

Kettering Buccleuch Academy



MID-YEAR ASSESSMENTS

Name:	
Tutor Group:	
Tutor & Room:	

"If you are not willing to learn, no one can help you. If you are determined to learn, no one can stop you."

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Your Knowledge Organiser and Self-Quizzing Book



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This is the book that all Knowledge Organiser homework is to be completed in.

You must follow the simple rules as to how they are to be used.

Knowledge Organisers

Knowledge Organisers contain critical, fundamental knowledge that you MUST know in order to be successful in Year 9

They will help you recap, revisit and revise what you have learnt in lessons in order to move the knowledge within from your short-term memory to long-term memory.





You MUST bring your Knowledge Organiser and Self-Quizzing Book to **EVERY** lesson and place it on your desk at the beginning of each lesson.

You MUST keep all of your Knowledge Organisers and Self-Quizzing Books because the fundamental knowledge required in Year 9 will also be required in years 10 and 11.

Knowledge Organisers are **NOT** a replacement for revision guides but they include the fundamental knowledge that ALL students in Year 9 require.



How do I complete Knowledge Organiser homeworks?

You will be set a MINIMUM of 2 Knowledge Organiser homeworks in every subject each half term



I am proud of my work because... Can I write in paragraphs? I have written clearly so that my reader can understand my writing easily. You move onto a new paragraph when you I have checked my **spelling** and change Time, Place, Topic or Person. corrected any errors. I have used full sentences with a subject and a verb. I have used correct punctuation and arammar. I have paragraphed my work using **TIPTOP**. My writing is suitable for the person I am writing for. Can I spell familiar words accurately? Meanwhile Nonetheless However **Common contractions** Although We must use an apostrophe to replace any letter(s) Moreover we have left out. How 11 o'clock ľd Aren't Can't 1'11 Couldn't l'm Didn't Isn lt'd Doesn't Don't l†'|| Hadn' lt's Hasn't Might Must Haven' He'd Shar She¹ He'll He's She She How'd Should How'll

The TIPTOP rule

But

Since

Yet

Therefore

Besides

1 of 2

/'s	They'd	Where'll
I	They'll	Where's
	They're	Who'd
n	Wasn't	Who'll
t	We'd	Who's
k	We'll	Why'd
I	We're	Why'll
5	Weren't	Why's
tn't	What'd	Won't
n't	What'll	Wouldn't
n't	What's	You'd
d	When'd	You'll
'	When'll	You're
'S	When's	
dn't	Where'd	

Can I use different sentence types?

Simple sentences: Contains a subject and a verb and can contain an object.

- Sarah likes to read in the library.
- Tom enjoys reading at home.

Compound sentences: Joins two simple sentences using the connectives: for, and, nor, but, or, yet, so,

 Sarah likes to read in the library but Tom prefers to read at home.

Complex sentences: A complex sentence contains a conjunction such as because, since, after, although, or when.

- Because Robert felt tired, he only studied for an hour
- Although the rain had stopped, the pitch was still water-logged
- Paul eniovs Music, however, he is more proficient in Art.

Homophones

I have checked that I have not mixed up my homophones.

Affect/effect Bare/bear Brake/break Buy/by For/four Flour/flower Grate/great Hair/hare Hole/whole Hour/our Knight/night Know/no

Meat/meet

One/won Passed/past Peace/piece Practice (n)/practise (v) Read/red Sea/see Sight/site Son/sun To/too/two Wait/weiaht Weak/week Wear/where

Basics:

- Every sentence must start with a capital letter.
- Every sentence must finish with some form of punctuation: .?!
- Proper nouns need capital letters. These are **unique** people, places or things e.g. there are many cities so 'city' doesn't take a capital letter. However there is only one London, therefore it takes a capital letter.
- When writing titles of works such as books, films or plays:
 - Capitalise the first word
 - Capitalise any main/important words
 - Don't capitalise minor words such as 'and', 'of' or 'the' e.a. The Sound of Mus The Wizard of Oz. Harry Potter and the Goblet of Fire
- When writing speech:

said Mr Mathews

- ✓ Go to a new line when a different person speaks e.g. "Good morning" said the Headteacher "It's the afternoon!" replied the student.
- ✓ Each person's speech is marked with speech marks e.g. "Walk on the left"

Can I spell accurately?

- Sound out the word 2. Think about how it looks
- Think about a similar word
- 4. Is there a memory sentence 8. To learn it: look, cover, v check for this word? (e.g. big 9. Once you've solved it, o elephants cannot always the correct spelling to yo use small exits)
- 5. Find the word in a list -
- Key words list
- Frequently used words list
- Your own word bank

sics:	Can I use punctuation?					
art with a capital letter. nish with some form of	The Apostrophe					
oital letters. These are or things e.g. there are esn't take a capital only one London,	There are two main reasons why we use apostrophes: for possession and to replace a letter or letters <u>Note:</u> Apostrophes are NEVER used to denote plurals					
bital letter. orks such as books, films	Full stop		Indicates that a sentence has finished			
first word main/important words e minor words such as	Comma	,	Indicates a slight pause in a sentence, separates clauses in a complex sentence and items in a list			
e' e.g. The Sound of Music, z, Harry Potter and the	Question mark	?	Goes at the end of a question			
when a different	Exclamation mark	ļ	Goes at the end of a dramatic sentence to show surprise or shock			
.g. "Good morning" said	Apostrophe	4	Shows that letter(s) have been left out or indicates possession			
on!" replied the student. beech is marked with g. "Walk on the left"	Speech marks		Indicate direct speech, the exact words spoken or being quoted			
g. Wak on the left s.	Colon	:	Introduces a list, a statement or a quote in a sentence			
accurately?	Semicolon	;	Separates two sentences that are related and of equal importance			
 Look it up in a dictionary/ spellchecker 	Dash / hyphen	-	Separates extra information from the main clause by holding words apart			
 Ask a friend or teacher To learn it: look, cover, write, check 	Brackets	0	Can be used like dashes, they separate off extra information from the main clause			
 Once you've solved it, add the correct spelling to your own word bank. 	Ellipsis		To show a passage of time, to hook the reader in and create suspense			

Literacy Fundamentals 2 of 2

Apostrophe for Possession

(To show that something belongs to another)

If a single thing/person owns anything,

add an apostrophe + 's'. • The dog's bone

- The boy's homework
- Jones's bakery
- Yesterday's lesson

However, if it is plural (more than one), an apostrophe comes after the 's'.

- The dogs' bones The boys' homework
- Joneses' bakeries (lots of Jones families)
- Many websites' content is educational

There/their/thev're

Note: special care must be taken over the use of there, their and they're as they sound the same but are used quite differently:

- There shows position Your seat is over there
- Their shows that 'they' own something Their blazers are navy blue
- They're is short for they are as in They're revising every day

Note: its, which shows that something owns something (like our, his etc), **does not** take an apostrophe: the dog ate its bone and we ate our dinner.

Your/you're

Note: special care must be taken over the use of your and **vou're** as they sound the same but are used auite differently:

- Your is possessive as in this is your pen
- You're is short for you are as in you're coming over to my house

Whole Academy Reading 1 of 4

Harper Lee

Nelle Harper Lee was born on April 28, 1926, in Monroeville, Alabama, a sleepy small town similar in many ways to Maycomb, the setting of To Kill a Mockingbird. Like Atticus Finch, the father of Scout, the narrator and protagonist of To Kill a Mockingbird, Lee's father was a lawyer. Lee maintains that To Kill a Mockingbird was intended to portray not her own childhood home but rather a non-specific Southern town. "People are people anywhere you put them," she declared in a 1961 interview.





To Kill a Mockingbird - Context

American slavery

Black people were originally brought from Africa to America during the 17th, 18th and 19th centuries. They were forcibly transported across the Atlantic in slave ships (in which many died) and sold as slaves to work on sugar and cotton plantations in the Caribbean and the southern states of north America. They had no rights and were seen by their white owners as little more than animals or machines. Even after the abolition of slavery in 1865, black people were still almost powerless. White people had too much to lose to allow black people any rights. Nothing was equal: black people had the worst of everything while white people had the best. Jim Crow laws operated between 1877 - the mid 1960s.

Such was the hatred of black people by white people - especially during the Great Depression of the 1930s, when money was tight for everyone - that it was common for black people to be lynched or hanged by a mob well into the 20th century - so there was good reason for Atticus to sit outside the jail to protect Tom Robinson before his trial. In the 1930s, although 50% of the population of Southern towns were black, they had no vote and could not marry whites. The policy of segregation meant that black people had to have their own schools, their own churches, their own football teams, even their own cemeteries. In the novel, Scout and Jem get into trouble with Aunt Alexandra for attending Calpurnia's church. Tom Robinson's friends and family file into the courthouse after the whites and have to sit up in the balcony, away from the white people.

