfall or loss. A deficit can occur when a government, company, or person spends more than it receives.	If Miss Alford bought a laptop for $\pounds250$ and sold it for $\pounds150$ , she would have a <b>deficit</b> .
ス ス (O) た て な	exports	Sending (goods or services) to another country for sale. This makes money.	China <b>exported</b> \$238.08 billion worth of smartphones in 2022.
Ò	hard power	How nations express their influence through force. Force could be in the form of threats, economic sanctions, or military force.	Russia is currently exhibiting <b>hard power</b> through using military force against Ukraine to try and take over territory.
· •	hegemony	The dominance of one group over another.	The British Empire used its economic and military power to hold a <b>hegemony</b> for over 300 years .
	human geography	The study of where and how people live, work and travel around.	Year 9 students were learning about people who live in China in their <b>human geography</b> lesson.
a a b	imports	A good or service bought in one country that was produced in another. This costs money.	The UK <b>imports</b> bananas from South America.
	inequality	The difference between levels of quality of life, income, health and education.	The world is <b>unequal:</b> the world's richest 1% have more than twice as much wealth as 6.9 Billion people.
× Aco	physical geography	The study of the natural landscapes and features of the Earth.	Year 7 students learnt abut rivers in their <b>physical geography</b> lesson.
	pollution	The presence of a substance which has harmful or poisonous effects.	The levels of <b>pollution</b> in the air are rising.
889 889	soft power	The use of a country's cultural and economic influence to persuade other countries to do something (rather than the use of military power).	The cultural attractiveness of a nation to another nation is an example of <b>soft power</b> . For example, Disney + (a US product) is now available in 107 countries around the world.
	superpower	A country/nation that can project its power and influence anywhere in the world and is a dominant global force.	Year 9 students are going to assess whether China is a <b>superpower</b> .
~	sustainable	Meeting the needs of people today without compromising the needs of people in the future.	Solar energy is <b>sustainable</b> because it reduces air pollution.
	trade	The action of buying and selling goods and services.	There is a move to ban all <b>trade</b> in ivory.

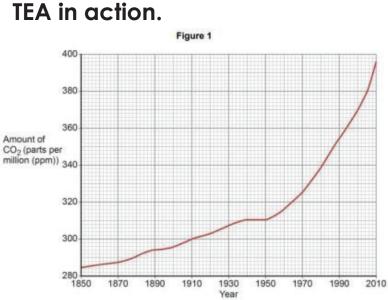
### Geography | Is China the hegemonic superpower of the 21st century? | Skills Guide

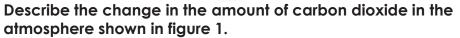
### Interpreting graphs

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

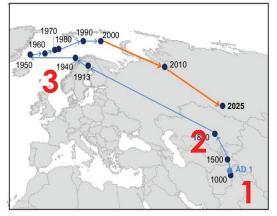
Trend – what this the overall pattern of the graph.

Examples – pick out examples that support the overall pattern Anomalies – is there any part of the data that doesn't fit the overall trend



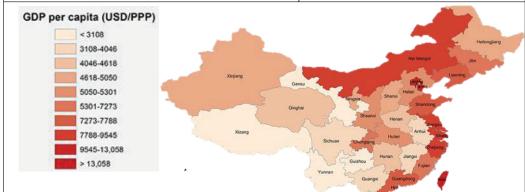


Overall, the graph shows an increase in the amount of carbon dioxide (CO2). In 1850 there was 284 ppm however the amount increases steadily until 1950 where there was 310 ppm but after that it increases rapidly 396 ppm in 2010. From 1940 to 1950 however, there was no significant increase in the amount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



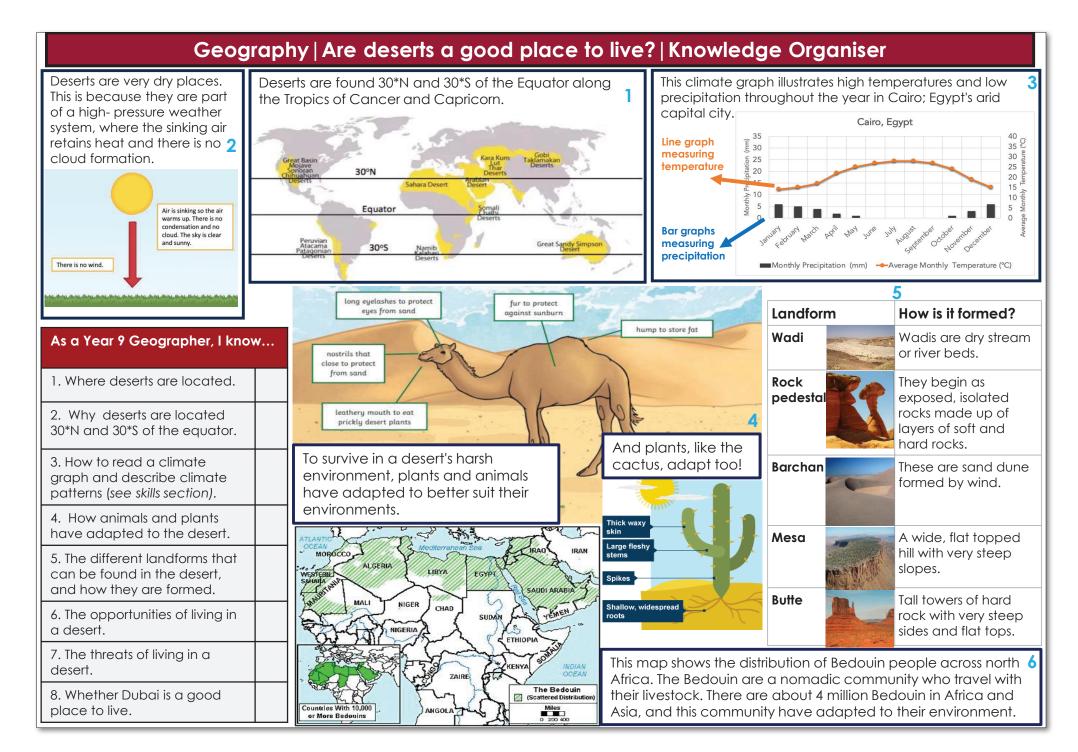
Where have superpowers been located overtime?

Overall, the figure shows that overtime, the location of superpowers moved west until 1960. For example, the first superpower was location in Mesopotamia in AD 1, however by 1960, the foci of power had moved west due to the USA's rise in power. However, after 1990, the power shifts east again, with China predicted to be the central point of power by 2030.



Describe the income inequality in China.

The income is higher in the east of China, for example in Beijing and Shanghai where GDP is above \$9545 per person. The income is less in the west of the country, for example in Xizang, where GDP is below \$3108 per person. However, an anomaly is Heilongjiang in the north east, where GDP is below \$5050 per person.



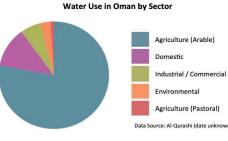
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	Ge	ography   Are deserts a good place to live?	Topic Dictionary
Image	Key word	Definition	In a sentence
	abiotic	A non-living part of an ecosystem that shapes its environment.	Sand is an <b>abiotic</b> feature of a desert.
ĉ	adaptation	The process by which plants and animals change their characteristics to survive and thrive in desert environments.	A camel has <b>adapted</b> to the desert through certain characteristics such as having long eyelashes.
- Y.K	arid	Having little or no rainfall; extremely dry.	The desert is an <b>arid</b> environment.
8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	biotic	A living organism.	Fennec foxes are a <b>biotic</b> presence in a desert environment.
(FI	climate	The average weather conditions of a location over a long period of time.	The <b>climate</b> of a desert is hot and dry all year round.
<u>սի ս</u>	desert	A dry and barren region with little rainfall, characterized by extreme temperatures and sparse vegetation.	An example is a <b>desert</b> is the Sahara Desert in northern Africa.
Ø	drought	An extended period of time with significantly reduced precipitation, leading to water scarcity and dry conditions.	Places with <b>drought</b> are difficult to live in.
	dune	A hill or ridge of sand that is formed and shaped by wind.	The desert is full of <b>dunes</b> , which are difficult to climb up.
	ecosystem	A community of living organisms (plants and animals) sharing an environment.	<b>Ecosystems</b> vary in size from a pond to a rainforest!
	erosion	Erosion is the geological process in which materials are worn away and transported by natural forces such as wind or water.	The landscape was shaped by <b>erosion</b> .
	nomad	A person or group of people who move from place to place, often in search of water and grazing land for their livestock.	The Bedouin people are a <b>nomadic</b> tribe that live in the desert.
	mirage	An optical illusion in which objects or bodies of water appear to be displaced or distorted due to the refraction of light in hot desert air.	People can often get tricked in the desert by thinking they see water when it is actually a mirage.
	oasis	A fertile area in a desert, usually surrounding a water source, where vegetation can grow.	Lots of wildlife can be spotted at an <b>oasis.</b>
$(\underline{)}$	threat	The possibility that something unwanted will happen.	In a desert, there is a <b>threat</b> of drought.
۵ ۵ ۵	water security	The ability to access sufficient (enough) quantities of clean water to maintain adequate standards of food and goods production, proper sanitation (flushing toilets), and sustainable health care.	In hot, dry climates, there is a high level of <b>water insecurity.</b>

### Geography | Are deserts a good place to live? | Skills Guide

### Interpreting graphs

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



The pie chart illustrates that most of the water used in Oman is for arable agriculture. Just over <sup>3</sup>/<sub>4</sub> of the water is used for this. The second most popular use is for domestic use. However, the least common use for water is for pastoral agriculture, contrasting with

Describe the water usage in Oman as shown in the pie chart. the frequent arable agriculture usage.

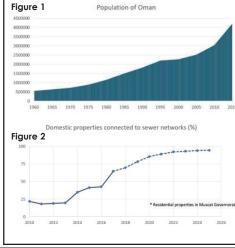
Consequently...

As a result...

Therefore...

## Explaining in Geography using CATT statements

**Explain** - Set out purposes or reasons/ Say why something happens.



#### This means that... What social problems can you see from the data presented?

 $\mathbf{O}$ 

Figure 1 illustrates Oman's rapidly growing population. However, figure 2 demonstrates that the number of properties with a flushing toilet is only increasingly slowly. **This means that** many houses will be without proper sanitation, and **consequently** the standard of living will be reduced. **As a result of** not having a proper sewage system, people are more "likely to catch diseases, increasingly the chance of health-related death.

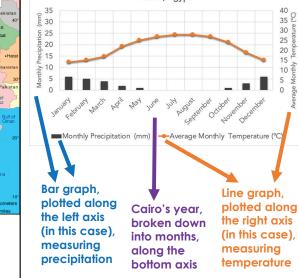


#### Includes place names

direction

Dubai is a city located in the country of the United Arab Emirates (UAE). The UAE is in the Middle East, west of Saudi Arabia, and north west of Oman. Dubai is located on the south east coast of the Persian Gulf.





The climate graph demonstrates a climate in Cairo with little precipitation, but a variety of temperatures. As the bar graph shows, highest amount of rain falls in January and December at 5mm, however there is no rain between June and October. The temperature has an inverse relationship with the precipitation measurements, as the line graph shows it is hottest when there is no rainfall, reaching on average 30 degrees Celsius in July and August. The lowest average temperature is 12 degrees in January.





#### History | Why is World War One known as the Great War? | Topic Dictionary Key Word Image Definition In a sentence... (noun) an agreement for protection The countries formed an **alliance**. alliance conscientious Conscientious objectors were given white (noun) someone who refused to fight for moral reasons objector feathers to mark them out as cowards. -4 (noun) the compulsory order for all men aged 18-41 to join **Conscription** was introduced in Britain in conscription 1916. the armv (noun) extending the power of a country by colonising Countries built up empires because of imperialism Π imperialism. others 9 (noun) the emperor of Germany kaiser Kaiser Wilhelm II abdicated in 1918. (noun) the belief a country should keep a strong military for Militarism meant countries invested in their militarism ..... defence armies and new weapons. ß Nationalism led to competition between (noun) the belief that your country is superior to others nationalism the powers. Soldiers went over the top into No Man's (noun) the dangerous area between the trenches No Man's Land Land. MAN: The government used propaganda to (noun) Information used to promote a political cause or propaganda Annin A point of view. convince people to join the war effort. Communist Russia 1900-1953 World War Two World War One 1939-1945 1914-1918 1900AD 1950AD 2000AD Mao's China 1943-1976 20<sup>th</sup> Century Genocide 1933-1991 The Modern World 1901-2000



#### LONG TERM CAUSES Militarism

Countries built up their armies and navies to compete.

#### **Nationalism**

Different countries were certain their way of life was best, and leaders were convinced the best way to prove this was to ao to war with each other.

#### Imperialism

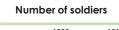
Nations wanted big empires, and control of Africa in particular. Meanwhile, Austria-Hungary did not want the countries it ruled to claim independence.

#### Alliances

Powerful countries allied with each other to dissuade attack.

#### As a Year 9 Historian I know ...

1.	the long-term causes of WW1.	
2.	the short-term causes of WW1.	
3.	who fought in WW1.	
4.	what life was like for soldiers on the front.	
5.	what life was like for women in the war.	
	what the Christmas ce was.	



1.

German

France

Russia







The Black Hand were young Serbian army officers who wanted to unite all Serbs in Bosnia under Serbian rule. Archduke Franz Ferdinand was the heir to the empire of Austria-Hungary, and visited

Saraievo in Bosnia. He and his wife were assassinated by Gavrilo Princip, a member of the Black Hand. 2.

This triggered the system of alliances; Austria-Hungary declared war on Serbia, which Russia had mobilised its army to help. Germany declared war on Russia to help its ally Austria-Hungary. Then France mobilised to help its ally Russia, and Germany declared war on France.

When war broke out in 1914, the British government asked for volunteers aged 19-30. Some signed up with friends in Pals Battalions. By September 1914, 736,000 men had signed up. By 1916, the number was 2.5

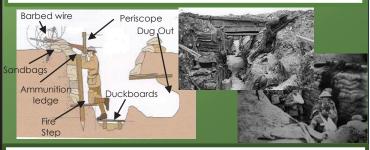
Inspired by the same **propaganda** as was shown in Britain, many soldiers from the empire signed up to defend the "mother country".



**Trenches** were dug to protect soldiers from 4. machine aun fire and artillery. Soldiers would live and fight in them, and sleep in dug-outs in the side of the trench.

Conditions were very **dangerous**; soldiers got **sick** from the constant damp, infections were common, and clouds of deadly **gas** might drift in. Men were sent "over the top" across No Man's Land-miles of mud, shrapnel and barbed wire-to try and reach the other side.

By the end of 1914, after only 5 months of fighting, there were 4 million dead and wounded.



In Britain, women worked to produce food in the Women's Land Army, and in factories producing weapons and explosives. Women who worked in munitions factories were known as "canary girls" because working with sulphur and TNT turned their skin yellow and made them sick.

On the front, women worked in the army as part of Queen Mary's Army Auxiliary Corps, doing jobs in offices, canteens, transport, stores and army bases. Most famously, women worked as **nurses** in the Voluntary Aid Detachment and First Aid Nursing Yeomanry. These women worked behind the front lines of battle in army hospitals, on troop trains and on transport ships. 5.

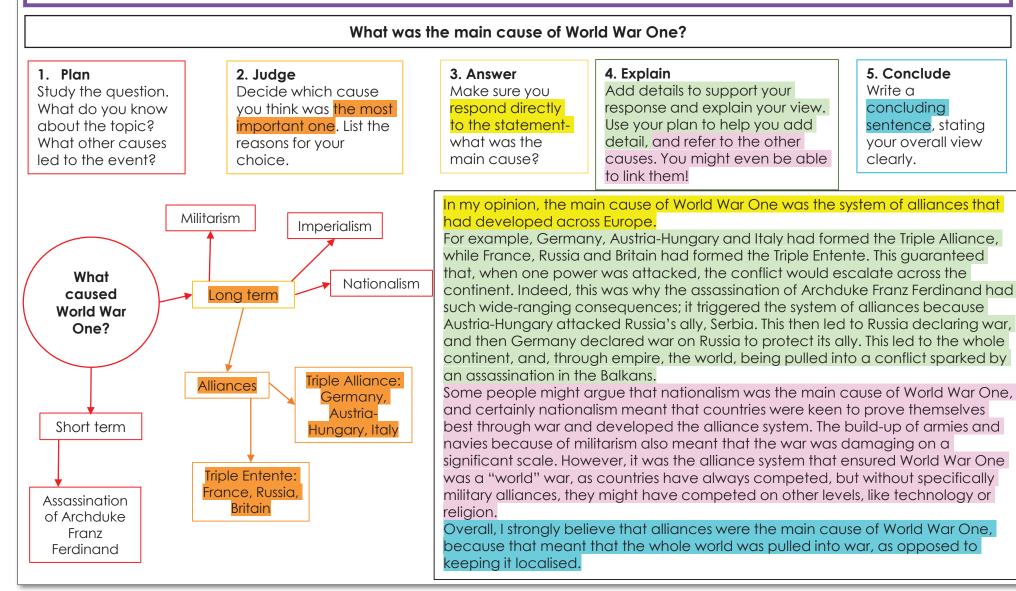


In December 1914, British and German soldiers decided to stop fighting to exchange gifts, bury their dead, and play football. 6.