The Great Depression

In late 1929 the economic prosperity of the 1920s came to an end with the Wall Street Crash followed by the Great Depression. The economic boom of the 1920s rested on a fragile foundation; there was such an unequal distribution of income between the rich and the poor that when things started to falter, there were not enough people to buy goods and services to keep the economy in a healthy state. Rural, southern towns in the United States were hit hard because they were largely reliant on agriculture. Problems with the economy had a flow-on effect to all parts of society. People lost jobs, marriages broke down, banks failed, people became homeless, businesses folded, birth rates fell, people got depressed and many people went hungry. This explains the situation of poor farmers like the Cunninghams in To Kill a Mockingbird who have no money to pay a lawyer but pay instead with produce like hickory nuts and turnip greens. As Atticus says, 'The Cunninghams are country folks, farmers, and the crash hit them hardest'.

To Kill a Mockingbird - Characters

Whole Academy Reading 3 of 4

Scout

- The narrator and protagonist of the story. Jean Louise "Scout" Finch lives with her father, Atticus, her brother, Jem, and their black cook, Calpurnia, in Maycomb.
- She is intelligent and, by the standards of her time and place, a tomboy.
- Scout has a combative streak and a basic faith in the appadess of the people in her community.
- As the novel progresses, this faith is tested by the hatred and prejudice that emerge during Tom Robinson's trial.
- Scout eventually develops a more grown-up perspective that enables her to appreciate human goodness without ignoring human evil.

Tom Robinson

 The black field hand accused of rape. Tom is one of the novel's "mockingbirds", an important symbol of innocence destroyed by evil.

Bob Ewell

- A drunken, mostly unemployed member of Maycomb's poorest family.
- In his knowingly wrongful accusation that Tom Robinson raped his daughter, Ewell represents the dark side of the South: ignorance, poverty, squalor, and hate-filled racial prejudice.

Arthur 'Boo' Radley

- A recluse who never sets foot outside his house. Boo dominates the imaginations of Jem, Scout, and Dill.
- He is a powerful symbol of goodness swathed in an initial shroud of creepiness, leaving little presents for Scout and Jem and emerging at an opportune moment to save the children.
- An intelligent child emotionally damaged by his cruel father, Boo provides an example of the threat that evil poses to innocence and goodness.
- He is one of the novel's "mockingbirds," a good person injured by the evil of mankind.

Jem

- Scout's brother and constant playmate at the beginning of the story. • Jeremy Atticus "Jem" Finch is something of a typical American boy, refusing to
- back down from dares and fantasising about playing football.
- Four years older than Scout, he gradually separates himself from her games, but he remains her close companion and protector throughout the novel.
- Jem moves into adolescence during the story, and his ideals are shaken badly by the evil and injustice that he perceives during the trial of Tom Robinson.

Charles Baker "Dill" Harris

- Jem and Scout's summer neighbour and friend.
- Dill is a diminutive, confident boy with an active imagination. He becomes fascinated with Boo Radley and represents the perspective of childhood innocence throughout the novel.

Atticus

- Scout and Jem's father, a lawyer in Maycomb descended from an old local family.
- A widower with a dry sense of humor, Atticus has instilled in his children his strong sense of morality and justice.
- He is one of the few residents of Maycomb committed to racial equality.
- When he agrees to defend Tom Robinson, a black man charged with raping a white woman, he exposes himself and his family to the anger of the white community.
- With his strongly held convictions, wisdom, and empathy, Atticus functions as the novel's moral backbone.

Mayella Ewell

- Bob Ewell's abused, lonely, unhappy daughter.
- Though one can pity Mayella because of her overbearing father, one cannot
- pardon her for her shameful indictment of Tom Robinson.

Ch	ı					_		
1/2	Apothecary	One who prepares and sells medicines	5/6	Benign	Compassionate; incapable of causing harm	9-11	Antagonised	Created an enemy or an antagonist
1/2	Assuaged	Made less severe or	5/6	Bewilderment	Condition of being	9-11	Articulate	To speak clearly and in
		burdensome			confused			distinct syllables
1/2	Indigenous	Occurring or living naturally	5/6	Cherub	A winged, chubby angel	9-11	Contemporaries	Those who exist/live at the
		in an area	5/6	Ensuing	Following immediately			same time
1/2	Malevolent	Having or exhibiting hatred			afterward	9-11	Evasion	An act of escaping or avoiding
1/2	Mortification	A feeling of shame or	5/6	Morbid	Gruesome, gloomy, or dark	9-11	Inconspicuous	Not noticeable or prominent
		humiliation	5/6	Obliged	Under force of necessity;	9-11	Ingenious	Characterised by cleverness
1/2	Piety	Religious devotion and			obligated	9-11	Nauseating	Causing nausea or upset
		reverence to god	5/6	Prowess	Superior skill or ability;			stomach
1/2	Sojourn	A brief, temporary stay			strength or courage	9-11	Mausoleum	A magnificent, decorated
1/2	Unsullied	Spotlessly clean and fresh	5/6	Tacit	Unspoken; understood			tomb
1/2	Vexations	Irritations or annoyances			without being expressed	9-11	Provocation	Causing aggravation or
1/2	Wallowing	Heavily indulging in; rolling in	7/8	Aberrations	Deviations from the proper			annoyance
3/4	Abominable	Detestable; unpleasant			course	12-13	Acquired	Obtained possession of
3/4	Amiable	Pleasant; good-natured	7/8	Accosted	Approached in a harsh			something
3/4	Auspicious	Presenting favourable			manner; assaulted	12-13	Altercation	An angry dispute; quarrel
		circumstances	7/8	Ascertaining	Discovering with certainty;	12-13	Compensation	Something given to make up
3/4	Contentious	Tending to fight; quarrelsome			determining			for something else
3/4	Dispensation	A special allowance; privilege	7/8	Cleaved	Adhered to closely; clung to	12-13	Contemptuously	Showing contempt; scornfully
3/4	Expansively	With a willingness to talk, share	7/8	Embalming	Treating with preservatives	12-13	Ecclesiastical	Having to do with the church
3/4	Fractious	Inclined to make trouble;			to prevent decay			or the clergy
		unruly	7/8	Feeble	Physically weak from age	12-13	Formidable	Hard to overcome or deal with
3/4	Persevere	To persist in a purpose,			or sickness; frail	12-13	Inconsistent	Not consistent; not in
		idea, or task	7/8	Meditative	Given to contemplation or			agreement
3/4	Tranquillity	State of calm, peacefulness,			deep thought	12-13	Permanence	Being permanent; lasting
		serenity	7/8	Unfathomable	Difficult or impossible to	12-13	Prerogative	A right or privilege
3/4	Tyranny	A government in which a			understand	12-13	Qualms	Sudden, disturbing feelings of
		single person assumes	7/8	Vigil	Wakefulness maintained in			uneasiness
		absolute control			reverence to another			
5/6	Aloof	Distant; unfeeling	7/8	Whittle	To carve or shape			
5/6	Benevolence	Inclination to perform	9-11	Analogous	Possessing connections,			
		charitable acts			similarities			

To Kill a Mockingbird - Vocabulary List

To Kill a Mockingbird - Vocabulary List

Edification	Intellectual, spiritual, or moral	18-19	Acquainted				
			Acquaimea	Familiar; having personal	22-23	Heathen	Someone who deliberately insults
	improvement			knowledge of			religion, god, or a way of life
Inaudible	Not audible; cannot be heard		Brash	Tactless; bold		Resentments	Feelings of ill-will toward someone
Indulged	Gave in to one's pleasures;		Browbeating	Intimidating; bullying	22-23		A law enacted by legislature
			1.	,			With conviction or force
Obscure	, . [0 1 0	24-25	Adjourned	Suspended until a later time
		18-19	Pilgrimage		24-25	Apprehension	Hesitation
Peculiarities	Strange or unusual qualities			knowledge or religious reasons	24-25	Bellows	A device for blowing air on a
Penitentiary	A prison for criminals	18-19	Predicament	An unpleasant situation			flame in order for it to grow
Perish	To be destroyed; die	18-19	Proceedings	A particular course of action	24-25	Devout	Devoted to divine worship or
Placid	Pleasantly calm or peaceful;	18-19	Volition	The act of making a conscious			service
	quiet			decision	24-25	Duress	Constant threat; coercion
Quarrel	An angry dispute or	18-19	Wrathfully	With great anger, hatred, or ill-will	24-25	Hypocrite	Someone who pretends to
	disagreement	20-21	Acquit	Declare someone innocent			have virtues, moral or religious
Resignation	The act of resigning,	20-21	Contraband	Goods that are illegally			beliefs, etc. That he or
	withdrawing			imported or exported			she does not possess
Acrimonious	Bitter, stinging, or caustic in	20-21	Corrupting	Causing to be immoral or	24-25	Navigate	To find one's way
	nature or speech			dishonest	24-25	Squalid	Foul and repulsive; neglected
Corroborating	Making more certain; double-	20-21	Detachment	Lack of interest or involvement	24-25	Varmint	An undesirable animal, usually
	checking; conspiring	20-21	Discreet	Careful; good at keeping secrets			a scavenger
Countenance	Appearance; face	20-21	Indicted	Formally charged with a crime	24-25	Veneer	A thin surface layer
Frank	Direct and unreserved in speech	20-21	Perpetuated	Made something last, go on	24-25	Carcass	The body of a human or animal
Grudge	A feeling of resentment or III-will	20-21	Temerity	Reckless, offensive boldness			
Gullet	The oesophagus; throat	20-21	Vengeance	Punishment in return for a wrong			
Lurched	Staggered; stumbled	20-21	Verdict	A decision made by a jury			
Profane	Hold contempt for, usually	20-21	Acquit	Declare someone innocent			
	towards god or	22-23	Aggravate	To annoy or anger someone			
	sacred principles	22-23	Appeal	An earnest or urgent request			
Scrutiny	A thorough searching; a close	22-23	Cynical	Distrustful of human nature			
	examination or inquiry	22-23	Diction	Clarity when speaking; choice			
Subpoena	A summons for witnesses or			of words			
	evidence before a court	22-23	Fatalistic	Resigning to fate; allowing			
Acrimonious	Bitter, stinging, or caustic in			what happens to happen			
	nature or speech	22-23	Fret	To worry			
	Obscure Peculiarities Penitentiary Perish Placid Quarrel Resignation Acrimonious Corroborating Countenance Frank Grudge Gullet Lurched Profane Scrutiny Subpoena	had what one wantedObscureNot clearly expressed; hard to understandPeculiaritiesStrange or unusual qualitiesPenitentiaryA prison for criminalsPerishTo be destroyed; diePlaciaPleasantly calm or peaceful; quietQuarrelAn angry dispute or disagreementResignationThe act of resigning, withdrawingAcrimoniousBitter, stinging, or caustic in nature or speechCouroboratingMaking more certain; double- checking; conspiringCountenanceAppearance; faceFrankDirect and unreserved in speechGrudgeA feeling of resentment or III-willGuiletThe oesophagus; throatLurchedStaggered; stumbledProfaneHold contempt for, usually towards god or sacred principlesScrutinyA summons for witnesses or evidence before a courtAcrimoniousBitter, stinging, or caustic in staggered; stumbled	had what one wanted18-19ObscureNot clearly expressed; hard to understand18-19PeculiaritiesStrange or unusual qualitiesPenitentiaryA prison for criminals18-19PerishTo be destroyed; 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double- checking: conspiring20-21CorruptingCausing to be immoral or dishonest24-25Navigate 24-2524-25VarimitCountenanceAppearance; face20-21Detachment dishonestLack of interest or involvement dishonest24-25VarimitCountenanceAppearance; face20-21DiscreetCareful; good of keeping secrets formally charged with a crime24-25VeneerFrankDirect and unreserved in speech fordage20-21PerpeturdedMack someane innocent daggered; stumbled20-21Perpeturded A decision made by a jury24-25VeneerProfaneHold contempt for, usually towards god or sacred principles22-23AppealAn earnest or urgent request24-25VeneerSubpoena<