### History Causation Skills Guide

Historians use the term 'causes' – or reasons – to describe the **things that made events happen**. When historians try to work out **different causes** of historical events, they need to be able to **justify** why they think **one cause (or reason) is more important than another.** 





## History | What was the impact of the Russian Revolution? | Topic Dictionary

Image	Key Word	Definition	In a sentence
	collectivisation	(noun) the act of joining several private farms together so they are owned and run by the government	Stalin's key agricultural policy was <b>collectivisation</b> .
	communism	(noun) an economic system in which the government or whole community owns things together, and shares their wealth.	Some opponents of the tsar turned to <b>communism</b> .
	democracy	(noun) a form of government in which the people control the creation of laws	The general election is an example of <b>democracy</b> in action.
ල්ඩ් 🗍	dictatorship	(noun) a form of government where the leader has total power and will disregard the rights of individual citizens	Stalin arrested and executed many opponents during his <b>dictatorship</b> .
	peasantry	(noun) the class of people who work on farms and have very little	The average life expectancy for a member of the <b>peasantry</b> was 40.
୍ଷି ଅନୁସାର	revolution	(noun) the usually violent attempt by many people to end the rule of one government and start a new one	Lenin and the Bolsheviks led a communist <b>revolution</b> in Russia in 1917.
900AD	World War One 1914-1918	Communist Russia 1900-1953 World War Two 1939-1945 1950AD Mao's China 1943-1976 20 <sup>th</sup> Century Genocid 1933-1991 The Modern World 1901-2000	20004 de

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변화 🛛 Dictatorship	Democracy		Kc or
There are no free elections to change the government.	People can follow any religion they wish.		ex Co lai
The government controls the media allowing people to see and hear only what it wants them to.	Everyone can vote and help to choose the government in a secret ballot.		nc
People who criticise the government may be imprisoned or tortured.	A government has a limited time in power, after which voters can choose a different government.		
Protests and demonstrations are banned and anyone who tries to protest is arrested.	Government is by the people, for the people, without one person having control over everything.		E
One person has absolute power to rule over a country or a state.	Students are taught to think for themselves and to discuss and have their own points of view.		

Karl Marx said the history of the world is a history of class struggle. He said there would one day be a revolution where the working classes overthrew the upper classes that exploited them and developed a fairer world.

**Communism means that everything is shared– food, jobs, belongings. No-one owns land.** The workers take control of the country to produce things for everyone. Because nothing is made for profit, all people benefit from education and health.



About 80% of Russians in 1900 were peasants who worked the land. Meanwhile Tsar Nicholas II and the ruling class of aristocrats lived in luxury. Tsar Nicholas had absolute power, and believed God had given it to him... but so did most peasants, because they were so religious!

Tsar Nicholas became less popular because...

- The tsar's soldiers opened fire on people delivering a petition in 1905.



3

Nicholas ignored the Duma (elected parliament).

- Rasputin, welcomed as a miracle worker by the tsarina in 1908, was unpopular. Pyotr Stolypin, the PM who tried to introduce reforms, was assassinated in 1911.
- In WW1 Russia ran out of supplies, and suffered over 9 million casualties by 1917.



**Lenin** redistributed I and amongst the peasantry, and nationalised the banks and industry. It also withdrew from WW1, and killed or imprisoned tens of thousands of opponents in the **Red Terror**.

After Lenin died in January 1924, **Josef Stalin** took over. His **Five Year Plan** involved **collectivisation** of agriculture, the government setting industries very high targets, and over 1500 new factories and 100 new industrial towns being built. Stalin had a huge police force, and anyone who criticised him was tortured, arrested, and either executed or sent to a labour camp. In **1934**, the **Stalinist Purges** began, killing about 10 million people perceived to be enemies of the regime, including teachers and miners. The government controlled all newspapers, books and films. Religion was banned, and propaganda was designed to convince everyone Stalin was great.

The **Red Scare**, a fear that immigrants from Eastern Europe would bring communism with them, was fuelled in America. Two Italian immigrants, Sacco and Vanzetti, were arrested in 1921 and executed in 1927 for robbery and murder. They were unlikely to be guilty, but were still killed because they were anarchists.

#### As a Year 9 Historian I know ...

1.	The difference between a dictatorship and a democracy.	
2.	What communism is.	
3.	Why Tsar Nicholas II was unpopular.	
4.	The events of the March Revolution.	
5.	The consequences of the revolution for Russia.	
6.	The consequences of the revolution abroad.	

The Bolsheviks were a group of communist revolutionaries, led by a man called Vladimir Lenin.

March 1917- The tsar abdicates and the Provisional Government takes over. Prices continue to rise, food gets more expensive, and peasants still don't own land. April 1917- Lenin publishes his "April Theses", offering people "Peace, Land and Bread."

August 1917- General Kornilov tries to restore the tsar by violent revolution and the Provisional Government has to ask the Bolsheviks to step in. The Bolsheviks make an army, the Red Guard, and become very popular. November 1917- Because the Prime Minister Kerensky has arrested Red Guard leaders, Bolsheviks, led by Lenin's right hand man Trotsky, take over government buildings, banks and the railway station. Then, they move to take over the Winter Palace, HQ of the Provisional Government, with 800,000 members. There was no resistance.

July 1918- Tsar Nicholas and his family are shot and killed in the cellar of the house in which they were being held captive.

### History Interpretations Skills Guide

Historians study different kinds of evidence to help them understand the past. Sources are evidence from the period you are studying, and provide the information to create **interpretations**. An interpretation is created after the event or period being studied, and expresses a particular opinion about it. For example, a historian might write their view about a particular moment in history, or a writer might create a movie to show a particular viewpoint.

It is important to work out what message the person who created the interpretation is trying to get across before comparing it to others.

#### To what extent do you agree with Interpretation A about the role of Lenin in the Russian Revolution?

Lenin was a figurehead of the revolution, but he was not its creator. The once near-

godlike devotion evoked by the tsar was shattered by the bloody treatment of the petitioners of 1905, and once that perception was broken, there was no way for it to be restored.

From then, a thread of distrust and anxiety wound through Russian society, and the tsar had neither the skill nor the motivation to unpick it. From trusting the "Mad Monk" over the elected Duma, to riding to the front in 1914 and leaving his German tsarina in charge, Nicholas fumbled at every point. By the time Russian society creaked under supply shortages and the weight of 9 million war dead in 1917, the revolution that started was not for Lenin, or communism. It was simply against the tsar.

INTERPRETATION A Written by a History teacher in London, 2024

STEP ONE: What does the interpretation say about Lenin?

**STEP TWO:** What is the overall message of the source?

**STEP THREE:** Do you agree with the source?

- What evidence can you find to support its view?
- What evidence can you find to challenge its view?
- Overall, how far do you agree?

#### **STEP FOUR:** Explain with a **PEEL** paragraph.

To some extent I agree with Interpretation A, which argues that Lenin was not the main cause of the Russian Revolution in 1917, and that the tsar's incompetence was the real reason for the revolution. Nicholas certainly lost the trust of his people, as proven by the increase in rebellions after 1905, and during the war. However, I do not entirely agree that Lenin's presence was inconsequential; if Russians had simply wanted the tsar out, finding 800.000 Bolsheviks keen to storm the Winter Palace and take control from the Provisional Government in November 1917 would have been impossible. Lenin also gained huge support after publishing his April Theses, which promised "peace, land and bread"- so significant was this support that the government had to ask the Bolsheviks to put down Kornilov's revolt. The continuation of the revolution after March, and the undeniable impact of the April Theses, challenge Interpretation A. Therefore, while I agree to some extent that the tsar's conduct was a more significant cause, Lenin's ability to crystallise support, and turn that support into a specifically communist movement, made him undeniably more impactful than this interpretation suggests.

## IT | Big Data | Knowledge Organiser

As a Y9 IT student I can Format a spreadsheet using:	This is cell C4	в	D	x I Micros	S
Borders	1				
Background colour	2			<b>Big Data</b> Due to increase in int	łe
Currency formatting	3	•		volume of data is gro	
Conditional formatting	4			rate. Big data is a co	
Use <b>formulas</b> involving:	5			huge and complex t	h
Addition	6			traditional managem	
Subtraction				store or process it eff	
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Use the <b>functions</b> :		÷ 0		demand for data sci	
COUNTIF	Formulas Starts with =			Functions	
MODE	To add: +	Name	What it does		
MAX	To subtract: -	MAX	Finds bigges		
MIN	To multiply: * To divide: /	MIN	Finds smalles		
AVERAGE		SUM	Adds up all t		
SUM	Functions	COUNTA	•	cells which aren't empty	
COUNTA	Starts with = Use brackets ()			· ·	-
Insert a graph and change:	Write the first	AVERAGE	Finds the me	ean average	
Chart title	cell, and last cell in the	MODE	Finds the mo number	odal (most common)	
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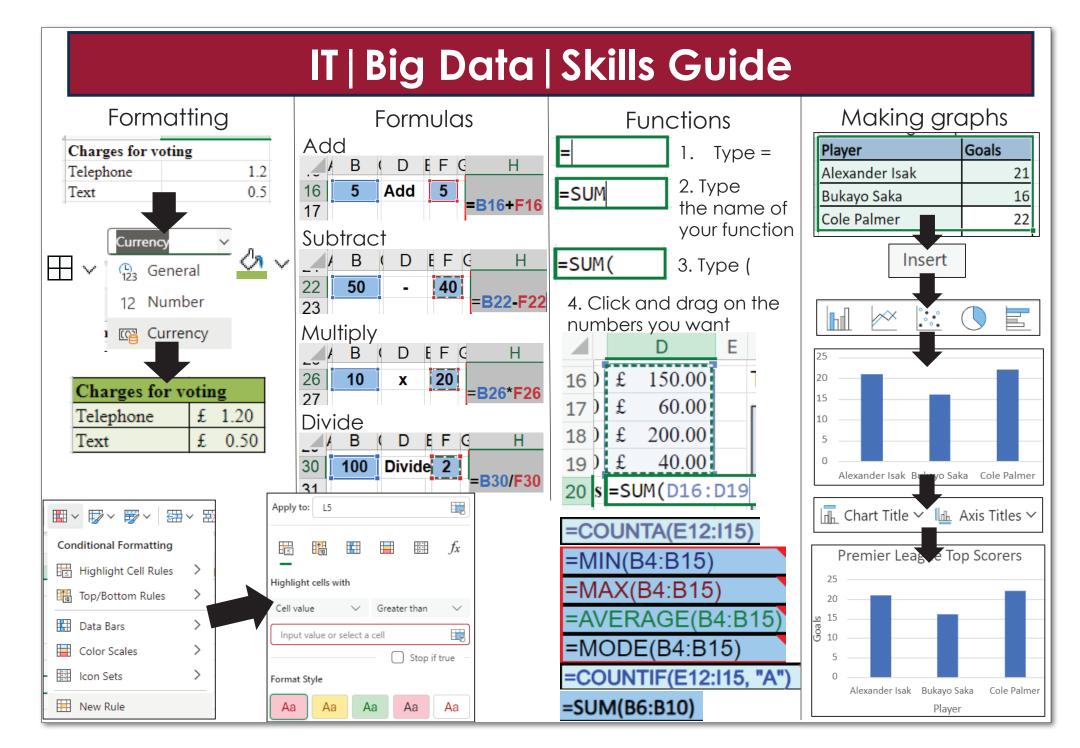
## soft Excel

ternet usage, the owing at a very fast llection of data so hat nent tools cannot iciently. We see big letflix recommends increasing amount ted, there is a rising entists and analysts.

	Starts with =	Functions				
MODE	To add: +	Name	What it does	Example		
MAX	To subtract: - To multiply: *	MAX	Finds biggest number	=MAX(A1:A8)		
MIN	To divide: /	MIN	Finds smallest number	=MIN(B3:F3)		
AVERAGE		SUM	Adds up all the numbers	=SUM(A2:C9)		
SUM	<b>Functions</b> Starts with =	COUNTA	Counts the cells which aren't empty	=COUNTA(D2:D10)		
COUNTA Insert a <b>graph</b> and change:	Use brackets () Write the first	AVERAGE	Finds the mean average	=AVERAGE(C3:H3)		
Chart title	cell, and last cell in the	MODE	Finds the modal (most common) number	=MODE(J2:J12)		
Axis titles Colour	Use colons :	COUNTIF	Counts the cells if they meet are certain condition	=COUNTIF(E3:E7, 200)		

### IT | Big Data | Topic Dictionary

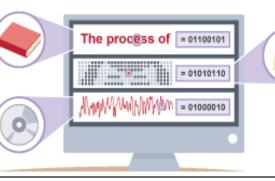
Word	Definition	In a sentence
average	The result when numbers in a list are added together, and then divided by the amount of numbers there are.	I used the <b>AVERAGE function</b> to work out the <b>average</b> on a list of numbers.
axis titles	The labels for the 2 lines (axis) on a bar chart.	So I can know what my graph is showing, it will need to have <b>axis titles</b> .
bar chart	A graph that uses rectangles to show data.	I created a <b>bar chart</b> to present my <b>data</b> .
big data	A collection of a large amount of <b>data.</b>	Netflix uses <b>big data</b> about viewing history to give personalised recommended films.
cell reference	The letter and number that describes a <b>cell's</b> position on a <b>spreadsheet</b> .	I am looking at the <b>cell reference</b> B2.
cell	A box on a <b>spreadsheet.</b>	I selected a <b>cell</b> on the <b>spreadsheet</b> .
data	Facts and figures.	I collected <b>data</b> about student's favourite subject.
format	The presentation and layout of work.	I am working to improve the <b>format</b> of my <b>data</b> .
formula	A mathematical calculation.	To complete calculations on my <b>spreadsheet</b> I will type in a <b>formula</b> .
function	Words used on a <b>spreadsheet</b> to complete maths calculations.	I can type in a <b>function</b> to find the total of my numbers.
information	Facts and figures that have been organised, so they have context and meaning.	I am organising my <b>data</b> so it can become <b>information</b> .
maximum	The highest number in a list.	The <b>maximum</b> (highest) value in my list is 15, which I found using the <b>MAX function</b> .
minimum	The lowest number in a list.	I know I can use the <b>MIN function</b> to find the lowest number in a list – the <b>minimum</b> .
mode	The most common number in a list.	The <b>MODE function</b> has given the value 7, so I know 7 is the most common number in my list.
pie chart	A graph that is a circle (like a pie), divided up into sections to show <b>data</b> .	I can understand <b>data</b> by viewing it in a <b>pie chart</b> .
spreadsheet	A grid on <b>Excel</b> that is used to work with data.	I plan out my money on a <b>spreadsheet.</b>
sum	The total when numbers are all added together.	I need to find out the total cost of some items, so I will use the <b>SUM function</b> .



## IT | E-Safety, Binary & Bebras | Knowledge Organiser

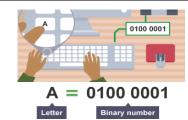
#### **Representing data**

All data inside a computer is transmitted as a series of electrical signals that are either **on** or **off**. Therefore, in order for a computer to be able to process any kind of data, including text, images and sound, they must be converted into **binary** form.



#### Representing text

When any key on a keyboard is pressed, it is converted into a binary number.



#### E-safety: top 5 tips

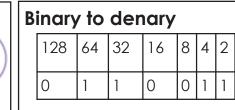
- 1. Think before you post.
- 2. Don't share personal details.
- 3. Think about who you're talking to.
- Never give out your password.
   Cover your webcam.



images				]	0	0	0	1	1	1	1	0	0	0
					0	0	0	1	0	0	1	0	0	0
The colour at				$\longrightarrow$	0	0	0	1	0	0	1	0	0	0
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an image can				$\longrightarrow$	1	1	1	0	0	0	0		1	
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be written as a				$\longrightarrow$	1	0	1	0	0	0	0	1	0	
				$\rightarrow$	1	0	1	0	0	0	0	1	0	
binary number.				-	_									

	Difficulty	Correct	Incorrect
Practice for	А	+6 points	0 points
Bebras 🛒	В	+9 points	-2 points
Go to <u>bebras.uk</u>	С	+12 points	-4 points

As a Y9 IT student I can			
Convert binary to denary			
Convert denary to binary			
Understand how text converts into binary			
Understand how images convert into binary			
Protect myself online			
Use Outlook, Bromcom, Teams & Office			



64 + 32 + 4 + 2 = 102

 $\cap$ 

Denary to binary Make 135 with top row numbers

135 = 128 + 4 + 2 + 1

128	64	32	16	8	4	2	1
1	0	0	0	0	1	1	1



**Teams** - complete your IT classwork.

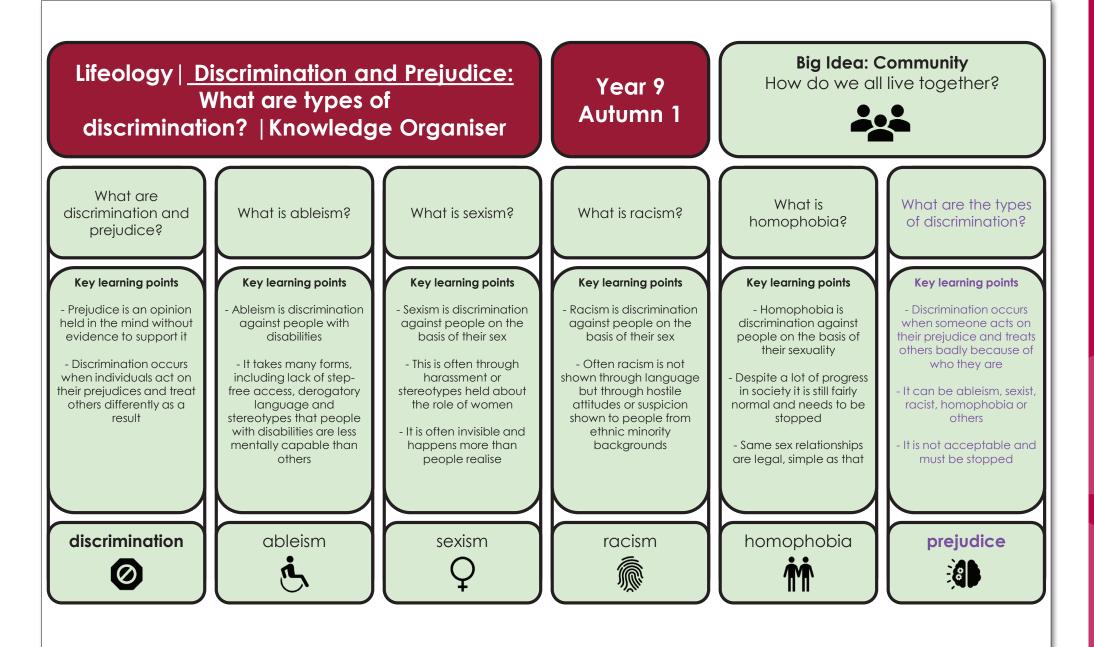
**Office 365** – access lots of different Microsoft software.