Art 1 of 2

1. The Formal Elements

- Line: Defines shape: the outer edge of somethina. It can varv in width, direction and length.
- Tone: How dark or light a shape is.
- Pattern: A repeated shape or line
- Texture: The feel or appearance of a surface: how rough or smooth it is.
- Shape: Can be in the form of squares, circles, trianales, rectangles, and ovals.

Additional Key Words

- Oraanic free flowing or rounded, seemingly natural.
- Geometric refers to the shapes such as triangles, squares, etc.
- Symmetry meaning it is equal on both sides.
- Flat tones no tonal effect in the colour.
- Distorted a shape that is changed and no longer looks proportioned.

2. Key Terms specific to: 3D

- Sculptor: An artist who works in 3D.
- Carvina: The sculptor removes unwanted material to create the form. Materials such as a block of wood, stone, soap and other hard materials are used.
- Modelling: The sculptor creates a form by building it up. Clay, paper machê, and other soft materials are modelled into a sculpture. Modelling with clay is generally the first process for creating a cast metal sculpture.
- Assembly or construction: The sculptor joins materials together. This is also additive sculpture. Materials such as steel, wood, and found materials are alued, welded, or connected in some way to create a sculpture.
- Bas Relief: Low level carving, modelling or assembling that is designed to be viewed from one gnale.

3. Colour Theory

Colour: When light is reflected of an object, colour is what the eye sees. There are primary colours and secondary colours.

Warm Colours: Colours that YELLOW GREEN give the feeling of warmth GREEN secondary - red, orange, yellow.

Cool colours: Colours that BLUE GREEN aive a cool feelina tertiary - blue, areen purple.

Complementary colours: Opposite colours on the colour wheel.

BLUE BLUE VIOLET tertiary

2. Techniques specific to: Textiles

- Applique: A decoration made by cutting shaped of fabric and sewing them to another piece of fabric with a zig zag stitch.
- Collage: Layering fabric and papers together to create an image, different textures or pattern.
- Embellishment: a decorative detail or feature added to something to make it more attractive.
- Stitch: A loop of thread that can connect fabric pieces together.
- Fabric: cloth produced by weaving or knitting textile fibres
- Surface decoration: Applying decorative stitches and other embellishments to the surface of fabric.
- Fabric manipulation: Altering and changing the appearance of fabric by using different methods such as pulling the fibres, twisting and stitching.

Shade: When Black is mixed with a colour to make it darker

Tint: When white is mixed with a colour to make it lighter.



4. Composition

- **Composition:** the arrangement/layout of shapes/ objects on the page.
- **Proportion:** The size and shape of one object in comparison to another.
- Foreground, mid ground, background: The greas at the front middle or back of a drawing or paintina.
- Focal Point: The part of the artwork which stands out and draws the eve.
- Perspective: The way of showing that objects appear to aet smaller and closer together the further away they are from the viewer.
- Symbol: A picture of image that tells a story of what it is without using word.
- Depth: the illusion of space.

Key Terms specific to: Art	<u>Three Words</u> <u>to Critique</u> Movement	<u>Four Words to</u> <u>Critique Tone</u>	<u>Five Words to</u> <u>Critique Shape</u>	<u>Five Words to</u> <u>Critique Scale</u>
 Mark making: The different line, patterns and textures we create in a piece of art. Medium: The media used to create the artwork. Observational: Closely studying objects. Collage: an image that is created by using layers of other images and/or materials. Mixed Media: Using a variety of different media to create an artwork. Sculpture: A 3D piece of artwork. Realism: Painted realistically. Abstract: Art which does not represent images of our everyday world. 	Movement Movement is seen in every piece of art. Movement helps to create or define a piece of art. 1. Swirling 2. Flowing 3. Dramatic Six Words to Critique Colour In art colour is very important. This is what	When it comes to tone in art there are four words that can help you when critiquing. None of the words are fancy; however they may not all be use in your everyday conversations with friends. 1. Subtle 2. Contrasting 3. Muted	Art comes in various shapes whether it is a painting or a sculpture. Therefore, there are specific words to describe each piece of art. 1. Organic 2. Curvaceous 3. Geometric 4. Angular 5. Elongated	Scale is basically the size of the art. The words used to critique scale are common words that are already in our vocabulary. 1. Large 2. Small 3. Intimate 4. Miniature 5. Monumental
 Techniques specific to: Photography Aperture: The size of the hole which controls how much light is allowed into the camera when taking a photograph. The higher the aperture the smaller the hole (less light). Focus: Areas of an image may be in focus (clear and sharp) and some areas may be out of focus (blurry and difficult to see). Focal Point: The part of the photograph that the eye is immediately drawn to. Rule of thirds: A technique used to create a successful composition. The rule states that the focal point should not be dead centre. Leading lines: The viewers eyes are naturally drawn along vertical and parallel lines. 	helps each piece of art stand out. The colour, no matter what type of artwork helps define the piece and the artist. A lot of artwork can be determined on who did the work just by looking at the colours, because certain artists use specific colours in every piece of their work. 1. Bold 2. Vibrant 3. Subtle 4. Pale 5. Earthy 6. Naturalistic	4. Dramatic Three Wor Critique CC Two out of the three w contrast have already critique other element Therefore, it should no remember these word descriptive words to c The only other word your remember here is the and that is a pretty con 1. Dramatic 2. Subtle 3. Strong	Important Important vords for Texture v been used to element vs of art. when re t be hard to furniture ls on a list of have ev ritique art. home y pour need to with the	oth se

Commedia Dell'Arte

shown through body language.

Leaps, tumbles, slapstick used.

Soldiers, Pompous doctor,

• Minimal set.

servant.



- Antagonist: A character who causes trouble for the protagonist.
- Aside: A comment which a character makes to another character of audience. The rest of the characters on stage can't hear them.
- Backstory: The events that have happened to a character before the action of the play.
- Blackout: When the stage lights are turned off between scenes or at end of a performance.
- Body language: The way movements, posture and gestures can show someone feels without speaking.
- Character arc: The way a character changes over the course of a st
- Characterisation: the way an actor interprets and performs the characterisation
- Choreography: A rehearsed sequence of steps or movements.
- Chorus: A group of third person narrators who provide extra informat about the plot and comment on the action or characters. Originally a of Ancient Greek theatre.
- Comedy: A genre of drama which features humour and a happy en
- Commedia dell'arte: A type of comedy popular in the 16th to 18th ce Italy that makes use of stock characters.
- Cue: A signal that tells the actors or technicians when a certain action needs to take place.