	IT  E-Safety, Binary & Bebras	Topic Dictionary
Word	Definition	In a sentence
ASCII	American Standard Code for Information Interchange. A 7- bit character set used for representing English keyboard characters.	The <b>ASCII</b> code takes each character on the keyboard and assigns it a <b>binary</b> number.
bias	Favour shown for one person, group, thing or opinion over another.	When we write, we often – either purposefully or accidentally – introduce <b>bias</b> .
binary	A number system that contains two symbols, 0 and 1. Also known as base 2.	2 converted into <b>binary</b> is 10.
bit	The smallest unit of data in computing represented by a 1 in <b>binary</b> .	The <b>denary</b> number 3 is represented using two <b>bits</b> in <b>binary</b> - 11.
colour depth	The number of <b>bits</b> available for colours in an image.	This image has lots of different shades of colours – it has great <b>colour depth</b> .
cyberbullying	The bullying of another person using the internet, mobile phones and other digital devices.	<b>Cyberbullying</b> can take the form of posts on forums or social media, text messages or emails, all with the aim of hurting the victim.
data	Facts and figures.	I collected <b>data</b> about students' favourite subjects.
data representation	The way data, like text, is presented and stored.	For a computer, its <b>data representation</b> is in <b>binary</b> .
denary	The number system most commonly used by people. It contains 10 unique digits 0 to 9. Also known as decimal or base 10.	'a' has the <b>binary</b> number 0110 0001 which is the <b>denary</b> number 97.
metadata	Data about data	Computers need <b>metadata</b> to know the size of an image.
pixel	Picture element - a single dot of colour in a digital image or on a computer screen.	The downside of having more <b>pixels</b> is that the image's file size will be bigger.
resolution	The fineness of detail that can be seen in an image - the higher the <b>resolution</b> of an image, the more detail it holds. In computing terms, resolution is measured in dots per inch (dpi).	An image with a high <b>resolution</b> has more <b>pixels</b> , so it looks a lot better.
Unicode	A system of encoding text in computing widely used on the internet.	<b>Unicode</b> , was created so that computers could be used by people using different languages.

## IT | E-Safety, Binary & Bebras | Skills Guide

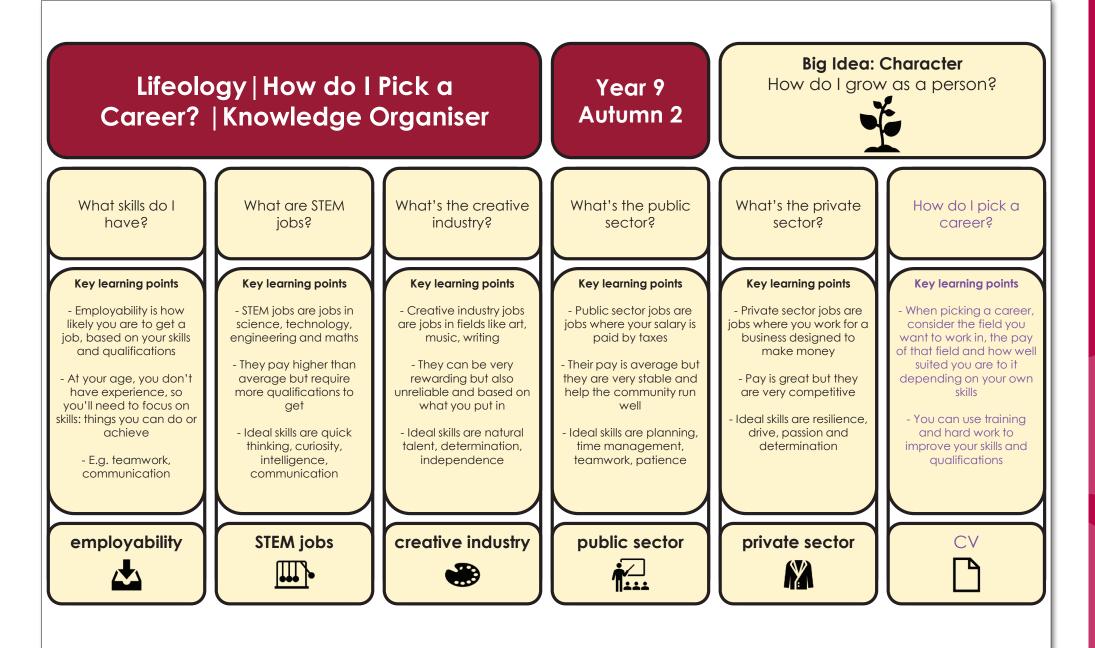
#### Binary to denary conversion Denary to binary conversion Example Method Method Example 1. Draw the table 1. Draw the table Convert 134 into binary Convert 01100110 to denary 2. Fill in the top 2. Fill in the top 134 is bigger than 128 so put a 1 below 32 8 128 64 16 4 2 row (start with row (you can start 128, 134 - 128 = 60 1 0 0 0 1 and then with 1 and then There is 6 leftover, 6 is smaller than 32, 16 and 8 so put 0s below them. 6 is bigger keep doubling) keep doubling) 64 + 32 + 0 + 0 + 4 + 2 + 0 = 102 than 4 so put a 1 below 4.6 – 4 = 23. Write in the 3. Look at the table. Now there is 2 leftover. Put a 1 below 2. Convert 10100100 to denary Which numbers add binary number 2 - 2 = 0. 4. Add up the up to my number? 2 32 8 128 64 16 4 Finished so fill 0 into empty spaces in the 4. Write a 1 below the numbers with a table. 0 0 1 $\cap$ 1 0 0 1 below them numbers you use 128 32 2 8 64 16 4 1 128 + 0 + 32 + 0 + 0 + 4 + 0 + 0 = 1640 (0 0 0 Patricia Kelly (St Marks) × То Who are you sending the email to? Who else needs a copy of the email? Moses Techie Mensah (St Marks) × Cc Who can see the email without "To" & "Cc" knowing? Lily Hart Dyke (St Marks) × Bcc The subject title for the email Microsoft Trip An opening greeting of who you are Afternoon Ms Kelly, Thank you for your co-operation on the trip to the Microsoft centre with year 9 students. The message of the email Can you confirm that we received all the certificates for the students in the programming project? Your email: username@stmarks.anthemtrust.uk Regards Closing greeting Example: 22pkelly@stmarks.anthemtrust.uk Chris Gyebi-Ababio (St Marks)

Lifeology



mage	Word*	Definition	In a sentence			
Ċ.	ableism	Discrimination against people with disabilities.	A lot of people have heard of racism and sexism, but they haven't heard of <b>ableism</b> .			
Ø	discrimination	Treating someone badly because of who they are.	Unfortunately, <b>discrimination</b> still exists in the world today, despite people trying to stop it.			
Q	homophobia	Fear or hatred of people who are gay.	Clubs including QPR, Spurs and Sheffield United are all taking part in campaigns to get rid of <b>homophobia</b> in football.			
	prejudice	An unreasonable dislike of a group of people, without evidence.	People can actually have <b>prejudice</b> without knowing it, because they learn it from other people and think it's okay.			
Ŵ	racism	To treat someone badly because of their race.	If you see signs of <b>racism</b> here in school, you should tell a teacher and help the person it's happening to			
<b>m</b>	sexism	The belief that members of one sex, particularly women, don't need to be treated equally.	Most people don't realise that <b>sexism</b> is bad for everyone, since it stops people from realising their potential.			
	*Key Lifeology words are in <b>bold</b>					

Lifeology



	Lifeology   How do I Pick a Career?   Topic Dictionary						
<u>lmage</u>	<u>Word*</u>	Definition	In a sentence				
۲	creative industry	Jobs where people use their creativity to succeed.	Working in the <b>creative industry</b> is perfect for you if you have really strong artistic hobbies and passions.				
$\square$	cv	A document you create that lists all your experience and qualifications.	Your <b>CV</b> is never really finished because you keep adding to it throughout your life.				
	employability	How likely you are to get a job, based on your skills and qualifications.	You can do extra training and get more qualifications to raise your <b>employability</b> .				
	private sector	Jobs where you work for, or own, a business that exists to make money.	Working in the <b>private sector</b> can be stressful because there's a lot of pressure on you to do well.				
<b>Å</b>	public sector	Jobs where the employee is paid with money from taxes.	There are always debates in politics about how much money should go to <b>public sector</b> jobs.				
<u>, III</u> )•	STEM jobs	Science, technology, engineering and maths related jobs.	More men than women have <b>STEM jobs</b> , but the gap is closing over time.				
	*Key Lifeology words are in <b>bold</b>						

#### Skills Guide: Lifeology **Assessments**

This is your chance to show off **as much of your** knowledge as possible from the last five lessons.

1. When the teacher instructs you, use **10 minutes** to fill in the planning worksheet. This is your chance to look back through your book and gather all the right answers. The sheet is for you to refer to during your assessment, so you don't need to use full sentences. The work only has to make sense to you! Look back at your last assessment and check the feedback here!

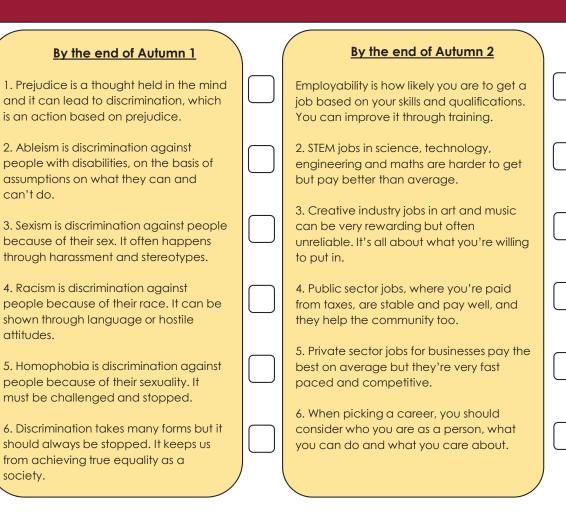
can't do.

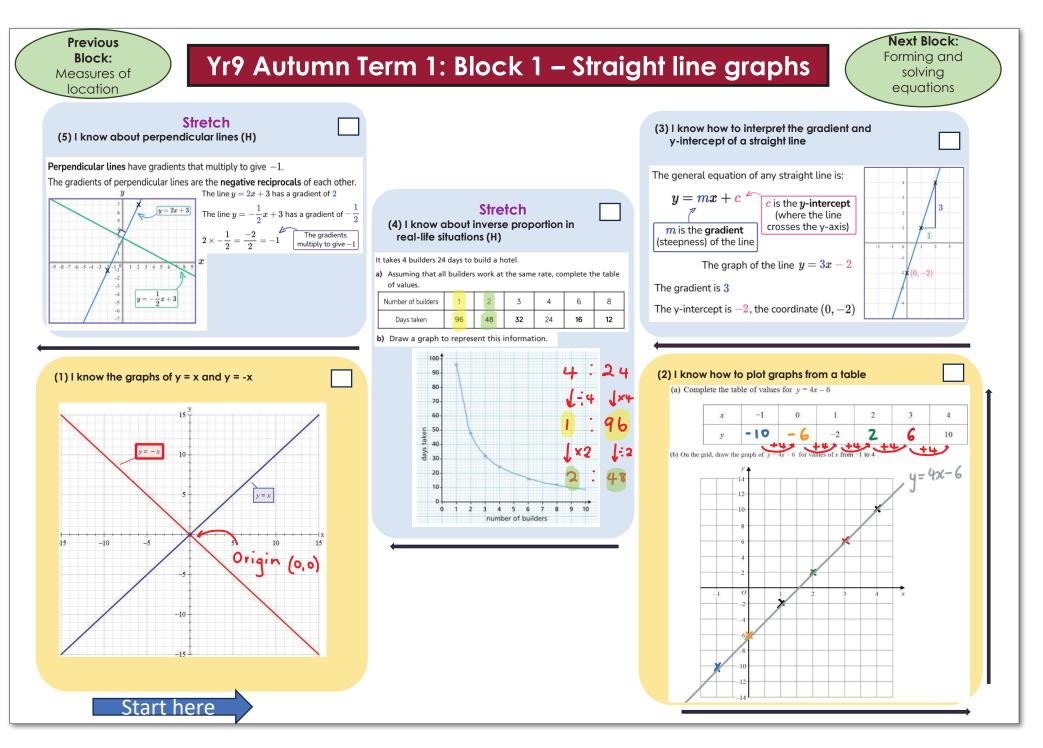
attitudes.

society.

- 2. Complete the **assessment**. You will have **15** minutes to produce a piece of writing to answer the question you've been studying for the last five weeks. Write like you're in an English lesson - full sentences, proper spelling and grammar, and paragraphs. Make sure to mention as much as you can from your planning sheet. The order you mention it in doesn't matter, so long as it's all there.
- 3. Use a green pen to self-assess your work. Compare the **assessment** you just did with the success criteria on the feedback sheet. Remember to **tick your work** wherever you're awarding a mark!

#### As a Year 9 Lifeology Student, I know...



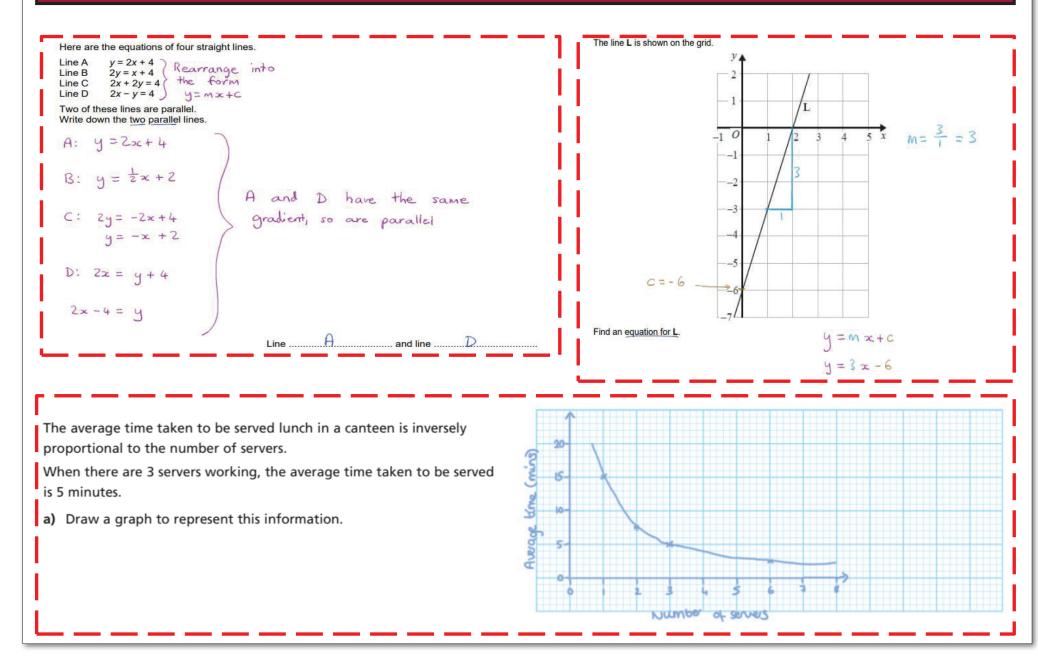


Maths

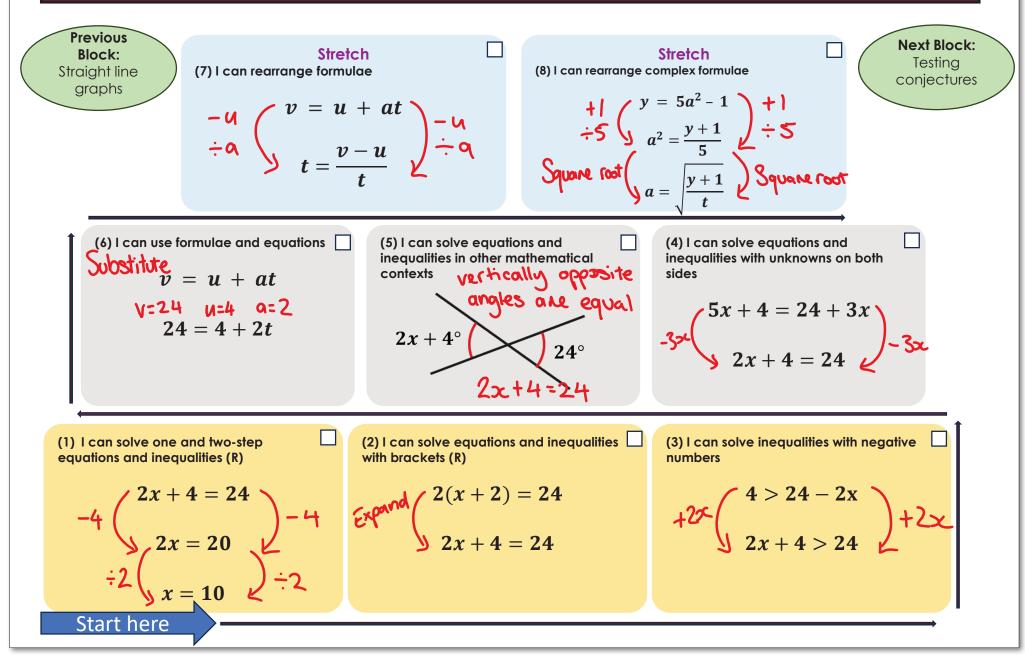
## Maths | Straight line graphs | Topic Dictionary

Key Word	Definition	In a sentence
asymptote	An asymptote is a line to which the graph of a curve is very close but never touches it.	Some graphs have both a vertical and a horizontal <b>asymptote.</b>
co-ordinate	A set of values that show an exact position on a graph.	(1,2) is a <b>co-ordinate</b> that would be in the first quadrant of the Cartesian plane.
gradient	The steepness of a line	The line y = 4x + 3 has a positive <b>gradient</b> .
intercept	Where two lines cross. The y-intercept: where the line meets the y-axis.	In the line $y = 4x + 3$ , 3 is the <b>y-intercept</b> .
linear	Linear graphs (straight line) – linear common difference by addition/ subtraction	The sequence 3, 5, 7, 9 is <b>linear</b> .
parallel	Two lines that never meet with the same gradient.	The line $y = 4x + 3$ and $y = 4x - 4$ are <b>parallel</b> .
perpendicular	Two lines that meet at a right angle.	The radius and tangent of a circle are <b>perpendicular</b> .
reciprocal	A pair of numbers that multiply together to give 1.	If two lines are perpendicular 1 gradient is the negative <b>reciprocal</b> of the other.