Pantomime • Usually based on a fairytale. • Pantomime 'dame' is a man in drag. • Lots of audience participation 'it's behind you...oh no it isn't'. • Good enter stage right (heaven), villains enter stage left (hell). • Use of slapstick, music and dance very OTT. • Comedy and humour . • Everything exaggerated. • Dialogue: The general term for any lines spoken between characters.

or the	Duologue: A scene or section of dialogue which only involves two actors. Flashback/flashforward: A scene which shows events from before or after
ne	the main action of the play. It can give extra information about the plot or help to develop characters.
the	• Flat: A wooden frame with a canvas stretched over it which is pained and used as scenery.
w how	• Floodlight: A type of stage lantern which casts a broad wash of light on to the stage.
tory. acter.	• Form: The type of written drama (e.g. play, opera, musical, pantomime). These often have set theatrical conventions but vary in genre and style.
tion	• Fourth wall: The imaginary barrier that separates the audience from the world of the play on the screen.
i feature	• Freeze frame: When the performers suddenly stop the action at a key moment.
nding. century	

The Literary Timeline

- Genre: The type of story a play is telling (e.g. comedy, tragedy)
- Gesture: A movement made by part of the body (e.g. arms, head) to convey a character's emotions.
- Improvisation: When drama is made up on the spot by performers without using any prepared material.
- Mannerism: A repeated physical or vocal habit that contributes to characterisation.
- Minimalist theatre: A genre of theatre which uses a basic set and very few props or simple costumes.
- Minor character: A character who isn't important to the plot but who adds depth to the world of the play.
- Musical theatre: A style of theatre that uses song and dance to develop the plot and entertain the audience.
- Narrator: A character who comments on the action and the plot to the audience. The narrator can be first person (involved in the action) or third person (set apart from the action)
- Physical theatre: A non naturalistic style of theatre which uses physical movements to tell stories.
- Plot: The series of events that take place in a play.
- Posture: The position a character holds themselves in when sitting or standing.
- **Promenade Theatre:** A style of theatre that requires the audience to follow the actors between different performance spaces over the course of the play. This usually takes place outdoors.
- **Proscenium Arch stage:** A box shaped stage which is set back from the audience so that only the front end is open to them, framed by the proscenium arch itself.
- Protagonist: The main character in a story.
- **Proxemics:** The use of physical space between the actors on stage to create meaning.

- **Slapstick:** A type of comedy that features exaggerated movements and physical humour.
- Stage directions: Any instructions written in a script by the playwright to explain how a play should be performed.
- Stimulus: A starting point for your devised piece that you should use to inspire your performance.
- Stock character: A character who is based on a stock personality.
- **Structure:** The shape of a play's narrative, including the order in which it's shown to the audience.
- **Style:** The way in which a director chooses to interpret a performance text on stage.
- Supporting character: A character who is important to the plot but isn't the audience's main focus
- Tableau: A moment in a performance when the action stops and the characters freeze in position.
- Thought tracking: When a character tells the audience their thoughts during a pause in the action.
- Tragedy: A genre of play which features a serious plot and an unhappy ending.
- Tragic hero: The protagonist of a tragedy, whose flaws lead to their downfall (or death)
- Wings: The space to the side of a stage which is used for storage and as a waiting area for the actors.





UNIT: Modern Text - Of Mice and Men - Topic Guide



A Spanish word meaning loneliness or solitude. One of the

A person who travels from place to place, often to seek work.

The order in which a society categorises its people into rankings

of socio-economic tiers based on factors like wealth, income,

A community, place, or situation regarded as capturing in

miniature the characteristics of something much larger.

Using force or threats to control a person or group.

Having great influence on someone or something.

To make a person or aroup less powerful or confident.

To make a person or group more powerful or confident.

The condition of being dissatisfied or defeated in expectation

To treat someone or something as if they are not important.

places where the novel is set.

race, class, education, and power.

To bring under domination and control.

The quality of being delicate or vulnerable.

To exclude from a society or aroup.

Pointlessness or hopelessness

Seeking to exploit others.

of hope.

The Crucible

Playwright: Arthur Miller (1915-2005)

Era: 1950s at the time of The Cold War

Nationality: American

Playwright biography:

Born in 1915 in New York City.

Bridae'

Reverend Po father

Elizabeth Pr

- Famously married to the Hollywood actress Marilyn Monroe.
- Winner of many accolades includina: Pulitzer Prize, seven Tony Awards, an Olivier and the John F Kennedy Lifetime Achievement Award.

Social, Historical & Literary context: The Crucible

- The play was first performed in 1953 at the height of the McCarthy trials.
- · Considered an attack on the anti-Communist McCarthyism.

The Salem Witch Trials (1692)

The play is a fictionalised account of the famous 17th Century witch trials.

<u>Context</u>

Other notable works: 'All My Sons', 'Death of a Salesman', 'A View from a

Dates: written in 1950-1952, performed 1952, published 1953

Set: Salem, Massachusetts, USA 1692 (17th Century)

Genre: Tragedy, tragic drama, American drama, realist drama.

Studied journalism before becoming a very successful writer.

Structure: each of the four acts ends with a climax (unusual structure)

- Hysteria began when a group of girls fell ill and it could not be explained why.
- In a Puritan society, anything that could not be explained was said to be the work of the devil.
- · Villagers then began to accuse each other of witchcraft, which then extended to people with grudges and jealousies. Many made accusations as revenge for petty things.
- Within a few weeks, dozens of people were in jail. By the end of the trials nineteen innocent men and women were hanged and hundreds were convicted.

McCarthvism (1947-1956)

- An American Senator called Joseph McCarthy rose to power by stirring up the nation into becoming terrified of Communists. Stemmed from the fear and tension between the U.S. and the Soviet Union during The Cold War.
- In 1947 he ordered all employees of the civil service to be screened for 'loyalty'to check they did not have Communist sympathies. McCarthy led the House Committee on Un-American Activities, which sought to find Communists in America.
- · Anyone named as a Communist was placed on "Blacklists" that prevented them from aetting work.
- · The McCarthy hearings (also known as McCarthy trials) ran from April to June 1954.
- Many non-Communists confessed to being Communists and falsely named others as Communists in order to escape punishment.
- · Miller was brought before Congress in 1956 and convicted of contempt of Congress for refusing to cooperate (his conviction was later overturned).
- · Eventually McCarthy was condemned and the hysteria died down, but the damage caused to the lives of hundreds of people was already done

Abigail Willio

John Proctor

Rev John Ha

- - Thomas Put

Tituba Mary Warre

Deputy Gov Danforth

Tragedy Tragic hero

Antagonist

Allegory

Hamartia Symbolism

Stage directions

Climax

<u>Context</u>

George Milton: an itinerant farm worker. Lennie's friend and protector Lennie Small: an itinerant farm worker.

> George's companion. The Boss: the owner of the ranch George and Lennie arrive to work at. Curley's father. Curley: the son of the ranch owner. Curley's Wife: the only female on the ranch. Married to Curley.

Key Characters

Candy: the old swamper/handyman on the ranch. Owns an old and weak sheepdog. Crooks: the stable manager, and the only African American on the ranch. Slim: a skilled mule driver. He is highly respected by the men on the ranch.

Carlson & Whit: ranch hands. Aunt Clara: not an actual character in the text but referred to in the novella. Cared

for Lennie until her death. The Great Depression took place following the Wall Street Crash in October 1929.

Many people lost everything and mass unemployment ensued. At its peak it was estimated that 13-15 million Americans were unemployed.

The poem is called 'To a Mouse' and is about a mouse who builds a nest in a wheat

Set: early 1930s in Salinas and Soledad, California during the Great Depression Action

Moved to New York in 1925 to become a freelance writer, returning to California when

Famers were especially affected as they could not pay back the debts they had built up after World War One.

A severe drought in the Dust Bowl (American West) made the situation worse.

In the worst cases, the banks repossessed people's farms, making the famers and their families homeless

Many farmers migrated to California to look for work, as it was thought to have spare land and a lot of work but this was not always the case.

The Great Depression lasted for ten years worldwide, and for the USA it did not fully end until 1941 when the country became involved in World War Two.

Life of an itinerant worker

Author: John Steinbeck (1902-1968)

Other notable works: 'East of Eden', 'Grapes of Wrath', 'The Pearl'

takes place over three days in four different locations.

Born and grew up in and around Salinas, California.

Won the Nobel Prize for Literature in 1962.

Social, Historical & Literary context:

Attended Stanford University, but never completed his degree.

field ready for the winter, but this is destroyed by a plouahman.

His first success was a collection of short stories called 'Tortilla Flat' in 1935

The title comes from a poem by Scottish poet Robbie Burns written in 1785.

Nationality: Americar

Form: Novella

Author biography

this plan failed.

Significance of title:

The Great Depression

Dates: published in 1937

Era: Great Depression (1930s)

Genre: Great American Novel

Ranch workers often moved from one place to another looking for work. Jobs on ranches would be temporary and seasonal. Wages for men like these were low and jobs were scarce. Insecure existence as jobs were scarce and wages were low. There was no welfare system so without work people struggled to survive.