### Maths | Straight line graphs | Skills Guide



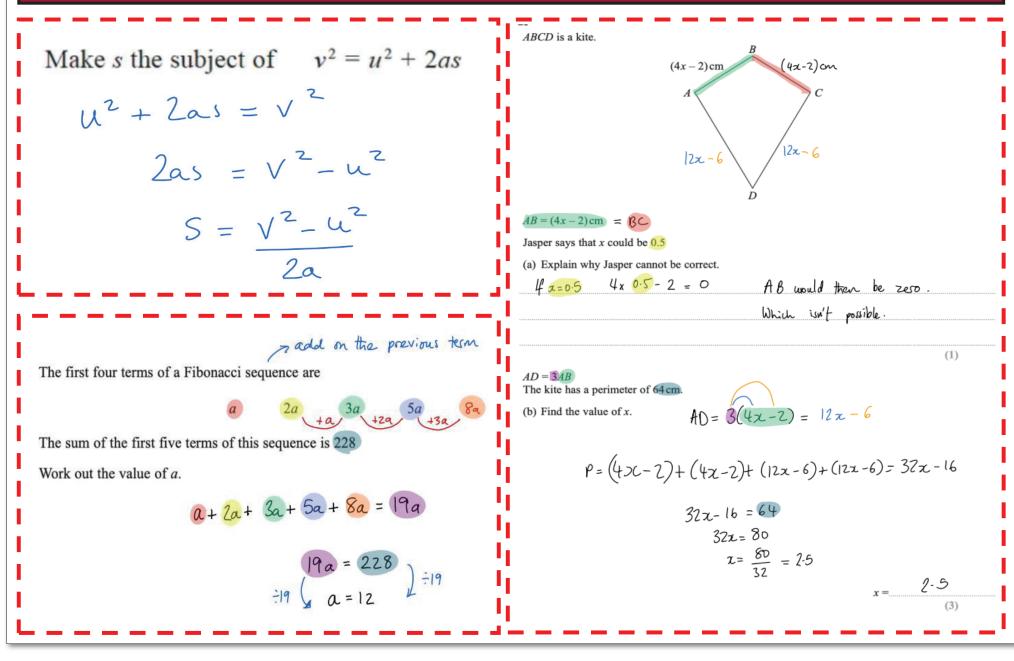
### Yr9 Autumn Term 1: Block 2 - Forming & solving equations



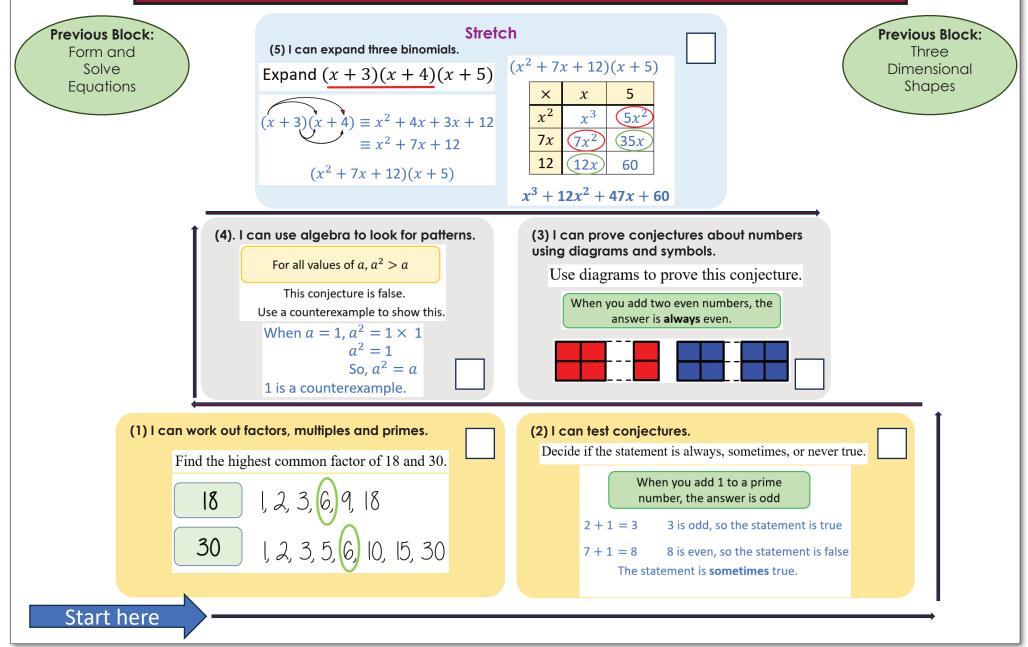
### Maths | Forming & solving equations | Topic Dictionary

Key Word	Definition	In a sentence
equation		We can solve <b>equations</b> by rearranging using inverse operations.
expression	A statement having two or more numbers/ variables/ both and an operator connecting them.	An <b>expression</b> cannot be solved, as it does not have an equals sign.
nequality	An inequality compares who values showing if one is greater than, less than or equal to another.	Solve the <b>inequality</b> 2x +4 > 24.
nverse operation	The operation that reverses the action.	The <b>inverse operation</b> of addition is subtraction.
rearrange	Change the order.	<b>Rearrange</b> the formula, so that x is the subject.
solve	Find a numerical value that satisfies an equation.	We can <b>solve</b> an equation to find the value of x.
substitute	Replace a variable with a numerical value.	We can <b>substitute</b> a value into a formula.
term	Either a single number or variable, or the product of several numbers or variables e.g. 3x, 5, 7x <sup>3</sup> y <sup>8</sup> .	Collect like <b>terms</b> to simplify 3x + 5 - 2x + 8.
variable		When conducting a scientific experiment, you must measu the dependant <b>variable</b> to collect the data.

### Maths | Forming & solving equations | Skills Guide



### Yr9 Autumn Term 1: Block 3 – Testing Conjectures



### Maths | Place Value | Topic Dictionary

Key Word	Definition	In a sentence
binomial	A polynomial with two terms	Expand the pair of <b>binomials</b> , $(x + 2)(x + 3)$ .
factor	Integers that multiply together to get another number.	Write down all the <b>factors</b> of 26.
highest common factor	The biggest factor that two or more numbers share.	Find the <b>highest common factor</b> (HCF) of 24 and 36.
lowest common multiple	The least common multiple is defined as the smallest multiple that two or more numbers have in common.	Find the <b>lowest common multiple</b> (LCM) of 6 and 8. $\Box$
multiples	An integer that is in the multiplication table of a specific number	Write down two <b>multiples</b> of 4.
prime	A prime number is a whole number greater than 1 with only two factors – itself and 1.	Write down all the <b>prime</b> numbers between 10 and 20.
prove	Logical mathematical arguments used to show the truth of a statement	<b>Prove</b> that the product of two consecutive even numbers is a multiple of 4.
quadratic	A a polynomial where the highest power of the variable is 3.	A <b>quadratic</b> graph is also known as a parabola.
verify	The process of making sure a solution is correct.	The math teacher will <b>verify</b> your eligibility to join the math club.

### Maths | Testing Conjectures | Skills Guide

Show that

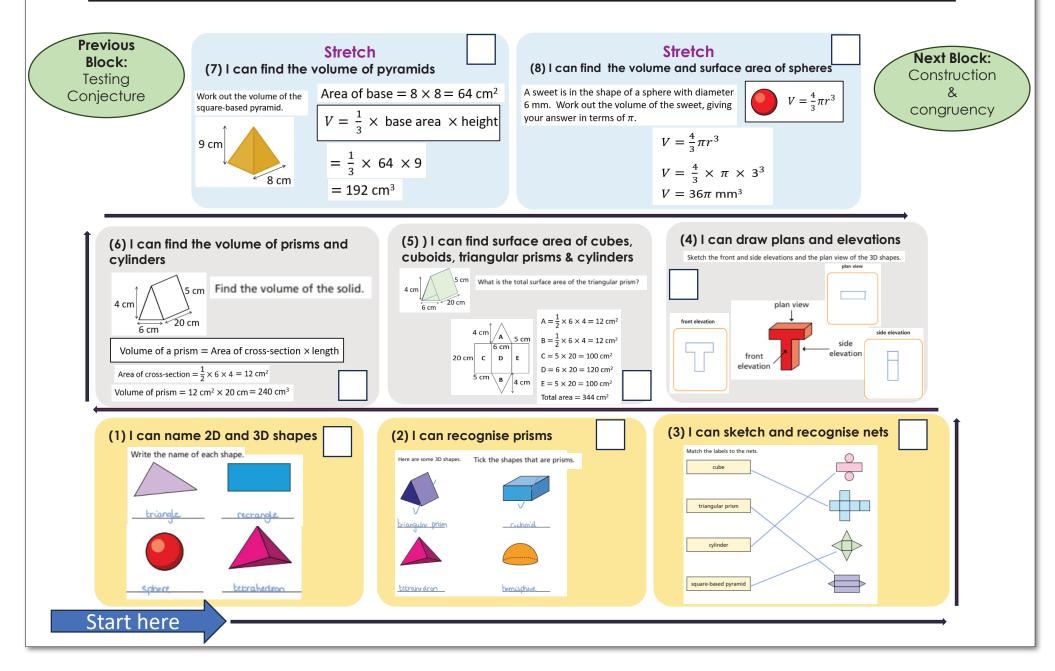
for all values of x.

 $(3x - 1)(x + 5)(4x - 3) = 12x^3 + 47x^2 - 62x + 15$  $(3x - 1)(4x^2 - 3x + 20x - 15)$ 

 $= (3x - 1)(4x^{2} + 17x - 15)$ - 12x<sup>3</sup> + 51x<sup>2</sup> - 45x - 4x<sup>2</sup> - 17x + 15

 $= 12x^{3} + 47x^{2} - 62x + 15$ 

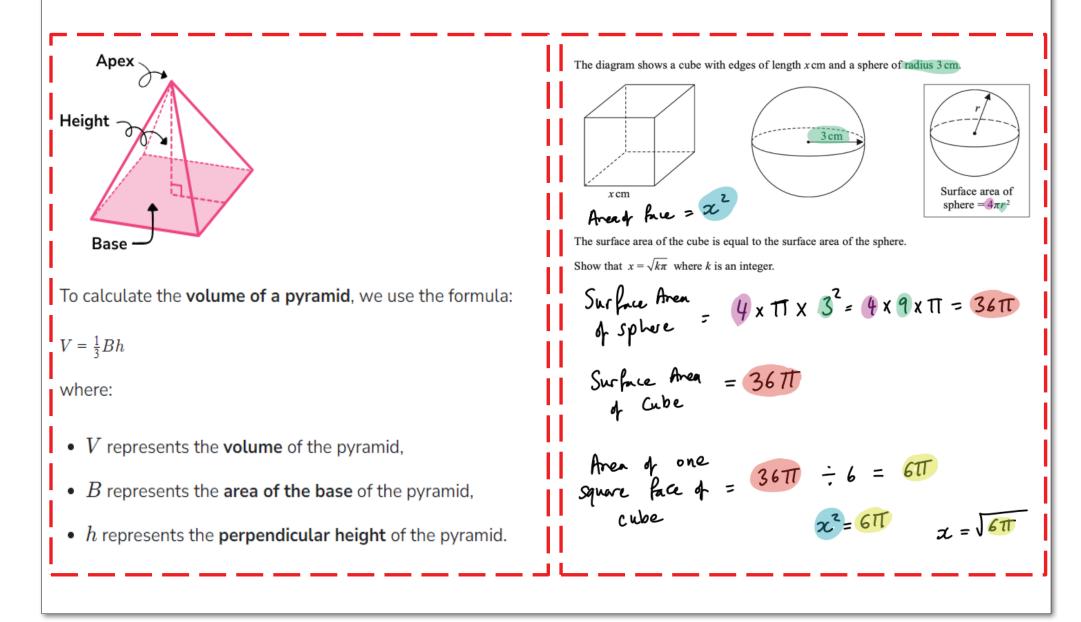
### Yr9 Autumn Term 2: Block 4 – Three Dimensional Shapes



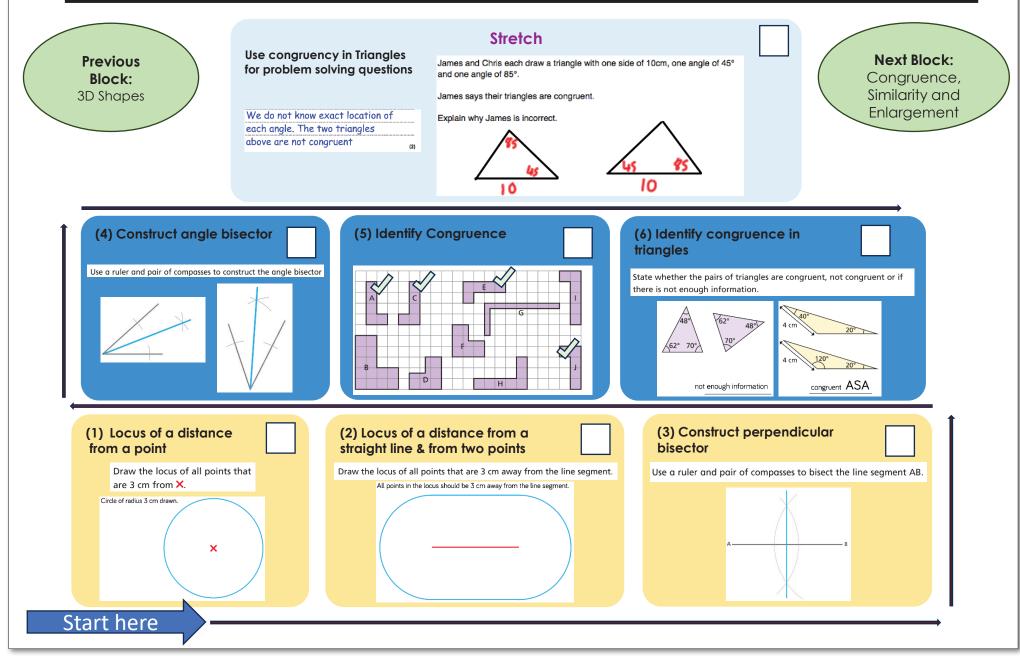
### Maths | Three Dimensional Shapes | Topic Dictionary

Key Word	Definition	In a sentence
2D	Two dimensions to the shape e.g. length and width.	A rectangle is a <b>2D</b> shape.
3D	Three dimensions to the shape e.g. length, width and height.	A cuboid is a <b>3D</b> shape.
cross-section	A view inside a solid shape made by cutting through it.	The <b>cross-section</b> of a cuboid is a rectangle
edge	A line on the boundary joining two vertices.	A cuboid has 12 <b>edges.</b>
face	A flat surface on a solid object.	The opposite <b>faces</b> of dice have a sumof 7
perspective	A way to give illustration of a 3D shape when drawn on a flat surface.	The side elavation gives a different <b>perspective</b> of a 3D shape to the front elavation.
plan	A way to give illustration of a 3D shape when drawn on a flat surface.	The photo shows a <b>plan</b> view of a theater, with the stage, boxes, and seats
vertex	A point where two or more line segments meet.	My cousin built his house on the <b>vertex</b> of the highest hill in town.

### Maths | Three Dimensional Shapes | Skills Guide



### Yr9 Autumn Term 1: Block 5 – Constructions & Congruency



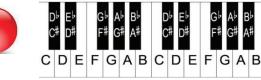
### Maths | Constructions & Congruency | Topic Dictionary

Key Word	Definition	In a sentence
arc	part of curve	The rainbow formed a beautiful <b>arc</b> across the sky.
bisector	a line that divides something into two equal parts	The architect used a <b>bisector</b> to evenly divide the room into two parts.
congruent	the same shape and size	The two triangles are <b>congruen</b> t, meaning they have the same size and shape.
discorectangle	(a stadium) - a rectangle with semi circles at either end	The new playground features a <b>discorectangle</b> -shaped sandbox that the kids love.
equidistant	the same distance	The park is <b>equidistant</b> from both schools, making it a convenient meeting place.
locus	set of points with a common property	The circle's edge is the <b>locus</b> of all points equidistant from its center.
perpendicular	lines that meet at 90 degress	The builder made sure the walls were <b>perpendicular</b> to the floor.
protactor	piece of equipment used to measure and draw angles	She used a <b>protractor</b> to measure the angle of the triangle.

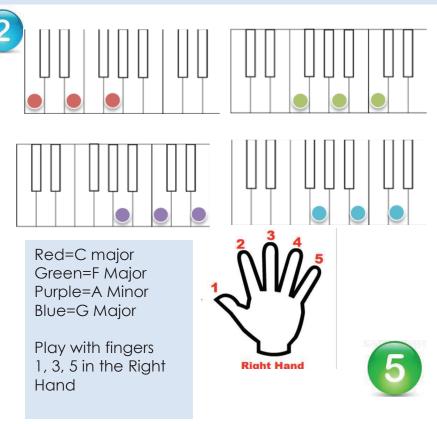
#### Maths | Constructions & Congruency | Skills Guide Angle Step 1: With the point of the compasses bisector on the vertex, draw a curve The locus of points that are a Step 2: With the point of the given distance, d, from a point. compasses on each intersection, draw two further curves Step 3: Draw a line from the vertex to the intersection of the arcs The locus of points within a given distance, d, of a line. Perpendicular bisector Step 1: With the point of the compasses on one end of the line, draw an arc The locus of points equidistant between two points (perpendicular bisector). Step 2: With the point of the compasses on the other end of the line, draw a second arc .00 The locus of points equidistant Step 3: Draw a line through between two lines (angle bisector). the two intersections Step 1: With the point of Perpendicular Step 2: With the point of the compasses dfrom a point the compasses on the on each intersection, draw two further arcs on a line point P, draw two arcs The locus of points a given Step 3: Draw a line from point through distance, d , from a polygon. the intersection of the arcs P

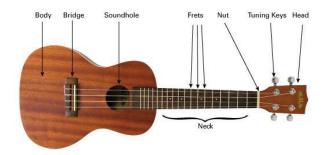
#### Four Chords | How to play a Four-Chord Progression | Knowledge Organiser

Here is a guide to all you need to know when learning to play the chord progression C, F, Am  $\rm G$ 



You will need to recognise the notes of the keyboard! Use the Black keys to navigate (note that there are groups of 3 and 2 Black keys all the way up the keyboard





The Ukelele has 4 Strings. From top to bottom they go G, C, E, A

	С	Am	F	G
4				

Here is the chord progression you will need to learn on the Ukelele. The chords are labelled with stickers: Red=C Yellow=F Yellow (top sticker) =Am Green=G

Once you have learnt your chord progression, ask yourself: Am I playing fluently and in time? Am I playng with expression? Are there any Dynamics in my performance? 

## Skills Guide | What will I be assessed on in Music?



#### Practising and Performing

This is your opportunity to show that you can **sing/play** a 4-chord progression that you have learnt in front of your teacher and peers on the keyboard or Ukelele. You will need to think carefully about what makes a successful and convincing performance! Below are some things to consider:

#### Performing skills: You will learn to perform as

- A whole class
- In groups
- As a soloist

You should try to perform with:

- Accuracy
- Fluency
- Expression (Dynamics, articulation,
- phrasing, sense of ensemble)
- A sense of style

Rehearsing skills: You will learn to

- Work independently
- Set up your equipment and space swiftly and safely
- Organise your time effectively
- Listen to and support people in your group
- Respond to feedback, setting goals
   for improvement
- Evaluate yours and others' work using key words

#### Composing and arranging

**Composing** means **creating** music from scratch, In popular music composers are usually song-writers and record producers. They write lyrics, arrange the instruments and mix the sounds using recording/production techniques. Some pop songs are covered by different artists who arrange the music into their own version

Composing and arranging skills: You will learn to create a song arrangement of a popular song using the fourchord progression C, F, Am, G. During the creation process you will consider:

- Texture (How the different parts are organized, for example melody plus accompaniment, unison, call and response, in harmony)
- Instrumentation (the names of the instruments and their roles eg melody line, chordal accompaniment, rhythm section, bass line)
- Structure (Introduction, Verse, Chorus, Outro/endina)

You will also consider how musical elements such as melody, rhythm and tempo are combined in your creation.

#### Istening to and identifying music

You need to listen to a range of songs and spot the chord changes in them. Many popular songs use the same chord progressions. You will need to identify chords C, F G and Am by ear and be able to recognize different sections within a pop song

Listening skills: You will learn to use your listening skills during independent practice/ rehearsal sessions to monitor your strengths and areas for development. Your ears are your most important tool and you will need to listen critically every time you play your instrument. Is your Ukelele in tune? How can you use your ears to tune each string? https://www.youtube.com/watch?y

#### <u>= ggXJfggg0o</u>

Is your Keyboard-playing in time and are you playing each chord with an even tone so that all the keys go down together at the same time?

Finally, can you hear the difference between each of the four chords? Can you tell the difference between Major and Minor chords?

#### © € €

#### Exploring your thinking

Chord progressions are important in popular music and they are very easy to play once you know how. You will understand that they are just part of what makes a pop song great or catchy and when combined with elements such as melody, rhythm and instrumentation they can sound very different, even when the underlying chords are the same!

Exploring and researching skills: You will explore a range of different popular songs from different periods in music history. You will explore the difference between them and describe these using key terms from year 7 and 8 as well as new words from this term. You will be tested on your ability to describe what you hear using words from the alossary, expressing your opinion about whether you think the sona is successful and why. Examples are: Shotgun-George Ezra https://www.voutube.com/watch?v =aAiVsafbn5a Can't Stop the feeling-Justin Timberlake https://www.youtube.com/watch?v= wWPY-Qi0aVQ If I were a boy: Beyonce https://www.voutube.com/watch?v= KRCi8-8rdT4

Music   Four Chords   Topic Dictionary			
Image	Key term	Definition	In a sentence
	<b>Chord progression</b> C, F, G, Am	A pattern of <b>chords</b> , played one after the other	The same <b>chord progression</b> is used in hundreds of songs
	Root note	The <b>root</b> note is the bottom (key) note of the chord, upon which the chord is named	The <b>root note</b> of a C major chord is C
G <sup>I</sup> A <sup>I</sup> B <sup>I</sup> D <sup>I</sup> E <sup>I</sup> F <sup>#</sup> G <sup>#</sup> A <sup>#</sup> C <sup>#</sup> D <sup>#</sup> F G A B C D E	Keyboard notes	The notes of the <b>keyboard</b> and <b>piano</b> , which follow the pattern A, B, C, D, E, F, G	The <b>keyboard</b> notes can be identified via the pattern of black keys, grouped in 2s and 3s
(1931) (1937)	Ukelele	A <b>Ukelele</b> is a stringed instrument, originally from Hawaii and Portugal. It has four strings, G, C, E, A	The <b>Ukelele</b> looks like a small guitar and is played by strumming or plucking the strings
	Popular song	A song that is commercial and popular in style. <b>Popular</b> music has evolved over the last century from Blues into R and B, Hip-Hop, Rock, Soul, Disco and more!	Taylor Swift, George Ezra, Olivia Rodrigo, Dua Lipa, Sam Smith and Beyonce are all <b>Popular (pop)</b> song singers!
	Structure	The <b>structure</b> of the music is the way in which the sections are arranged. In pop music this usually follows Verse/Chorus format	The structure of pop songs is important because it makes them more interesting
	Verse	This is usually at the start of the song, straight after the introduction (if there is one). <b>Verses</b> are repeated with different lyrics several times	Straight after the <b>verse</b> comes the <b>chorus</b> (usually)
<u>S</u>	Chorus	The <b>chorus</b> is usually the main section of the music, which contains the hook/catchiest bit of the song	People usually love singing along to the <b>chorus</b>

#### Music | Four Chords | Assessing Progress Developing my skills in Music As a year 9 musician I know how to: □ I can play the chords C, F, G, A minor CONFIDENTLY and with EXPRESSION on my Keyboard/Ukelele with the CORRECT FINGERS and in time with a backing track or beat Perform a chord progression confidently and fluently □ I can take a leading role in my group and help others on my chosen instrument □ I know how to overcome challenges when practising Work independently □ I can play the chords C, F, G, A minor CONFIDENTLY on my in aroups to create an Keyboard/Ukelele with the CORRECT FINGERS and in time with a backing arrangement of track or beat a given song □ I can take a supporting role in my group and am always focussed in rehearsals Recognise all the notes of □ I can play the chords C, F, G, A minor STEADILY on my Keyboard/Ukelele the keyboard and all the with the CORRECT FINGERS and in time with a backing track or beat strings of the Ukelele □ I can explain the task using key words □ I understand how to practise calmly and sensibly Identify Major and Minor chords by sound □ I am MOSTLY focused during the task. □ I can play most of the chords C, F, G and A minor on my keyboard and/or Ukelele □ I am learning to find the notes of the keyboard without help Evaluate own and others' P work and respond to feedback positively This is where you and your teacher can agree on a personalised target. This could include: Performing a solo in front of the class Identify sections of a Composing an extended piece using music software popular song as Presenting some research on four chords songs in class Intro/Verse/chorus/Middle 8/ outro

# PE | Physical Training | Topic Dictionary

Key word	Definition	Question
agility	The ability to move and change direction quickly whilst maintaining control.	When would a basketball player need good <b>agility</b> in a match?
cardiovascular endurance	The ability of the heart and lungs to supply the oxygen to the working muscles.	Which type of runner would need to have good <b>cardiovascular endurance</b> ? Why?
continuous training	Any activity that can be sustained without rest and repeated over and over, such as running, walking, rowing, cycling and swimming.	Which kind of athlete would use <b>continuous training</b> to improve their performance? Why?
FITT	Stands for frequency, intensity, time and type. Relates to how you are training.	How can we apply the <b>FITT</b> principle to improve fitness?
progressive overload	Gradually increasing the workload to improve performance level over time.	What is a way we can use <b>progressive</b> <b>overload</b> to improve cardiovascular endurance?
reaction time	<b>Reaction time</b> is the time taken to initiate a response to a stimulus.	Why would <b>reaction time</b> be important for a badminton player?
speed	The maximum rate at which an individual is able to perform a movement or cover a distance in a period of time.	Why is <b>speed</b> important for a basketball player?

# **Badminton Knowledge Organiser**





**Flick serve** - the flick serve is played upward but much more shallowly than the high serve. Idea is to deprive the opponent of time and force them to hit shuttle when it is behind their body.

**Drive serve** - the drive serve is played fast and flat towards the receivers back court, passing low over the net. Idea is to force a mishit of your opponent by catching them unaware.

**Net shot** - This is where the shuttle glides just over the net, almost in touching distance. This is a hard shot to return as it is very low to the floor when it goes over the net so the player must be quick to get low and return this.

#### As a Year 9 Sports Person I should...

Be able to perform different types of serves

Understand the benefits of the different types of serves

Alternate between drop shots and clears.

Be able to use different fitness components to enhance your performance

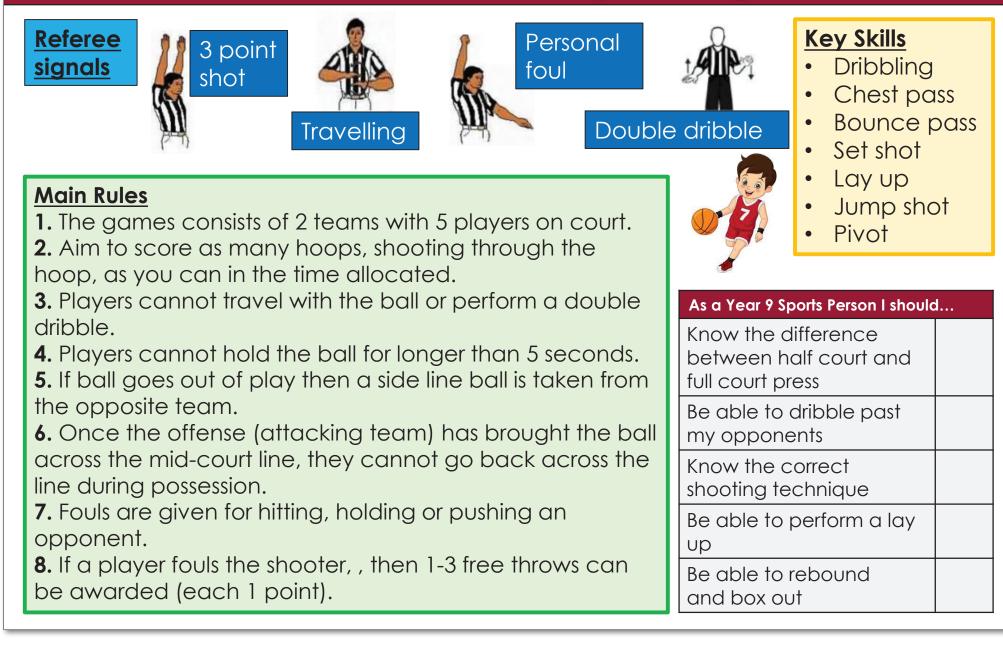
Know the rules and regulations of the game

Be able to outwit my opponent in competitive situations

#### **Big Questions**

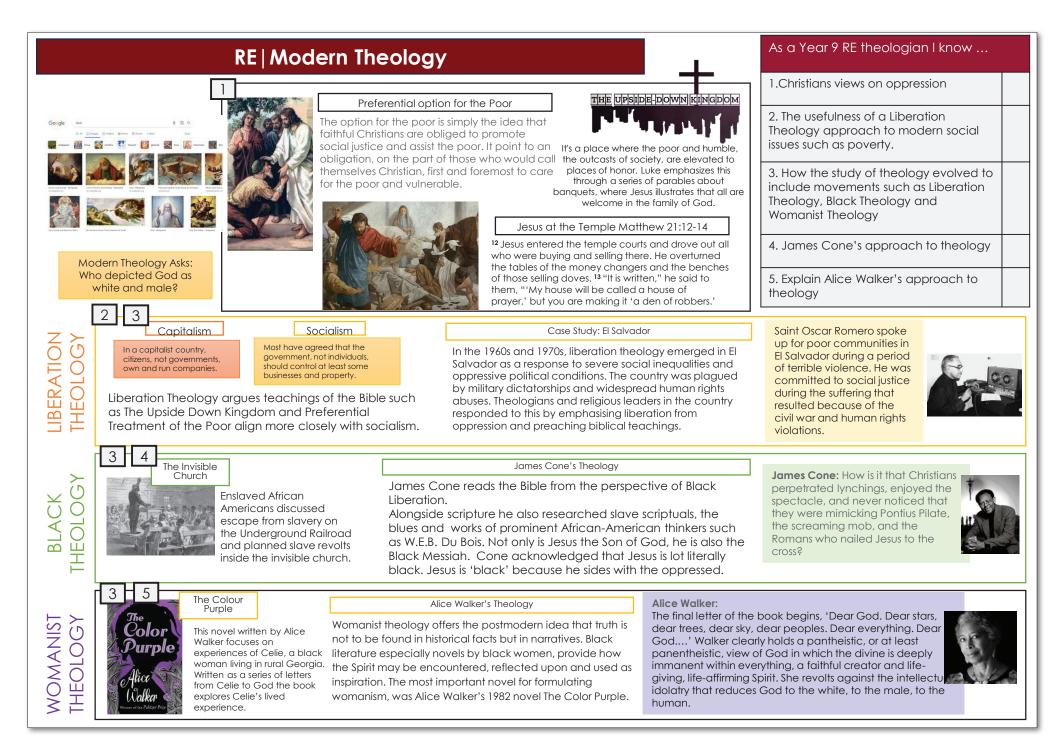
- 1. What are the factors that enable us to rally effectively in badminton?
- 2. How do we perform the underhand lifting shots correctly for maximum consistency?
- 3. How can we perform different serves to gain advantage in a rally?
- 4. How do we perform overhead shots?
- 5. How can we perform attacking shots including drop shot and smash?

# **Basketball Knowledge Organiser**

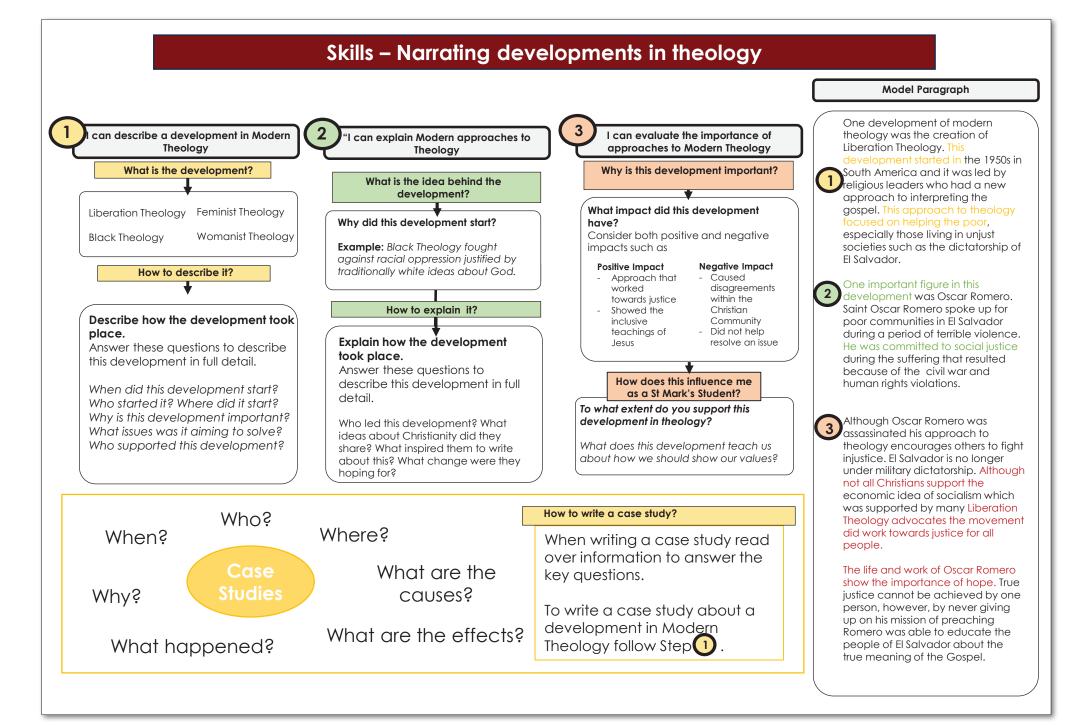


PE	Physical Training   Skills	Guide
DEFINE APPLY	<ul> <li>I am able to:</li> <li>Define 5 key words from my dictionary, such as:</li> <li>Speed</li> <li>Reaction time</li> <li>Cardiovascular endurance</li> <li>Agility</li> <li>Progressive overload</li> </ul> I am able to: <ul> <li>Describe how key words from my dictionary relate to the chosen sport, for example, which kind of athlete would require high levels of agility.</li> <li>Describe how the principles of training can improve an athlete's performance in a certain sport.</li> </ul>	
EVALUATE	<ul> <li>Lam able to:</li> <li>Explain why certain methods of training would benefit certain sports specifically, such as a plyometric training for a basketball player.</li> <li>Explain how the principles of training can improve certain components of fitness for different athletes, such as progressive overload to improve cardiovascular endurance for a badminton player</li> </ul>	<b>Challenge:</b> If an athlete gets injured, what can happen to their fitness levels? What can they do to help prevent/mitigate this?