The American Dream

The belief that anyone, regardless of where they were born, their class, their background can achieve success though sacrifice, risk-taking and hard work, not by chance. Root of the idea could be said to be found in the American Declaration of Independence of 1776 which states: "all men... are endowed by their creator with certain inglienable rights... [including] life, liberty and the pursuit of happiness". The idea of the American Dream was severely tested during the Great Depression.

novella	A novella is a short novel or a long short story, categorised by having a story with a compo- plot.
hird person narrative	A type of narrative in which the story is related by an omniscient narrator who knows the thoughts and feelings of all the characters in the story.
setting	The time and place in which the story takes place in a piece of literature. Setting can est the mood or atmosphere of a scene or story.
imile	A figure of speech comparing two unlike things that is often introduced by like or as.
symbolism	The use of symbols to express ideas or qualities.
notif	A dominant or recurring idea in an artistic work.
dialogue	A conversation between two or more people as a feature of a book, play, or film.
dialect	A particular form of a language which is used by people in a specific region or social gro
magery	A way of describing something symbolically, using words to represent objects, actions, an

Key Terminology

novella	A novella is a short novel or a long short story, categorised by having a story with a compact plot.
third person narrative	A type of narrative in which the story is related by an omniscient narrator who knows the thoughts and feelings of all the characters in the story.
setting	The time and place in which the story takes place in a piece of literature. Setting can establish the mood or atmosphere of a scene or story.
simile	A figure of speech comparing two unlike things that is often introduced by like or as.
symbolism	The use of symbols to express ideas or qualities.
motif	A dominant or recurring idea in an artistic work.
dialogue	A conversation between two or more people as a feature of a book, play, or film.
dialect	A particular form of a language which is used by people in a specific region or social group.
imagery	A way of describing something symbolically, using words to represent objects, actions, and ideas in such a way that it appeals to our physical senses.
Foreshadowing	A device in which the writer gives an advance hint of what is to come later in the story.

Key Vocabulary

Soledad

tinerant

social hierarchy

nicrocosm

coercive

influential

subjugate

To ostracise

disempower

empower

predatory

fragility

disillusioned

marginalise

futility

Key Characters

ams	the 17-year-old niece of Reverend Parris. She is an orphan and a former servant to the Proctors.
arris	the minister of Salem, Betty's and Abigail's uncle. Tituba is slave.
r	a farmer, and the husband of Elizabeth. He is well respected in the local community and values his reputation.
octor	loyal wife to John Proctor. She fires Abigail Williams as her servant before the play begins. Mary Warren is her servant during the events of the play.
ale	minister in the nearby Massachusetts town of Beverly, and an expert in identifying witchcraft.
nam	an influential citizen but not well liked in the community. Rev. Parris' slave from Barbados.
n	naïve and lonely servant of the Proctors.
vernor	a Deputy governor of Massachusetts who comes to Salem to preside over the witch trials.

Key Terminology

A play ending with the suffering and death of the main character. A literary character who makes a judament error that inevitably leads to his/her own destruction. A person who actively opposes

or is hostile to someone or something. Also known as an adversarv

A story, poem, or picture that can be interpreted to reveal a hidden meaning, typically a moral or political one. (The Salem witch trials in the play are an allegory for the McCarthy witch hunt which took place in America in the 20th Century.)

The fatal flaw of a traaic hero. The use of symbols to express ideas or qualities.

Instructions written into the script of a play, indicating stage actions, movements of performers, or production requirements e.g. set design or staging. The point of highest tension in a narrative

Key Vocabulary

lysteria	Exaggerated or uncontrollable emotion or excitement.
lypocrisy	The practice of engaging in the same behaviour or activity for which one criticise or condemns another.
deology	A set of beliefs and ideas on which people, parties, groups, or countries base their actions and decisions.
ntegrity	The quality of being honest and having strong moral principles.
atriarchy	A system of society or government in which men hold the power and women are largely excluded from it.
heocracy	A society ruled by people who are guided by God.
Vitch-hunt	A search for people labelled "witches" or evidence of witchcraft, often involving moral panic or mass hysteria.
Vitch-hunt modern neaning)	In modern times, a 'witch-hunt' describes the attempt to find and punish a particular group of people who are being blamed for something, often because of their opinions or beliefs, not because they have actually done anything wrong.
ersecution	Hostility and ill-treatment, especially because of race or political or religious beliefs; oppression.
ustice	The legal or philosophical theory which fairness is administered.
ubjugate	To bring under domination or control.
Puritan	A member of a group of English Protestants of the late 16th and 17th centuries. They thought the Reformation of the Church under Elizabeth I as incomplete and wanted to simplify and regulate forms of worship.
vritanical	Having or displaying a very strict moral attitude.
Capitalism	A political system where people are encouraged to work hard, earn their own money and businesses are privately owned.
Communism	A political system where all property is owned by the community and each person contributes and receives according to their ability and needs.



1. Context - Relationships	2. Key Termino	logy	3. Key Vocabulary	4
Writer: Chimamanda Ngozi Adiche (1977)	bias	An inclination or prejudice for oragainst one person or group	maiden name	The original surname of a married woman who uses her
Nationality: Nigerian	humour	The quality of being amusing or comic		husband's surname name after marriage
Other notable works: Purple Hibiscus' Hibiscus', 'Half of a Yellow Sun'	tone	The choice of writing style	antiquated	Old fashioned or outdated
Genre: Essav		the writer employs to convey specific feelings, emotions or	heteronormative	A world view that promotes heterosexuality as the only or
Dates: Published 2014		attitudes		preferred sexual orientation
Writer biography	empathy	The ability to understand and share the feelings of another	patriarchy	A system of society or government in which
• Chimamanda Ngozi Adichie grew up in Nigeria.	anecdote	A short amusing or interesting story about a real incident or person		men hold the power and women are largely excluded from it
• At the age of 19, Adichie left Nigeria to attend university in the United States	irony	A state of affairs or an event that seems deliberately contrary to what one expects	stigma	A mark of disgrace associated with a particular circumstance quality, or person
When the novelist was growing up in Nigeria, she was not used to being		and is often amusing as a result	poet laureate	A poet officially appointed
identified by the colour of her skin. That changed when she arrived in the United States.	sarcasm			by a government, who is often expected to compose poems for special events and occasions
Background to the text	perspective	A particular attitude towards or way of regarding something; a point of view	indigenous	Originating or occurring naturally in a particular place
• 'We Should all be Feminists' is an essay which was published in 2014.	imperatives	Phrases used to give orders, commands ,warning or	monoglot	A person who speaks only one language
• It is based on a TEDx talk Adiche gave in 2012 in London.	syntactic	instructions Repetition of sentences or clauses to emphasise a theme	feminist	A feminist advocates or supports the rights and equality of women
• TED events are conferences where speakers are invited to talk about a variety of topics.	parallels	or idea.	gender	The social and cultural differences associated with being male or female
• The video of her talk has been viewed over four million times.			socialisation	The process beginning during childhood by which individual acquire the values, habits,
 Parts of Adichie's TEDx talk were sampled in Beyoncé's song "Flawless" in December 2013. 			male gaze	and attitudes of a society The act of objectifying women by presenting them through the lens of a heterosexual man
		English 4 of 4	objectify	To treat a person like a tool or toy, as if they had no feelings, opinions, or rights of their own

Photo Description Structures			
dans la photo	in the photo		
ilya	there is		
on peut voir	you can see		
une femme	a woman		
une fille	a girl		
un garçon	a boy		
un homme	a man		
des jeunes	young people		
il/elle porte	he/she is wearing		
il/elles portent	they are wearing		
il/elle est	he/she is		
ils/elles sont	they are		
ils/elles ont	they have		
il/elle semble	he/she seems		
il fait beau	the weather is good		
il fait mauvais	the weather is bad		
il fait chaud	it's hot		
il fait froid	it's cold		
il pleut	it's raining		
sur la droite	on the right		
sur las gauche	on the left		
à l'arrière-plan	in the background		
au centre	in the middle		
au premier plan	in the foreground		

FRENCH

1 of 2

Opinion so J'adore... J'aime... J'aime bien... Je n'aime pas... Je déteste... Je pense que... Je crois que A mon avis... J'estime... Selon moi... When I was youn I did many things

I used to love... k When I am older I have decided If I could I...