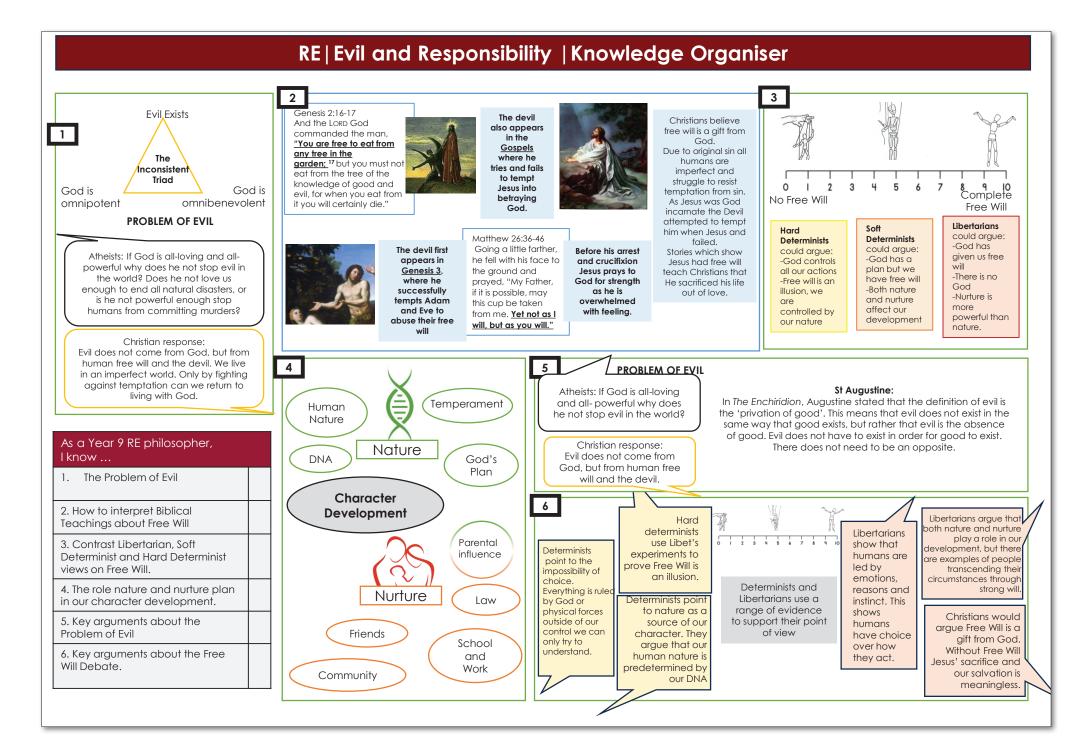
RE   Modern Theology   Topic Dictionary			
Image	Keyword	Definition	Sentence
E.	black theology	A set of distinctive religious beliefs belonging to the Black African American community following 300 years of slavery.	"Black theology addresses racial injustices found in the history of Christianity."
	capitalism	An economic system in which the means of production are privately owned and operated for profit, in contrast with socialism where trade and industry is controlled by the state.	Capitalism promotes private ownership and profits.
	emancipation	Any effort to gain economic and social rights, political rights or equality, often for an oppressed group.	They dreamt of <b>emancipation</b> and gaining freedom.
	feminist theology	A movement to reconsider the traditions, practices, scriptures, and theologies of those religions from a feminist perspective.	Feminist theology focuses on women's roles in religion.
	invisible churches	Informal Christian groups where slaves listened to preachers that they chose without their master's knowledge.	Invisible churches were secret worship gatherings where the enslaved connected to God.
C CO	liberation theology	A movement in Christian theology, developed mainly by Latin American Roman Catholics, which attempts to address the problems of poverty and social injustice as well as spiritual matters.	Liberation theology fights for social justice of the poor.
	oppression	Prolonged cruel or unjust treatment or exercise of authority.	In Exodus, the Israelites are <b>oppressed</b> by the Egyptians.
6	pantheistic	The belief that everything composes an all-encompassing, immanent God.	Those who agree with <b>pantheistic</b> beliefs see God in everything.
Ì Ì Ì	patriarchal society	Patriarchy is a social system in which men hold primary power and predominate in roles of political leadership, moral authority, social privilege, and control of property.	A <b>patriarchal society</b> favours men over women.
	preferential option of the poor	The idea that Jesus Christ stood for the poor and oppressed and that the Church should focus on the poor and oppressed and stand in solidarity with them.	<b>Preferential option for the poor</b> is shown by God's Upside Down Kingdom.
×	socialisation	The process of learning to behave in a way that is acceptable to society.	School is important for our <b>socialisation</b> as it is where we learn to interact with others.
▲ ▲ ©▲©	socialism	A theory or system of social organization in which all property is owned by the community and each person contributes and receives according to their ability and needs.	Socialism promotes equal sharing of resources.
	structural sin	Sin that is the result of institutions such as governments or multi- national corporations.	John Paul II argues that <b>structural sin</b> is to blame for injustices.
	The Upside Down Kingdom	The idea that God will make good all the suffering on earth, the poor will become rich and the rich will become poor.	"The Upside Down Kingdom values the humble and meek."



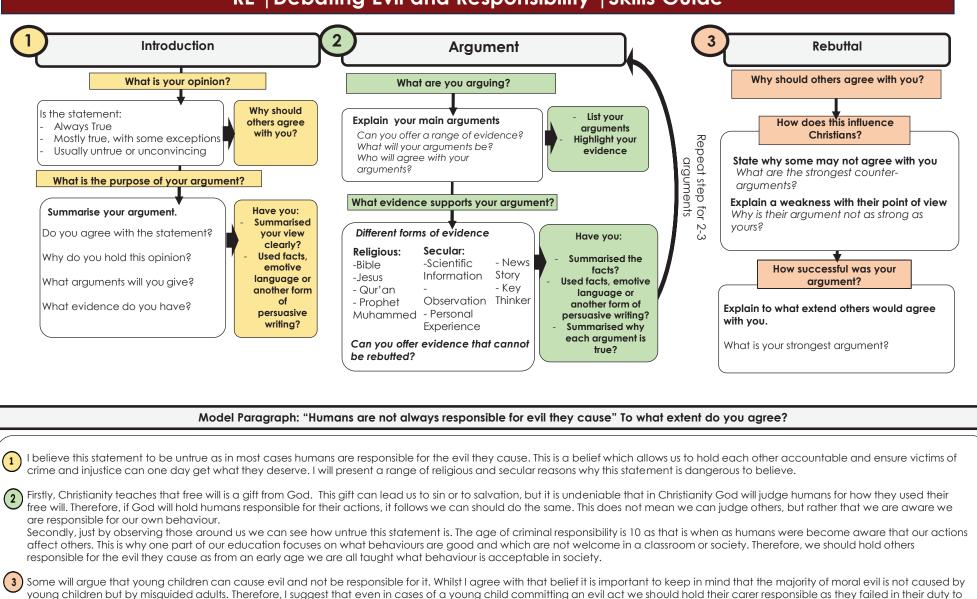
RE



		RE  Evil and Responsibility   To	pic Dictionary
Image	Key Word	Definition	In a sentence
$   \Delta \times $	argument	A persuasive way of writing which explains a point of view and reasons to believe it.	The <b>argument</b> was based on a range of religious and scientific evidence.
Ŕ	criminal responsibility	The age from which someone is deemed capable of having committed a criminal offence. In England and Wales it is 10 years old.	If you are in secondary school you are above the age of <b>criminal</b> responsibility.
Ę.	devil	The personification of evil as it is conceived in many and various cultures and religious traditions.	There are ideas about the <b>devil</b> in every culture.
·····	evil	Something immoral and wicked and is usually seen as malicious.	We cannot appreciate goodness in a world without first seeing <b>evil</b> .
	free will	Having free choice. Not being constraint by fate.	As a libertarian, I have <b>free will</b> and will choose my own future.
R	hard determinism	Belief that we can figure out exactly what someone is going to do if we have all the necessary information about them.	Some scientists are <b>hard determinists</b> and believe we will one day be able to predict everything.
$\bigtriangleup$	inconsistent triad	The Problem of Evil. Argument that the existence of God is incompatible with the existence of evil.	Atheists use the <b>inconsistent triad</b> to prove God does not exist.
ĕvs⊗	nature vs nurture	An expression used to talk about what shapes us to become who we are.	We can argue about whether it was <b>nature vs nurture</b> that led to them becoming a criminal.
	rebuttal	Acknowledging a different point of view and arguing against it.	Theists can offer <b>rebuttal</b> to the Problem of Evil.
	responsibility	Having a duty to deal with something or having control over someone.	We have <b>responsibility</b> for our actions.
	soft determinism	Belief that we can make predictions about what someone will do, but that human free will exists.	Many are <b>soft determinists</b> because it is hard to give up on the idea human free will.
	spiritual Warfare	The Christian concept of fighting against the work of evil forces. It is based on the biblical belief in evil spirits, or demons, that are said to intervene in human affairs in various ways.	Christians deal with <b>spiritual warfare</b> by staying connected to scripture.
	St Augustine	A 4th century Christian theologian who developed a response to the Inconsistent Triad.	St Augustine offers rebuttal to the Inconsistent Triad.
é	temptation	The desire to do something, especially something wrong or unwise.	The Devil failed at <b>tempting</b> Jesus in the desert.



## RE | Debating Evil and Responsibility | Skills Guide



In conclusion I believe to have the strongest argument because it can be supported by a range of people as my argument as a theological and a secular source of evidence.

## Skills Guide: Using Standard form

- You can use <u>standard form</u> to represent <u>very large</u> or <u>very</u> <u>small</u> numbers.
- Standard form makes use of the **<u>laws of indices</u>** but numbers are only expressed in one base, **<u>base 10</u>**.

We use standard form to easily write very, very large numbers and very, very small numbers. A number is in standard form when it is written in the form: a × 10n a is a number greater than, or **equal to 1**, and less than 10.

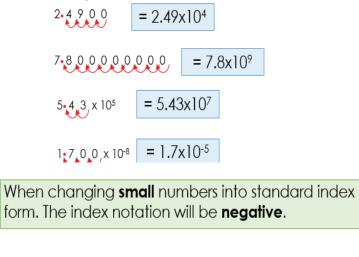
n is an integer (whole number). **If n is positive**, we are dealing with a large number. **If n is negative**, we have a small number (less than 1).

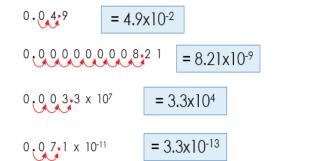
The power of n tells us how many times we multiply by 10 (if n is positive) or divide by 10 (if n is negative). Informally, we can say that n tells us how many places the digits have moved in relation to the decimal point.



## Converting to Standard Form:

When changing **large** numbers into standard index form. The index notation will be **positive**.





## Skills Guide: Planning an Experiment: Enzymes

### When planning an experiment, you must identify your variables:

- Independent variable- the factor you change
- **Dependent variable-** the factor you are measuring (think about the results you are collecting and how you will collect it
- **Control variable-** The factors you will keep the same, to get reliable results.

## <u>Planning an experiment on the effect of temperature on the reactivity of amylase</u>.

#### Things to consider:

What equipment will you use? Water bath Amylase Starch Boiling tube



What range of temperature will you investigate? i.e between 10°C-50°C

At what intervals will you carry out your experiment? i.e 'I will investigate the temperatures between 10°C- 50°C at 10°C intervals.

This means you will investigate the following temperature: 10°C, 20°C, 30v, 40°C and 50°C.

## Method: Making the method reliable

- You must repeat your experiments at least 3 times.
- Control variables- using the same volumes. i.e same volumes of starch and amylase for each temperature, using the same concentration of amylase.

### How will you present the data?

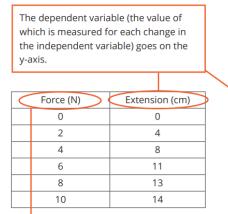
When drawing the table of results, do not forget that the independent variable goes in the left column whilst the dependent variable goes int the right column. **The units must** always be included and written in brackets.

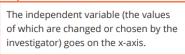
	Time taken until there is no starch present in the sample (mins)			
Temperature (°C)	Trial 1	Trial 2	Trial 3	Mean
10				
20				
30				
40				
50				

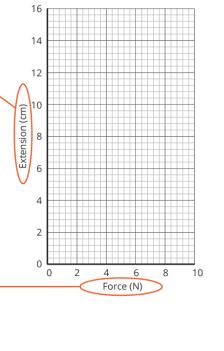
## Skills Guide: Graph Skills

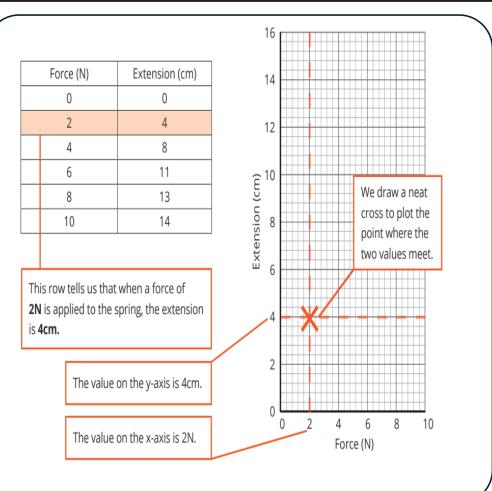
### Using Data to Draw a Graph

The table below shows some data collected in a Hooke's law investigation.









## Science | Atoms and the Periodic Table | Knowledge Organiser

## History of the Atom

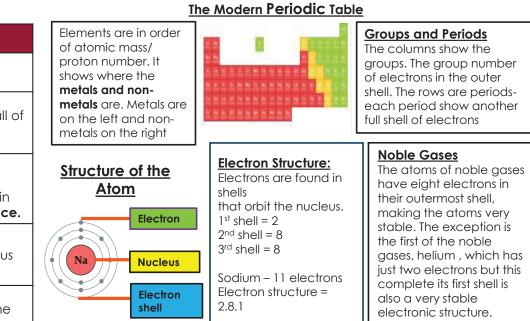
Scientist	Year	Discovery		
John Dalton	Start of 1800's	Atoms as 'indivisible; solid spheres		
JJ Thomson 'Plum pudding'	1897	<b>Plum</b> pudding <b>model</b> – the atom is a ball of charge with electrons scattered		
Ernest Rutherford 'Nuclear Model'	1909	Alpha scattering/gold foil experiment – mass concentrated at the centre; the <b>nucleus</b> is charged. Most of the mass is in the nucleus. Most atoms are <b>empty space</b> .		
Niels Bohr 'Electron orbits'	around 1911	Electrons are in <b>shells</b> orbiting the nucleus		
James Chadwick The neutron	around 1940	Discovered that there are neutrons in the nucleus		

### The Development of the Periodic Table



In the early 1800s, elements were arranged by **atomic mass**. The periodic table was not complete because some of the elements had not been found. Some elements were put in the wrong group.

Dimitri Mendeleev (1869) left gaps in the periodic table. He put them in order of **atomic mass.** The gaps show that he believed there was some undiscovered elements. He was right! Once found, they fitted in the pattern.



### Atoms and Sub-Atomic Particles

Contained in the nucleus are the protons and neutrons. Moving around the nucleus are the electrons which are negatively charged. Overall they have the same number of protons as electrons.

<u>Ions:</u> Have a different number of protons and electrons. <u>Atomic number</u> = no. of protons	Particle	Relative Mass	Charge
Mass number = no. of protons + no. of neutrons	proton	1	+1
	neutron	1	0
Number of + Number of = Mass Neutrons + Protons = Mass Number	electron	Very small	-1

C	0	
C	)	
1	D	
Ε	3	
C	)	
1	D	

e la	Li	Explaining Trends	F	Get
reactive	Na	Trends in reactivity as you go down the group can be explained in terms of the <b>attraction</b> between electrons in	Cl	ting les
more	К	the outermost shell and the nucleus.	Br	is rea
Getting m	Rb	In deciding how easy it is for atoms to lose or gain electrons from their outermost shell depends on three factors:	1	active
ľ,	Cs	<ul> <li>The size of the atom</li> <li>The shielding effect of inner electrons, and</li> <li>The nuclear charge</li> </ul>	At	↓

### Group 1 – Alkali Metals

The alkali metals (group 1 elements) are soft and **very reactive** metals.

#### • They all have **one electron** on their outer shell, making them very reactive.

- They are low density.
- As you go down the group, they become more reactive
- They get bigger and it is easier to **lose** an electron that is further away from the nucleus.
- They form ionic compounds with non-metals.
- They react with water to produce hydrogen.

### **ISOTOPES and Relative Atomic Mass Calculation**

Atoms of the same element with the same number of protons and different numbers of neutrons

Metal + oxygen → e.g. 4Na + O₂ → With Forms a metal oxide 2Na<sub>2</sub>O metal oxide oxygen Forms a Metal + water → e.g. 2Na + 2H<sub>2</sub>O → metal With metal hydroxide + hydroxide 2NaOH + H<sub>2</sub> water and hydrogen hydrogen Forms a Metal + chlorine  $\rightarrow$ e.g. 2Na + Cl<sub>2</sub> → With metal metal chloride 2NaCl chlorine chloride

**Reactions of Alkali Metals** 

<sup>35</sup>Cl (75%) and <sup>37</sup>Cl (25%) Relative abundance =

(% isotope 1 x mass isotope 1) + (% isotope 2 x mass isotope 2) ÷ 100 e.g. (25 x 37) + (75x 35) ÷ 100 = 35.5

Consist of molecules made of a pair of atoms	Have seven electrons in their outer shell. Form -1 ions.
Melting and boiling points increase down the group (gas →liquid → solid)	Increasing atomic mass number.
Reactivity decreases down the group	Increasing proton number means an electron is more easily gained

### As a Year 9 Scientist, I know...

1. Describe the early attempts to classify elements	
2. Explain the creation and attributes of Mendeleev's periodic table	
3. Identify metals and non-metals on the periodic table, compare and contrast their properties	
4. Explain how the atomic structure of metals and non-metals relates to their position in the periodic table	
5. Describe nobel gases (group 0) and explain their lack of reactivity	
6. Describe the properties of noble gases, including boiling points, predict trends down the group and describe how their properties depend on the outer shell of electrons	
7. Describe the reactivity and properties of group 1 alkali metals with reference to their electron arrangement and predict their reactions	

## Group 7 - Halogens

## Science | Atomic structure and the Periodic Table | Topic Dictionary

Word	Definition	In a sentence
alkali metals	These are elements in group 1 of the periodic table and they all have 1 electron in their outermost shell.	Sodium is an example of an <b>alkali metal</b> .
atomic model	A model to represent the structure of the atom. This model has been revised over time as new evidence has become available.	A number of scientists have come up with different <b>atomic models</b> over the years.
atomic number	The number of protons in each atom of an element.	The <b>atomic number</b> of sodium is 11.
atoms	Tiny particles that make up all substances	A gold bar is made up of gold <b>atoms</b> .
displace	A more reactive halogen will displace a least reactive halogen from an aqueous solution containing it`s salt.	magnesium + copper sulfate $\rightarrow$ copper + magnesium sulfate The magnesium <b>displaces</b> the copper, and the products are copper and a solution of magnesium sulfate.
electron	A negatively charged particle with a charge of -1 that orbits the nucleus of an atom.	An <b>electron</b> is the negatively charged subatomic particles found in atoms.
element	A substance made of only one type of atom.	An oxygen molecule is an example of an <b>element</b> as it contains the same type of element.
energy level	The distance that an electron is orbiting from the nucleus.	Sodium has 2 <b>energy levels</b> .
halogens	These are group 7 elements which have 7 electrons in their outermost shell.	Chlorine is an example of a <b>halogen.</b>
alkali metals	These are elements in group 1 of the periodic table and they all have 1 electron in their outermost shell.	Sodium is an example of an <b>alkali metal</b> .