Openers	5
et	
mais	
avec	
sans	
aussi	

bien que οù οu par contre aprés

sentence	starters

l love
l like
I really like
I don't like
I hate
I think that
I find that
I believe that
I guess that
According to me

Time phrases

<u>Past:</u> Hier - yesterday Le weekend demier - last weekend La semaine dernière - last week

<u>Present:</u> Aujourd'hui - today Normalement - Usually Le lundi - On a Monday

Future:

Demain - tomorrow Le weekend prochain - next weekend La semaine prochaine - next week

Complex structures in different tenses

inger	Quand j'étais jeune
gs	J'ai fait plein de choses
because it was	J'adorais parce que c'était
er	Quand je seais plus grand
that	J'ai décidé de
	Si je pourrais, je

s/connectives/extenders

and	cependant	however
but	parce que c'est	because it's
with	car c'est	as it's
without	donc	so
also	si	if
although	d'abord	firstly
where	enfin	lastly
or	puis	then
on the other hand	encore	again
after	ensuite	then

Je vais sur ma page perso
Je lis mes messages
Je poste des messages
Je modifie mes préférences
J'invite mes copains
Je fais des quiz
Je joue à des jeux
Je regarde des photos
Je commente des photos
Je passe des heures
On organise des sorties
On partage des photos
On s'envoie
des liens vers des vidéos
Tu viens avec moi/nous?
Tu veux m'accompagner?
ça t'intéresse?
Où/à quelle heure?
chez moi/toi
ll y a une séance à
À plus
À demain/samedi
Je suis sorti(e) avec
Je suis/On est allé (e) (s)
À une fête
J'ai/On a
bavardé
bu du coca
fait les magasins
Faire une promenade
joué au bowling
mangé un hamburger
regardé un DVD
bien rigolé
On a dansé ensemble
Je suis resté(e) à la maison

Module 1 I go on to my home page I read my messages I post messages I update my likes I invite my friends I do guizzes I play games I look at photos I comment on photos I spend hours ... We arrange to go out We share photos We send each other video links Are you coming with me/us? Do you want to come with me? Are you interested? Where/When shall we meet? at mv/vour place There's a showing at See you later See you tomorrow/on Saturday I went out with ... I / we went... to a party/into town... l/we... chatted drank cola went shopping went for a walk went bowling ate a burger watched a DVD had a real laugh We danced togethe I stayed at home

Module 2			
es parties du corps	Parts of the body		
a bouche	mouth		
e bras	arm		
e corps	body		
e dos	back		
épaule (f)	shoulder		
e genou	knee		
a jambe	leg		
a main	hand		
e nez	nose		
es oreilles (fpl)	ears		
e pied	foot		
a tête	head		
e visage	face		
es yeux (mpl)	eyes		
our arriver en forme, il faut	in order to get fit, you must		
ivoir un bon programme.	have a good schedule		
vien manger	eat well		
bien dormir	sleep well		
tre motivé	be motivated		
aire du sport tous les jours	do sport everyday		
ouer dans une équipe	play in a team		
u aimes le sport?	Do you like sport?		
e sport	Sport		
liminue le stress	decreases stress		
est bon pour le moral	is good for morale		
est important dans la vie	is important in life		
a me fatigue	it makes me tired		
faut apprendre à suivre les règles			
Nanager sain	Healthy eating		
nanager équilibré	to have a balanced diet		
our être en forme	In order to keep fit		
e ferai du sport	I will do sport		
e ferai trente minutes d'exercice	I will do 30 minutes exercise		
irai au collège à vélo e jouerai au foot	I will go to school by bike I will play football		
•	I will pidy loolball I will eat a balanced diet		
e mangerai équilibré	I will walk to school		
e marcherai jusqu'au collège e ne boirai jamais de	I WIII WOIK TO SCHOOL		
poissons gazeuse	I will never drink fizzy drinks		
e ne jouer plus à des jeux vidéo	I won't play with my video		
a na manaavai niya da frita-	games		
e ne mangerai plus de frites	I will not eat chips anymore I will not take the bus		
e ne prendrai pas le bus e prendrai les escaliers	I will not take the bus		
e prendrai des cours	I WILLICKE THE STOLES		
l'arts martiaux	I will take martial arts		

French 2 of 2

Madula 2

Mad	lule 3
MOU	
veux être	I want to be a
vocat (e)	lawyer
otaniste	botanist
nanteur/chanteuse	singer
nauffer de taxi/camion	taxi/lorry driver
omptable	accountant
plomate	diplomat
recteur de magasin	store manager
otballeur	footballer
uide touristique	tourist guide
firmier/infirmièr	nurse
génieur (e)	engineer
terprète	interpreter
urnaliste	journalist
ge	judge
édecin généraliste	doctor (GP)
lote	pilot
ofesseur	teacher
ciologue	sociologist
étérinaire	vet
ebdesigner	webdesigner
'est mon rêve!	It's my dream!
e serait bien	It would be good
as vraiment	Not really
e serait ennuyeux	It would be boring
ourquoi pas?	Why not?
rigoles!	You're joking!
scuter	to discuss
ncontrer	to meet
specter	to respect
goler	to have a laugh
endre	to sell
bir	to see
oyager	to travel
boulot	job (informal)
emploi (m)	job (more formal)
métier	job/profession
profession	profession
n stage	work placement
n poste	post
n candidat	candidate
éatif/créative	creative
arié (e)	varied
étais	l was
avais	I used to have
aimais	I used to like
faisais	I used to do
jouais	1
regardais	I used to watch
n'aimais pas	I didn't use to like
quitterai le collége	I will leave school

1. Climate change key words

- Greenhouse gas: Co², nitrous oxide, methane.
- Carbon sink: a forest, ocean, or other natural environment viewed in terms of its ability to absorb carbon dioxide from the atmosphere.
- Mitiaation: reducing our contribution to climate change.
- Adaptation: Finding ways to cope with the chanaina climate.
- Fossil fuels: coal, gas, oil used to produce energy.
- Renewable energy sources: sources that will not run out (e.g. solar/wind)

4. Knowing how to define factors in Geography:

- Human: The influence of people on things. E.g. Human causes of flooding, or human causes of deforestation, or human built settlements
- Physical: The natural things in the world. E.g. Mountains, rivers, oceans, beaches; or physical causes of flooding, physical causes of deforestation.
- Social: Any element that relates to humans.
- Economic: Any element that relates to money.
- Environmental: Any element that relates to nature.
- Political: Any element

2. Key climatic theories and processes:

- High Pressure: Air masses falling from the high atmosphere to earth - they contain little if any moisture - associated with clear skies and good weather.
- Low Pressure: Air masses rising from earth to the high atmosphere - they contain lots of moisture - associated with cloudy skies and precipitation.
- Atmospheric Circulation Model: shows the movement of air masses across the planet in a specific pattern.
- Milankovitch cycle/ Orbital changes: Changes in the pathway of Earth around the sun - natural cause of climate chanae.
- Volcanic activity: large eruptions of ash, gases and liquids can influence climate change - e.g expulsion of Co2 areenhouse aas responsible for alobal warming/expulsion of ash, reflects suns rays, reducing the earth's temperature.
- Solar output: cyclical changes in solar energy output.
- Carbon capture: Carbon capture is the process of capturing waste carbon dioxide usually from large point sources, such as a cement factory or power stations.
- Carbon storage (sequestration): transporting captured carbon to a storage site, and depositing it where it will not enter the atmosphere, normally an underground.
- Afforestation: large scale planting of trees.

3. The impacts of climate change:

- Primary effects: an initial impact of a natural event on people and property, caused directly by it e.g. buildings collapsing following an earthquake.
- Secondary effects: after effects that occur as indirect impacts of a natural event, sometimes on a longer timescale e.g. fires due to ruptured gas pipes, resulting from ground shaking.
- Primary (short term) response: a response immediately after the natural event e.g. search and rescue teams after an earthquake.
- Secondary (long term) response: a response in the weeks/months/ years after the natural event e.g. rebuilding of schools/ hospitals after an earthquake.

The Greenhouse effect:

a natural process, enhanced by human activity where there is a gradual increase in the amount of greenhouse gases that encompass the earth's atmosphere; leading to less heat escaping the atmosphere.



			Photo De
Newly Emerging Economies	Supporting countries to develop	Consequences of the development gap	In dem foto aibt es
NEE: Newly Emerging Economy (those moving from LIC to HIC).	Aid: Help.	Inequality: Gap between rich and poor.	Man kannsel
HIC: Higher Income Country (e.g. Australia/Canada).	Emergency aid: Help given for short term, often after natural disasters or outbreaks of diseases.	Slums: Informal housing, often made from scrap material on undesirable land (also known as shanty	eine Frau ein kind
LIC: Lower Income Country (e.g. Somalia/Sierra Leone).	Development aid (long-term aid): Help given for a longer time, often focusing on areas of need e.g. health.education.	towns). Migration: The movement of people from one area to another (often linked with rural to urban migration	Kinder ein Mann
Development: The progress made over time by a country.	International aid: Aid sent from abroad. E.g. UK	in NEEs).	junge Leute er/sie trägt
Poverty: People living without basic needs or income.	sending international aid to Nigeria.	Urbanisation: The growth in the proportion of people who live in urban areas (linked to migration).	sie tragen
Corruption: Dishonest or wrong doings by those in power.	Bilateral aid: Help given from one country to another. E.g. UK sending aid to India.	Disparities in health: Gaps in health as poorer people are unable to access vaccines or medicines.	er/sie ist sie sind
Quality of life: The social, economic and environmental factors of life (E.g. health, employment, income, building quality etc).	Multilateral aid: Help given when organisations work together. E.g. The Disaster Emergency Committee who collected donations from countries to support after Nepal's earthquake.	India's Industrial structure	sie haben Ich würde sage das wetter ist
Sanitation: The provision of, and access to, flushing toilets, clean water etc.	Self help schemes: Schemes that provide training and materials to encourage people to improve their own standards of living.	Primary: Work relating to raw materials.	Draußen drinnen
	Appropriate technology: Providing communities	Secondary: Manufacturing and industrial jobs.	Sie lachen Sie haben spaß
<u>India as an NEE</u>	with resources that are appropriate for their level of development, E.g. A water pump to an LIC.	Tertiary: Jobs that provide a service.	Sie sind traurig
Bollywood: The Indian film industry (the biggest film industry in the world)	Remittances: The money sent home – often from migrants.	Quaternary: Research and development. Industrial structure: The break down of the economy	Sie sind im Park Sie sitzen
Dharavi: The largest slum in Asia, located in Mumbai.	Debt relief: The partial or total wiping off of any debts	into each sector (primary, secondary, tertiary, quaternary).	Ich bin von der Foto biendruck
Caste system: The traditional class structure, determined by birth.	paid (has been given to many Highly Indebted Poor Countries – HIPCS – globally e.g. Ghana, Ethiopia and Haiti	Exports: The goods that are traded out of a country.	Vielleichts sind
Social segregation: The gap between the rich and	Trade: Transfers of goods and services from one	Imports: The goods that are traded into a country.	in
the poor (seen in many urban areas).	country to another.	India's economy 2018	
Economic development: The progress that India are making over time.	Trading agreements: A deal made between countries.	Primary	
Industrialisation: The focus of the economy on industry and manufacturing.	Trading blocs: A group of countries or organisations who work together to create deals for trade.	34% 42%	
Globalisation: The increased interconnectivity of the world, linked to TNCs.	Investment: Money that is put into a country to support with business etc.	24%	German 1 of 2
TNCS: Trans-national corporations. Large companies who work on a global scale. E.g. Nike or BT.	Geography		1012

Photo Description Structures

dem foto	in the photo
ot es	there is
an kannsehen	you can see
ne Frau	a woman
n kind	a child
nder	children
n Mann	a man
nge Leute	young people
/sie trägt	he/she is wearing
tragen	they are wearing
/sie ist	he/she is
sind	they are
haben	they have
n würde sagen	I would say the
is wetter ist	weather is
außen	outside
nnen	inside
lachen	They are smiling
e haben spaß	They are having fun.
e sind traurig	They are sad.
e sind im Park	They arte in a park
e sitzen	they sit
n bin von dem	I am impressed
to biendruckt.	about the photo
elleichts sind sie	maybe they are
	in

Es ist unglaublich
Es ist angenehm
Da has mir gefalle
Es war herrlich
Es war entspanne
glücklicherweise
Persönlich meine i dass

When I was you
I did many thing
I used to love
When I am olde
I have decided
If I could I would

zuerst

200101
dann
zum
Schluß
,umzu
zuerst
zuerst dann
dann
dann zum

20

Opinion sentence starters

۱	It is unbelievable
	It is pleasant/nice
len	l liked it.
	It was great
ed	It was relaxing
	luckily
e ich,	l personally think that

Time phrases

<u>Past:</u>

Vor einer Woche – a week ago Letzten monat – last month Letzte sommergerien – last summer holiday Letzten sommer – last summer <u>Present:</u> Jeden Monat – every month Fast nie – hardly ever Samstags – Saturdays Future: In zukunft – in future Im sommer – In summer In einem Jahr – in a year's time

Tenses And Structures

unger	Als ich jünger war
ngs	Ich habe vieles gemacht
because it was	Früher liebte ich weil es war
er	Wenn ich älter bin
d that	Ich habe mich entschieden, dass
ld	Wenn ich Könnte, würde ich

Openers / Connectives / Extenders

first of all then finally in order to	obwohl nochmal einerseits anderseits	although again on the one side on the other side	nachdem trotzdem jedoch	after nevertheless however
first of all then finally	infolgedessen deshalb zum beispiel Auf der einen Seite	although therefore for example on the one hand		
in order to	enien sene	one nunu		

<u>Module 1</u>

x ist mein vorbild, weilx	is my role model/idol
er/sie ist	because he/she is
begabt	talented
berühmt	famous
bescheiden	modest
erfolgreich	successful
großzügig	generous
reich	rich
selbstbewusst	self-confident
selbstlos	selfless
launisch	moody
nervig	annoying
er/sie läuft schnell	he/she runs fast.
er/sie fährt schnell rad	he/she cycles fast
er/sie singt viele lieder	he/she sings many song
er/sie liest die nachrichten	he/she reads the news
er/sie ist oft im fernsehen	he/she is often on tv
er/sie spielt gut gitarre	he/she plays guitar wel
ich habe mit kindern gearbeitet	i have worked with children
interessante erlebnisse gehabt	had interesting gehabt experiences
ich werde hard arbeiten	i will work hard
ich bin nach afrika gefahren	i have to travel to africe
ich bin berühmt geworden	i have become famous
ich werde hilfsorganisation wohltätigkeirsorganisation sammeln.	i will raise money for aid organisation

	Module 2		
	ich höre gern	i like listening to	
	sie is melodisch	it is tuneful	
	energiegeladen	full of energy	
	unterhaltsam	entertaining	
	stark	strong	
	sentimental	sentimental	
	altmodisch	outdated	
	kitschig	corny	
	sie macht gut laune	it puts you in a good mood	
	sie macht schlechte laune	it puts you in a bad mood	
	sie klingt positiv/negativ	it sounds positive/negative	
	mein lieblingssänger ist	my favourite singer is	
	ihre lieder sind	their songs are	
	die melodien sind	the tunes are	
	ich spiele kein instrument	i don't play an instrument	
	ich habe momentan keinen lieblingssänger	i don't have a favourite singer at the moment	
	ist mein vorbild, weil	is my idol because	
	ich finde sie	i find them	
	dynamisch	dynamic	
	selbstbewusst	confident	
	begabt	talented	
	locker	laid-back	
	sie sehen aus	they look	
l	ihre musik is lauter	their music is louder	
	ich habe neue freunde kennengelernt	i have met new friends	

Module 3	
ich bin abenteverlustig	i am adver

nturous kühn daring mutig brave ängstlich fearful feige cowardly verrückt mad/crazy vorsichtig cautious ich würde bestimmt mit i would definitely swim with haifischen schwimmen sharks ich würde mich gut i would prepare myself well vorbereiten. ich möchte einen job haben... i'd like to have a job, ... um geld zu verdienen (in order) to earn money um erfahrung zu bekommen (in order) to gain experience um spaß zu haben (in order) to have fun der berg (e) mountain ich möchte... arbeiten i would like to work... als kellner (in) as a waiter (waitress) in einem café oder restaurant in a café or restaurant ich mag den job, weil... i like the job, because... ich würde gern fußballprofi i would like to become a footballer werden ich würde gern heiraten i'd like to get married ein schnelles auto to buy a fast car um die welt reisen to travel round the world viel geld verdienen to earn lots of money in den ferien arbeite ich als in the holiday i work as ich würde gern... werden i would like to become a...

German 2 of 2

History 1 of 2

	Causes of WW1					WW1 Battles and trenches			
The Triple Alliance	Formed in 1882. Germany, Austria-Hungary and Italy.	1st Moroccan Crisis	1905 – France controlled Morocco, Germany tried to stir up an anti-French independence movement in Morocco. Britain stood with France and Germany had to accept it.		The Trench System	A series of ditches dug by both sides. Included the font-line trenches, support trenches and reserve trenches.	Conscription	Forcing people to join the army rather than relying on people volunteering. Act passed by parliament in 1916 for single men aged 18-41 to join up.	
The Triple Entente	Formed in 1907 as all countries had agreements with each other. England, Russia, France.	2nd Moroccan Crisis	1911 – Moroccans started a rebellion, French asked to step in. Germany sent a warship called The Panther. Ended with the Treaty of Berlin – Germany accepted the French in Morocco in return for some land in the Congo.		Communication Trench	Trenches which connected the others so that troops could be send from the reserve trenches to the support and front- line trenches.	General Haig	The British Commander on the Western Front for most of WW1. A controversial figure, followed the policy of 'attrition' to wear down the enemy's forces.	
Imperialism	European nations were creating empires and coming into conflict.	Bosnian Crisis	1908 – Areas in the Balkans demanding independence. Austro-Hungarian Empire took control of an area of the Balkans called Bosnia- Herzegovina.This angered Serbia andtheir supporters, Russia.		Dug-out	Provided protection and shelter in the trenches. Deep dug-outs (up to 15m below ground) could be used during heavy shelling.	The Battle of Somme	An Allied infantry attack on German trenches at the Somme. It began on 1 July 1916. 60,000 Allied soldiers dead or wounded in first day.	
Militarism	Countries believed it was important to build large armies and navies which led to an arms race.	Balkan Wars	1912-1913 - Small-scale conflicts resulting from the disintegration of the Ottoman (Turkish) Empire. Serbia became more powerful which worried Austria-Hungary.		No-Man's Land	The area between the front-line trenches and opposing sides. Constant shelling turned it into a mass of mud, making it difficult for the troops to move across.	The 2 nd Battle of Ypres	April-May 1915 British regained control over Hill-60 The first use of chlorine gas by the Germans.	
Nationalism	Countries were looking out for their own interests.	Archduke Franz Ferdinand	Heir to the Austro-Hungarian throne. Assassinated by Gavrilo Princip (a Serb) on 28th June 1914.		Trench foot and Trench Fever	Two medical conditions caused by the conditions in the trenches. Trench foot = death of tissue in the feet. Trench fever = illness spread by lice.	The Battle of Arras	April 1917 Allied soldiers had dug tunnels under the ground before the battle, gave shelter for soldier before and during the battle.	
Kaiser Wilhelm II	Leader of Germany from 1888 to 1918. He wanted a large empire, army and navy.	The Schlieffen Plan	How the Germans planned to avoid a war on two-fronts. Attack France through Belgium and defeat them within 6 weeks whilst Russia was mobilising.		Shell Shock	Psychological trauma caused by the suffering of the men in the trenches. Symptoms included, loss of speech, shaking etc.	The Battle of Cambrai	October 1917 This battle involved the first large-scale use of tanks but the British lost the ground they had taken.	