## Science | Atomic structure and the Periodic Table | Topic Dictionary

Word	Definition	In a sentence
ion	A charged atom. The atom has either lost or gained one or more electrons.	When sodium loses its outer shell electron it forms a positively charged <b>ion</b> .
isotope	Atoms of the same element with different numbers of neutrons.	Caesium 137 is an <b>isotope</b> used for the irradiatior of food.
mass number	The number of protons plus the number of neutrons in the nucleus of an atom.	Carbon has a <b>mass number</b> of 12.
Mendeleev	Mendeleev`s periodic table left gaps for the unknown elements which when discovered matched his predictions	<b>Mendeleev</b> published his first periodic table of the elements in 1869.
neutron	Particles with no charge that are found in the nucleus of the atom. They have the same mass as a proton.	A <b>neutron</b> has no charge.
noble gases	The noble gases in Group 0 are unreactive because of their very stable electron arrangements.	Argon is an example of a <b>noble gas</b> .
nuclear model	The model of the atom suggested by Rutherford when they discovered the nucleus. This model has a central positive nucleus with electrons orbiting around the outside.	A number of scientists have come up with different <b>nuclear models</b> over the years.
nucleus	The centre of the atom, containing protons and neutrons.	Lithium contains 3 protons and 4 neutrons in its <b>nucleus</b> .
outer shell	The outermost energy level of an atom.	Lithium has 1 electron in its <b>outer shell</b> .
proton	Particles with a charge of +1 that are found in the nucleus of the atom. They have the same mass as a neutron.	Sodium has 11 <b>protons.</b>

## Science | <u>Cell structure and transport</u> | Knowledge Organiser

HT only	Core focus
Triple science only	All learners

Organelles	Animal cell	Plant cell	Bacteria cell	
Nucleus	х	х		
Cytoplasm	Х	Х	х	
Cell membrane	Х	х	Х	
Mitochondria	х	Х		
Ribosome	Х	Х	Х	
Cell wall		Х	Х	
Chloroplast		Х		
Permanent vacuole		Х		
DNA loop			Х	
Plasmid			Х	
Flagellum	Only Sperm		Х	

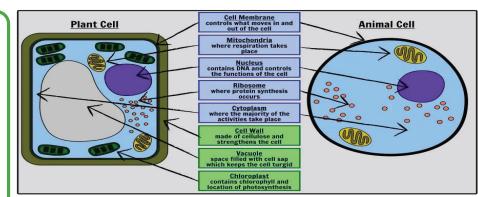
- Plant and animal cells (eukaryotic cells) have a cell membrane, cytoplasm and genetic information enclosed in a nucleus.
- Bacteria cells (prokaryotic cells) are much smaller in comparison.
- They have cytoplasm and a cell membrane surrounded by a cell wall.
- > The genetic information is not enclosed in a nucleus.
- it is a single DNA loop and there may be one (or more) small rings of DNA called plasmids.

## Orders of magnitude

- Are used to make approximate comparisons of objects
- Comparisons can be shown as a number or in standard form Example:
- A small animal cell has a length of 10µm. A large plant cell has a length of 100µm.

$$\frac{100}{10} = 10 \text{ or } 10^1$$

10 So a large plant cell is an order of magnitude or 10<sup>1</sup> bigger than a small animal cell.



Cell	Function	Adaptations			
Sperm cell	To fertilise the female gamete (egg cell)	(1) Long tail to swim. (2) lots of mitochondria to release energy. (3) enzyme (acrosome) to breakdown outer cell membrane of egg cell (4) large nucleus containing genetic information			
Nerve cell	To carry electrical impulses around the body	<ol> <li>Many dendrites to make connections with other nerve cells. (2) A axon to carry impulses. (3) Synapses, to pass impulse onto next nerve cell</li> </ol>			
Muscle cell To contract to bring about movement		(1) Special proteins that slide over each other. (2) many mitochondria to transfer energy to move. (3) Large glycogen store to store glucose for respiration			
Root hair cell	To absorb water and mineral ions	<ol> <li>Large surface area (projection) (2) large permanent vacuole to speed up movement of water (by osmosis). (3) many mitochondria, to transfer energy for active transport.</li> </ol>			
Xylem	To transport water and mineral ions	<ol> <li>Hollow tubes to allow water to move upwards.</li> <li>Contain spirals of lignin, to make the tubes strong.</li> </ol>			
Phloem	To transport food around the plant	<ol> <li>Contain sieve plate to allow movement of dissolved food.</li> <li>companion cells contain many mitochondria, to move substances into and out of phloem vessel.</li> </ol>			
Palisade cell To absorb light for photosynthesis to make glucose		<ol> <li>Lots of chloroplast to absorb sunlight for photosynthesis.</li> <li>large permanent vacuole, to store water for photosynthesis and to keep cell rigid.</li> </ol>			

Science

lype	es of micros	copes		Small					Osmosi	S (see key vocal	oulary table)
Microscopes are used to <u>enlarge</u> an object		]	LUNGS Fich aille KOC		<u>Roots (root</u> <u>hair cells)</u>	<u>Leaf</u>	HYPOTONIC ISOTONIC HYPERTONIC SOLUTION SOLUTION SOLUTION				
	Light microscope	Electron microscope		<ul> <li>Efficient</li> <li>blood</li> </ul>	<ul> <li>Efficient</li> <li>blood</li> </ul>	<ul> <li>Efficient</li> <li>blood</li> </ul>	<ul> <li>Large SA</li> <li>Thin cell</li> </ul>	<ul> <li>Flat and thin (large</li> </ul>	H <sub>i</sub> o	H <sub>2</sub> 0 → H <sub>2</sub> 0	H <sub>2</sub> O
Developed?	First developed in the early 17 <sup>th</sup> century	First developed in the 1930s	ations	supply Large SA Thin cell membrane	supply Large SA Thin cell membrane Ventilated	supply Constant flow of water Large SA	<ul> <li>Water</li> <li>constantly</li> <li>moved</li> <li>away</li> </ul>	SA) > Contain air spaces > Stomata	Ő.	0	1
How do they work?	Use a beam of light to form an image	Use a beam of electrons to from a image	Adaptations				(Large PV)		HJO	H20 H20	H₂O
nagnification	Up to 2000x (school microscope = 400x)	Up to 2,000,000x									
Resolving power	See objects that are 200nm apart	See objects that are 0.2nm apart			tube	)			Scientist, I kno		
Other information	Can observe living specimen, cheap and portable	Specimen must be dead to observe, expensive, need to be kept in	ot	osepiece ojective stage			arm coarse focus	describe types 2. Describe the 3. Describe the	e features of bact e functions of the	erial (prokaryotic	
·		special conditions	st	age clip	21	-	fine focus		tic) cells at a specialised o lants and animal		
<ul> <li>Oxygen (al</li> <li>Carbon dic</li> <li>Urea (cells-</li> </ul>	t move by diffusion: lveoli→blood and blo bxide (cells→blood and →blood and blood→ lood >aalbo	nd blood $\rightarrow$ alveoli)		ndenser			base	of cells and be	e an understandir able to make or ac standard form		
Giucose (d	lood→cells)			Active transpo			nto root hair	6. Define the te	erms magnificatio	n and resolution	
	tion gradient			cells from very Plants re Active transpo	equire ions for l	nealthy growth			e electron and lig on and resolution.	ght microscopes i	n terms
<ul> <li>Surface are</li> </ul>	re (†temp=†kinetic el ea (†Surface area=m diffuse through)			transported fro concentration	om low concer (in the blood)	ntration (in the		the formula: m	alculations involvi agnification = size ect -inc standard	e of image/	using

Onions slide practical	Osmosis veget	able pra	ctical			
Method 1. Cut open an onion	Method 1. Prepare solutions of sugar/salt (0.0-1mole)	Solution conc. (mole)	Starting mass (g)	End mass (g)	Change in mass (g)	Percentag change (%
2. Use forceps to peel a thin layer	2. Cut cylinders of vegetable using borer and scalpel	0.0	5.98	6.48	0.5	8.4%
of epidermis from the inside 3. Lay the layer of epidermis on a	3. Weigh each cylinder and record starting mass	0.25	5.92	6.09	0.17	<b>2.9</b> %
microscope slide	4. Place vegetable cylinders into the correct solution and leave for set time	0.5	6.1	5.96	-0.14	-2.3%
4. Add a drop of iodine solution	5. Bung placed on test tubes to stop evaporation	0.75	5.97	5.31	-0.66	-11.1%
to the layer 5. Carefully place a cover slip	<ul> <li>(solutions would become more concentrated)</li> <li>6. Dry each vegetable cylinder (to get rid of </li> </ul>	1	6.08	4.97	-1.11	-18.3%
over the layer(to avoid air bubbles) 6. Examine the slide under a microscope 7. Draw what you can see	<ul> <li>7. Calculate percentage change</li> <li>8. Draw line graph (with line of best fit)</li> <li>Independent: concentration of solution</li> <li>Dependent: change in mass of vegetable cylinder</li> <li>Control: volume of solution, time left in solution, length of vegetable (as starting mass would be different), used the same vegetable for cylinders</li> </ul>	15 (%) sse 5 Li abc -10 15 0 0 0 0 0 0 0 0 0 0 0 0 0	e change =	(stari	ing mass	8
<ul> <li>Iodine – stains organelles</li> <li>Can see:</li> <li>Nucleus</li> <li>Cell Wall</li> <li>cytoplasm</li> <li>Other organelles are too small to observe</li> </ul>	Surface area (cm <sup>2</sup> ) = (base × height) × number of sides         surface area (cm <sup>2</sup> ) = (base × height) × number of sides         volume (cm <sup>3</sup> ) = base × width × height         1cmx1cmx1cm cube         SA = (1 × 1) × 6 = 6cm <sup>2</sup> V = 1 × 1 × 1 = 1cm <sup>3</sup> SA:V = 6:1	Where conce as ther In the		solution insi n or loss in r <b>e concentr</b>	alysis: axis, is the de the veg nass. ation of sug	jetable

	Science   Cells   Topic Dictionary									
Word	Definition	In a sentence								
active transport	The movement of substances from a low concentration to high concentration against the concentration gradient. Requires energy from respiration.	The mineral ions entered the roots by <b>active transport</b> .								
differentiate	The process where cells become specialised for a particular function	When stems cells develop special features that enables them to perform a function, we say they have become <b>differentiated</b> .								
diffusion	The movement of particles (in a solution or of gas particles) from an area of high concentration to an area of low concentration, down the concentration gradient.	The oxygen molecules entered the capillary by <b>diffusion</b> .								
eukaryotic cells	Cells that have a true nucleus and membrane-bound organelles (animal and plant cells)	Animal cells are examples of <b>eukaryotic cells.</b>								
hypertonic	A solution that is more concentrated than the cells contents. Water moves out of cell. Animal cells will shrink. Plant cells will become plasmolysed (cell membrane moves away from cell wall).	<b>Hypertonic</b> saline solution-Fluid is a fluid that contains salt in a concentration higher than that of healthy blood.								
hypotonic	A solution that Is less concentrated than the cells contents. Water moves into cells. Animal cells will grow and burst (lysis). Plant cells become turgid (cell membrane pushes against cell wall).	A hypotonic solution has less solute and more water than other solution.								
isotonic	A solution that is the same concentration as the cells contents. No net movement of water.	An <b>isotonic</b> drink contains the liquid and minerals your body needs after physical exercise.								
osmosis	Diffusion of water from a high concentration (dilute solution) to an area of low concentration (concentrated solution) through a partially permeable membrane.	The roots absorbed water by <b>osmosis</b>								
partially permeable membrane	A membrane that only allows certain substances to pass through, for example, a cell membrane.	Sucrose diffused across the partially permeable membrane.								
plasmolysis	The state of plant cells when so much water is lost from the cell by osmosis that the vacuole and cytoplasm shrinks and the cell membrane pulls way from the cell wall.	Prolonged periods of dehydration, however, can lead to permanent wilting, cell <b>plasmolysis</b> , and subsequent death.								
prokaryotic cells	Cells that have no true nucleus or membrane-bound organelles (bacteria cells)	Bacterial cells are examples of <b>prokaryotic cells</b> .								
resolving power	A measure of the ability to distinguish between two separate points that are very close together	Electron microscopes have a high <b>resolving power</b> , 250 times that of light microscopes.								
turgor	The pressure inside a plant cell exerted by the cell contents pressing against the cell wall.	Water will be lost through transpiration or just used for maintaining <b>turgor</b> in cells.								

Core focus

All learners

## Science | Conservation and dissipation | Knowledge Organiser

## Energy stores

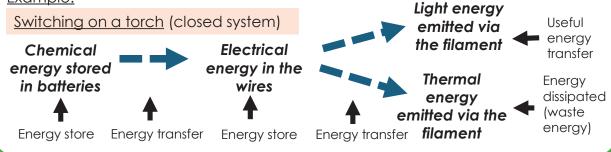
- **Chemical energy store** energy transferred from chemical bonds during chemical reactions (e.g. fuels, batteries, food)
- Kinetic energy store energy a moving object has (e.g. a turbine spinning)
- Gravitational potential energy store energy stored in an objected that has been raised above the ground (e.g. a book on a shelf)
- Elastic potential energy store the energy stored in an object that can be stretched or squashed (e.g. an elastic band)
- Thermal energy store energy a substance has because of its temperature (e.g. a candle)

## **Energy transfers**

Energy cannot be created or destroyed, only transferred.

In a **closed system** the total energy imputed is accounted for in the energy transferred.

Not all energy transferred is useful, some energy transfers are wasted. Example:



## Work done

When an object is moved by a force, work is done on the object by the force. The amount of energy transferred to the object is equal to the work done on it.

- The greater the force applied, the more work is done.
- The greater the distance moved, the more work is done.

### work done W (J, joules)

= force appied, F (N, newtons)

× distance moved, s (m, metres)

#### As a Year 9 Scientist, I know...

1. State that energy can be transferred usefully, stored or dissipated, but cannot be created or destroyed and so the total energy in a system does not change

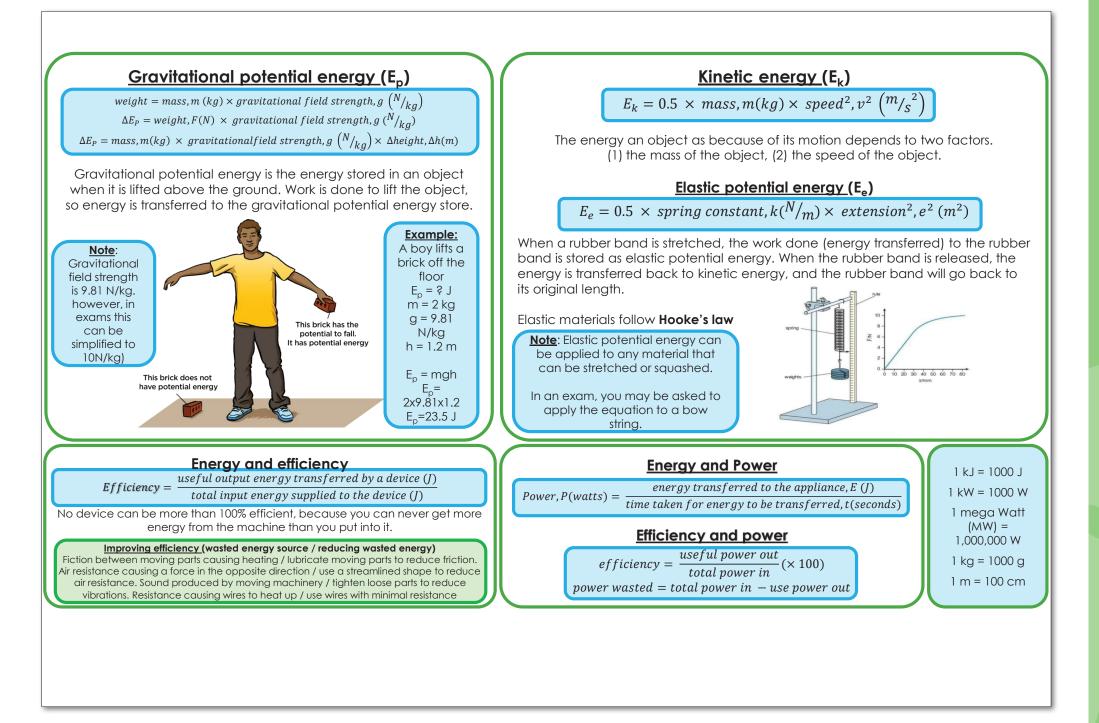
2. Explain that only some of the energy in a system is usefully transferred, with the rest 'wasted', giving examples of how this wasted energy can be reduced

3. Explain ways of reducing unwanted energy transfers and the relationship between thermal conductivity and energy transferred

4. Describe how the rate of cooling of a building is affected by the thickness and thermal conductivity of its walls

5. Calculate efficiency by recalling and applying the equation: [ efficiency = useful power output / total power input ]
6. HT ONLY: Suggest and explain ways to increase the

efficiency of an intended energy transfer



#### Science | Conservation of Energy | Topic Dictionary Definition Word In a sentence... closed system An object or a group of objects for which the total energy is constant No substances can enter or leave a **closed system**, such as a stoppered flask. Energy cannot be created or destroyed, energy can only be transferred from one form to The law of **conservation of energy** is a science law that says energy cannot be created or conservation of energy another destroyed. For a tumble dryer, the electrical work is transferred into useful internal (thermal) energy dissipated energy The energy that is not usefully transferred or stored in less useful ways which helps to dry clothes - energy is **dissipated** by sound waves The ability to do work Sound is an example of an energy. energy energy store Capture of energy produced to be used at another time Chemical energy is the **energy store** in an apple. The extension of a spring is directly proportional to the force applied, as long as the limit of Hooke's law is a principle in physics that states that the force needed to extend or Hooke's law proportionality is not exceeded compress a spring by a certain distance is directly proportional to that distance. input energy Energy supplied to a device Electrical energy is the **input energy** of a television. mass The amount of matter that makes up an object (kg) The mass of the potato Is 0.5kg. power The energy transformed or transferred per second. Measured in watt (W) The light bulb has a **power** of 24 watts. Energy that is transferred where it is wanted in the way it is wanted Sound energy is the main **useful energy** of a radio. useful energy waste energy Energy that is not usefully transferred Heat energy is an example of the **waste energy** transferred from a light bulb. weight The force on a mass due to gravity (newtons) The weight of the apple on earth is 2N. work done When a force makes an object move (Joules) Work done is measured in joules.

Core

focus

HT only

All learners

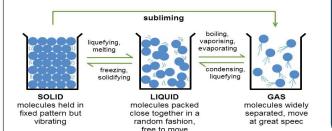
Triple

science on

## Science | Structure and bonding | Knowledge Organiser

### **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.



#### Limitations of the Particle Model (HT only)

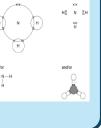
- Limitations of the simple model above include that in the model there are no forces, that all particles are represented as spheres and that the spheres are solid.
- We know atoms are not all spheres and are mostly empty space.

#### 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 avantities 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.

### **Covalent Bondina – 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:



### 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 charaed 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, eg for sodium chloride.

$$Na \bullet + \stackrel{\circ}{\Sigma} \overset{\circ}{L}^{\natural} \longrightarrow \left[Na\right]^{+} \left[ \stackrel{\circ}{\Sigma} \overset{\circ}{L}^{\natural} \overset{\circ}{L}^{\natural} \right]^{-}$$

$$(2,8,1) \quad (2,8,7) \qquad (2,8) \quad (2,8,8)$$

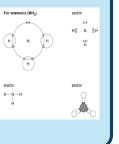
#### As a Year 9 Scientist, I know...

1. Name the three States of matter, identify them from a simple model and state which changes of state happen at melting and boiling points

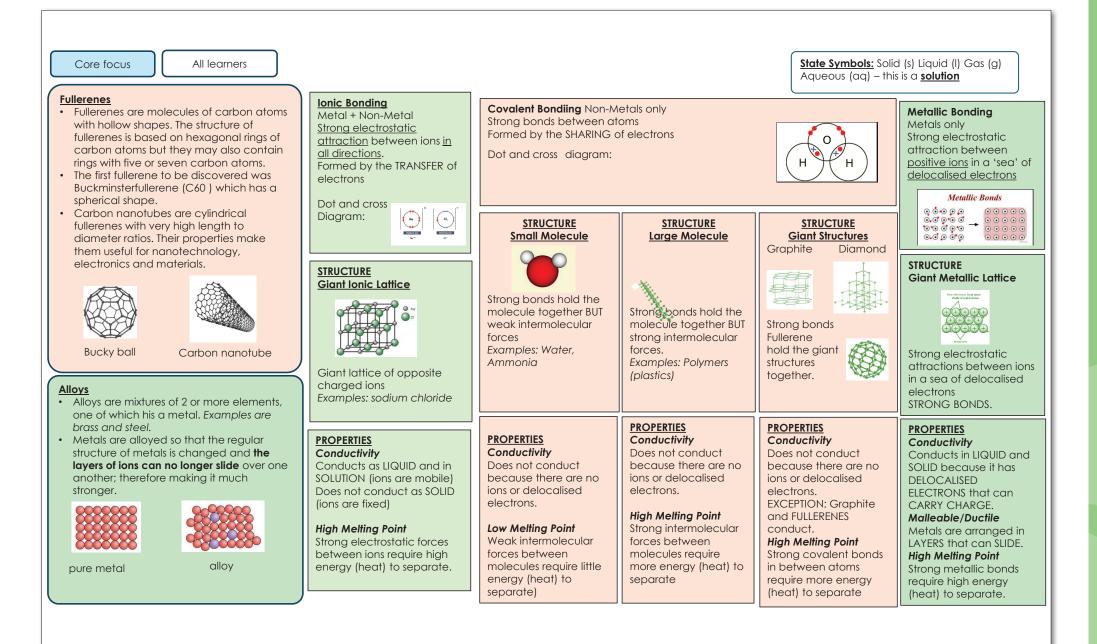
2. Explain changes of state using particle theory and describe factors that affect the melting and boiling point of a substance

3. Describe covalent bonds and identify different types of covalently bonded substances, such as small molecules, large molecules and substances with giant covalent structures 4. Explain how the structure of small molecules affects their properties 5. Explain how the structure of metals and alloys affects their properties, including explaining why they are good

conductors 6. Explain how the structure of gight covalent structures affects their properties



Science



	Science   Conservation of Energy   Topic Dictionary										
Word	Definition	In a sentence									
giant ionic lattice	An ionic compound held together by electrostatic forces between oppositely charged ions	An example of a <b>giant ionic lattice</b> is sodium chloride.									
ionic bonding	Electrostatic attraction between negative and positive ions	lonic bonding occurs between metals and non-metals.									
electrostatic forces	The force of attraction between opposite charged particles.	The positive sodium ions and negative chloride ions in sodium chloride are held together by <b>electrostatic forces</b> .									
molecule	Covalent bonds joining atoms together to make a particle	An oxygen <b>molecule</b> contains 2 oxygen atoms that are held together by a chemical bond.									
intermolecular forces	The weak forces holding molecules together	Graphite has weak intermolecular forces.									
delocalised	Moves around freely	Metals have <b>delocalised</b> electrons within their structure.									

## Spanish | School uniform | Topic Dictionary

Image	Key Word	Definition	In a Sentence
	un abrigo	a coat	No tengo <b>un abrigo.</b>
	una camisa	a shirt	Llevo <b>una camisa</b> blanca.
AIR	una chaqueta	a jacket	Se debe llevar <b>una chaqueta.</b>
ĨŢ	unos calcetines	socks	Mis <b>calcetines</b> son blancos.
Į	una corbata	a tie	No me gusta llevar <b>una corbata.</b>
	una falda	a skirt	Las chicas puede llevar <b>una falda.</b>
	un jersey	a jumper	Si hace frío, llevo <b>un jersey.</b>
	unos pantalones	trousers	A veces llevo <b>unos pantalones.</b>
23	un vestido	a dress	No se puede llevar <b>un vestido.</b>
	unas zapatillas de deporte	trainers	Prefiero llevar <b>unas zapatillas de deporte</b> .
5×44	unos zapatos	shoes	Mis <b>zapatos</b> son negros.

## Spanish | My school | Knowledge Organiser

Check for	Step 1	: Say what	subjects yo	u like		Step 3: Discu	uss school ru	les
i <u>owledge:</u> I can say	Me encanta(n) / ( Me gusta(n) / No I		l love / l hate l like / l don't lik	I love / I hate (No) s I like / I don't like Está p		••	You must (not) You can(not) It is forbidden	
what subjects I like (Steps 1+4)	el español / el fran la historia / la geo las matemáticas /	ografía	Spanish / Frenc History / Geogr Maths / Scienc	raphy	escuchar a los profes comer chicle hacer los deberes llevar uniforme correr en el pasillo charlar en clase usar el móvil		listen to the teachers chew gum do homework wear uniform run in the corridor chat in class use your phone	
l can describe my uniform and give my opinion	el dibujo / la inforn porque es / son divertido/a(s)		Art / IT because it is / i <b>aburrido/a(s)</b>	they are boring				
my opinion (Steps 2+4) I can describe the rules in	fácil(es) interesante(s) útil(es) el/la profe es amo	easy interesting useful	<b>difícil(es)</b> inútil(es) fatigante The teacher is l	difficult useless tiring kind/strict	Pienso que / C Diría que Según yo		I think that I would say the According to I	at
my school (Steps 3+4)			pe your unifo		A mi modo de Es	ver	In my opinion It is	
l can give justified opinions	Llevo Se debe llevar		l wear You must wear		cómodo elegante	comfortable stylish	incómodo feo	uncomfortable ugly
(Step 4)	una camisa una chaqueta	a shirt a jacket	una corbata una falda	a tie a skirt	justo bonito	fair pretty	injusto ridículo	unfair ridiculous
	unos pantalones unos zapatos	trousers shoes	unas zapatillas unos calcetines	trainers socks	importante necesario	important necessary	molesto frustrante	annoying frustrating

## Spanish | My School | Skills Guide

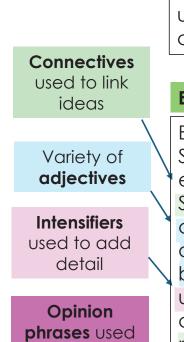
## Have you used..

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) Odio (I hate)	canta(n) ove)el español (spanish) el francés (french) la historia (history)e gusta(n) ike)la geografía (geography) la informática (it) el dibujo (art) la educación física (pe) el teatro (drama) la música (music)dio (I hate)las matemáticas (science)		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)         encuentro que	es (it is) son (it is/they are)	muy (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)
	mi proi	fe de (my teacher)		<u>(I find that)</u>	<b>es</b> (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) Ilo (run in the corridors) ; (swear) rofes (listen to the teachers)	nt)		Example: Me encantan las ciencias porque según yo son muy entretenidas.	
		muy (very) un poco (a little)	justo (fair) / logico (logical) / necesario (necessary) / razonable (reasonable)				(I love Science because according
Lo encuentro (I fi	ind it)	bastante (quite) demasiado (too) realmente (really)	molesto (annoyi (ridiculous) / inút	ng) / <b>frustrante</b> (frustrating) / i <b>il</b> (pointless)	njusto (unfair) ridiculo		to me it's very entertaining)

## Spanish | My school | Skills Guide

## Success Criteria:

- Have you introduced yourself?
- Can you give opinions and reasons about school subjects? Have you used the correct word order and adjective endings?
- Can you describe your school uniform? Can you express your opinion about it?
- Can you describe your school rules? Can you give your opinion using an opinion phrase? Could you add an intensifier?



to upgrade answer.

## Simple answer:

Buenos días, me llamo Elena y mi colegio se llama St Mark's. Me gusta el inglés porque es divertido. No me gustan las ciencias porque son dificiles. Llevo una camisa blanca y una chaqueta roja. En mi colegio se debe hacer los deberes.

## Extended answer:

**Examples/Complex reasons** given to justify opinions

Buenos días, me llamo Elena y mi colegio se llama St Mark's. Me chifla el inglés porque me interesa y es realmente útil porque me gustaría ser periodista. Sin embargo, no me gustan las ciencias ya que son dificiles y el profe puede ser muy estricto y antipático. Mi uniforme consiste en una camisa blanca y una chaqueta roja aunque lo encuentro un poco incómodo. También, en mi colegio se debe hacer los deberes y escuchar a los profes pero creo que es bastante lógico y justo.

# Spanish | Photo Card | Skills Guide

People

Action

Location

## Success Criteria:

Have you
described wha
you can see in
the photo?

- Have you used 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?

## Step 1: Describe what you can see in the photo

En la foto hay... (in the photo there is...) En la foto puede ver... (in the photo I can see...)

### □ Who?

- 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?

- están caminando (they are walking
- están hablando (they are talking)
- está(n) sonriendo (they are smiling)

### □ Where?

### 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?

- **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.
 Mood
 Opinion: A mi modo de ver, me encanta salir 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)

## Step 2: Give an opinion about the activity

## Spanish | Relationships | Topic Dictionary

Image Key Word		Definition	In a Sentence
	me llevo bien	I get on well	<b>Me llevo bien</b> con mi hermana porque es simpática.
101	discuto	largue	A veces <b>discuto</b> con mi hermano porque es molesto.
<b>*</b>	me peleo	l bicker	De vez en cuando <b>me peleo</b> con mis padres.
	me divierto	l have fun	Los fines de semana, <b>me divierto</b> con mis amigos.
<b>◆</b> <b>●</b> <b>●</b>	me hace reír	He/She makes me laugh	Me encanta mi mejor amigo porque <b>me hace reír.</b>
n)?	escucha mis problemas	He/She listens to my problems	Mi madre siempre <b>escucha mis problemas</b> .
÷ + +	cree en mí	He/She believes in me	Mi abuela <b>cree en mí.</b> .
ŕ.i	ayuda a todos	He/She helps everyone	Admiro a Michelle Obama porque <b>ayuda a</b> <b>todos.</b>

Spanish   My family & friends   Knowledge Organiser										
 neck for	Step 1: Desc	ribe your own d	and others' ap	pearance	Step 3: Saying what m	akes a good friend				
lowledge:	Tengo		I have	I friendhau	Un(a) buen(a) amigo/a	A good friend				
describe my		•	My mum / dad	-	Ayuda a todos	Helps everyone				
appearance	los ojos azules / el pelo castaño	verdes / marrones / rubio / negro	blue / green / b brown / blond /	,	Escucha mis problemas	Listens to my problems				
& personaity	el pelo rizado / liso / ondulado el pelo largo / corto		curly / straight / wavy hair long / short hair		Cree en mí	Believes in me				
(Steps 1+2)	Soy		l am		Acepta mis impefecciones	Accepts my imperfections				
l can	Mi madre / padre / amigo/a es alto/a / pequeño/a gordo/a / delgado/a		My mum / dad	/ friend is	Me cuida	Takes care of me				
describe			tall / short fat / thin		Me da consejos	Gives me advice				
others'	fuerte / débil		strong / weak		Me hace reír	Makes me laugh				
appearance	Step 2: Desc	ribing your own	and others'	personality	Respecta mis opiniones	Respects my opinions				
and personality	Soy		lam	sersorrainy	Step 4: Say who your role model is					
(Steps 1+2)		e / amigo/a es	My mum / dad / friend is I get on well with my mum / sister because she is							
l can say	Me llevo bien co	n mi madre / mi			Mi modelo a seguir es	My role model is				
what makes	hermana porque				Admiro a	l admire				
a good	Discuto con mi p	adre / mi hermano	I argue with m	y dad / brother	Tiene mucho talento	he/she has a lot of talent				
friend (Step	porque es		because he is	••••	Tiene mucho éxito	he/she has a lot of success				
3)	simpático/a	nice	antipático/a	mean	Tiene mucha determinación	he/she has a lot of determination				
l can say	amable	kind	estricto/a	strict	Lucha contra la pobreza	he/she fights against poverty				
who my role	gracioso/a	funny	terco/a	stubborn	Lucha para los derechos	he/she fights for human rights				
model is	paciente	patient	impaciente	impatient	humanos					
(Step 4)	generoso/a	generous	molesto/a	annoying	Usa su fama para ayudar a otros	he/she uses their fame to help others				

## Spanish | My family & friends | 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 llevo bien con (I get on well with) Discuto con (I argue with) Me peleo con (I bicker with) Me divierto con (I have fun with)	Mi madre (mum) Mi hermana (sister) Mi (mejor) amiga (best friend - f) Mi abuela (grandmother) Mi profesora (my teacher -f) Mi padre(father) Mi hermano (brother) mi (mejor) amigo (best friend – m) Mi abuelo (grandfather) Mi profesor (my teacher - m)	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)         encuentro que (I find that)	es (he/she is)	muy (very) bastante (quite) realmente (really) un poco (a bit)	simpático/a (nice) amable (kind) gracioso/a (funny) paciente (patient) generoso/a (generous) antipático/a (mean) estricto/a (strict) terco (stubborn) énervant(e) (annoying) impatient(e) (impatient)
Mi modelo a seguir es My role model is Admiro a I admire	Mi madre / mi hermana / mi (mejor) amigo / mi abuela Mi padre / mi hermano/ mi (mejor) amigo / mi abuelo	porque (because) ya que (because) y (and)	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)         encuentro que         (I find that)	tiene mucho talento / é a lot of talent / success) tiene mucha determination has a lot of determination lucha contra la pobrezo derechos humanos (he, against poverty / for hum usa su fama para ayuda (he/she uses their fame	<b>ción</b> (he/she on) <b>1 / por los</b> /she fights man rights) <b>ar a otros</b>	Example: Me llevo bien con mi padre porque según yo es muy amable. (I get on well with my dad because according to me he is very kind)

# Spanish | Photo Card | Skills Guide

## Success Criteria:

Have you described what
<b>you can see</b> in the photo?

- Have you used 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?

## Step 1: Describe what you can see in the photo Sur la photo il y a... (in the photo there is...)

Sur la photo je peux voir... (in the photo I can see...)

### □ Who?

.

- **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?

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

### □ Where?

Location

People

Action

Mood

### lls 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?

- **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. amigos. También hay tres chicas y dos chicos. Je peux voir qu'ils sont en train de parler et je pense qu'ils sont a la plage. Finalement, ils sont contents.

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

## Step 2: Give an opinion about the activity

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

## anthem