Reasons for Germany's surrender

• Over 1 million German troops in Russia - but needed on the Western Front.

• British naval blockade = severe food shortages. In 1918 293,000 Germans died from starvation and hypothermia.

• The blockade, restricted Germany's ability to trade -industries virtually collapsed.

• German workers' wages were falling despite the extra work they were doing to support the war.

• Germany's currency, the Mark, was losing its value and inflation was rising rapidly.

 Kiel mutiny Nov 1918 - frustrated German sailors mutinied instead of following orders to attack the British Royal Navy -sparked rebellions all over Germany = collapse of the German government = armistice signed by new leader.

The 'Big Three'

Georges Clemenceau (France) - Thought Germany should be crushed, made as weak as possible. Thought Germany should pay the entire cost of the war- France had suffered during WWI- over 2/3 of army had been killed. Wanted revenue for when France had been defeated in 1871.

David Lloyd George (Britain) - Germany should not be treated too badly or would want revenge, wanted them to be strong enough to trade with Britain in future, Germany should lose their colonies and navy-British public wanted Germany to be crushed as much as possible.

Woodrow Wilson (USA) - Germany should be punished but not too harsly- because then she would want revenge in future. Came up with 14 points which included setting up the Leggue of Nations.

The Treaty of Versailles

• L- Land- Lost 13% of it's land- Alsace-Lorraine was returned to France-Polish Corridor given to Poland, The Saarland was taken over by LoN

• A- Army + Navy- 100'000 soldiers, 6 battleships, Rhineland demilitarized, No Air-Force and No conscription

• M- Money- £6.6 Billion of reparations paid in annual instalments

• B- Blame 100% - Clause 231 of Treaty

The League of Nations

• Disarmina- aet rid of their weapons.

Acting Together- collective security- protected each other and helped each other.

Upholding the Treaty of Versailles- making sure Germany followed the rules.

Free Trade

 League would enforce sanctions- e.g. if a country broke the promise Solve Disputes- encourage countries to co-operate.

Kev Facts:

Aims:

- Created by ToV.
- Did not include USA- even though Woodrow Wilson created it.
- Based Geneva (Switzerland).
- Set up January 1920.
- Members- 42 at beginning but increased to 59 in 1930's.
- Council- France, GB, Japan and Italy (permanent members).

Weaknesses:

Not all nations joined- e.g. USA, Germany and Russia.

• No Army.

Too slow to act.

Critical Success Factor

Date

A **CSF** is a critical factor or activity required for ensuring the success of a following: company or an organisation.

Examples of a Critical Success Factor:

- One critical success factor is to ensure that my background colour is the same on every slide. To meet this success factor, I will use slide master.
- Another critical success factor is to ensure that there is no spelling mistakes. To meet this success factor, I will use the spell checker.
- Another critical success factor is to ensure that I have a suitable font in my work. To meet this success factor, I will use the same font throughout my work.

• Web address • If the image was copyrighted • What to do if it is copyrighted Copyright Act Law

The Copyright Act law states that an original piece of work is covered by copyright. It could be a piece of music, a play, a novel, photos or a piece of software. Copyright can be enforced by law.

It is against the law to copy and distribute copyrighted material without the copyright owner's permission.

HTML stands for Hyper Text Markup Language

How does HTML work?

- HTML uses taas.
- The taas tell the computer where all the different information should go and what it should look like

Websites are broken down into 3 parts:

1= The Head 2= The Body 3=The Footer



HTML

Taas used in HTML

Bold	example
Center	<center>example</center>
Heading	<h1> example</h1>
Image	
Italic	<i>example </i>
Numbered List	<0 >
	example 1
	example 2
Paragraph	
Underline	<u>example</u>
Hyperlink	mywebsite
Font Style	example

The Project Life Cycle

The Project Life Cycle refers to the four-step process that is followed by nearly all project managers when moving through stages of project completion.

Phases of a Project Life Cycle 1. Initiation 2. Plannina

3. Execution 4. Evaluation

You must perform a phase review for Initiation. Planning and Execution

Why do we use the Project Life Cycle?

It is important to ensure the project life cycle used on your project is appropriate to the work being carried out and split into distinct and manageable phases. This is a tried and tested method for delivering projects on time, within budget and to the expected quality targets.

Key Words

Contingency: Time in a project plan that has no tasks assigned. This is used if tasks are not completed on time to make sure the project still meets the final deadline.

Milestone: A given point in time when a task is expected to be started or completed.

Interaction: How the phases link together.

Iteration: The repeating of a phase. Each repetition of a phase, when amendments will be made, is called an iteration. The results of an iteration are used as the starting point of the next.

Dependency: A dependent task is one that cannot be started until a previous, specified task has been completed.

Concurrent: Tasks which can be completed at the same time.

Critical path: The sequence of tasks that shows the shortest time taken for completion of a project.

Inputs & Outputs of the Project Life Cycle



- Resources can be allocated in advance
- The project manager can monitor the progress of the project
- carried out to make sure that the project is meeting the success criteria, objectives and client-defined constraints.

Literacy 1 of 2

To up-level your writing, you must:

- Use a wide range of punctuation.
- Organise sentences into clearly-structured paragraphs, linking ideas in a sophisticated way.
- Include longer sentences with appropriate connectives.
- Include description choosing wow words to describe things (think of the 5 senses).
- Use a variety of simple, compound and complex sentences-try some adverbial openers.

Adverbial O	peners + comma	I		Wond	erful "Wow'	' Words	
Slowly Briefly Happily Clumsily Rudely Surprisingly Patiently Anxiously Enthusiastically Moumfully Gradually Hurriedly Wearily Erratically Brutally Smoothly Sweetly Hatefully Carefully	Immediately Eagerly Tenderly Strictly Cautiously Regretfully Thankfully Horrendously Unbelievably Leisurely Insanely Majestically Recently Graciously Savagely Lovingly Longingly Meekly	agerly enderly trictly Cautiously egretfully hankfully lorrendously uspiciously Inbelievably eisurely ssanely Aajestically ecently Graciously avagely ovingly ongingly		ful d c c c c c s c e e il itted nt c fing c ent c ent c al i c c c c c c c c c c c c c c c c c c	Important Useful Useless Incredible Bustling Deafening Rowdy Blaring Thunderous Putrid Faraway Remote Loathsome Grainy Polished Mediocre Sweltering Friosty Steaming Frightened Petrified Miserable Grumpy	Noxious Fragram Shadow Icy Fiery Punctud Infantile Mature Colourh Odourle Painless Magnifi Giganti Enorma Miniscu Miniscu Worthle Impatie Surprisir Gloriou	
Addition	Cause/Effect	Em	phasis	Co	nnectives	Contras	
and also too furthermore moreover in addition (to) again the following	consequently thus so hence(forth) therefore accordingly since until as a result	in p note spe esp sign		nev alte to tu yet des	vever ertheless rnatively urn to bite this he contrary pr	as for the opp still instead on the whereo otherwi apart fr althoug	

What is SMART

Table Anne

Annual Inches

To make sure your goals are clear and reachable, each one should be:

Specific Measurable **A**chievable Relevant

Time bound

(time-based, time limited, time/cost limited, timely, time-sensitive).

(agreed, attainable)

(reasonable, realistic

Constraints to consider in the Project Life Cycle Time, Resources, Cost, Hardware and Software, Regulations, Security/Risk Management.



Provides a structured approach • Can see how the project is progressing Clearly defined tasks

- Roles and responsibilities are clearly defined

- The end of phase reviews can be

- nt owy
- ual rful rless rless ified ntic IOUS ule less ient
- ina

ist/Balance

Fumina

Raging

Watching

Grabbing

Graspina

Glancina (around)

- oposite
- d (of) e other hand eas wise from Jah

Complex Sentence Openers:

- Although (it was incredibly cold...).
- Even though Sam was in the company of his family,
- Despite achieving 100% in the exam.
- When there was torrential rain.
- Since I began my journey,
- If you build this house using only wood,
- As soon as he finished the chapter.

Rhetorical Questions:

Do you think that ...? Don't you think that ...? Isn't it time to...? Have you ever thought about ...? Haven't you always longed for ...? Why is it (that)...? When should we...?

Time Connectives for Sequencing

		· ·
Firstly/First of all Then Next After Soon Suddenly	Meanwhile When Since Secondly Briefly After a while	Before (Two) years ago (Four) days ago Eventually Finally Last week/year
	Said Words:	
shouted exclaimed whispered bellowed highlighted addressed answered	pleaded assured advised boasted bragged caufioned confessed	declared grumbled insisted joked muttered remarked
	-ing Words (as ope	eners):
Seething	Looking	Skimming

Planting Running Walkina Dancing Singing Scannina

Skimming Touching Painting Fleetina Rushing Dreaming Creatina

Literacy 2 of 2

I	all	could	made	SO	will	with
on	me	first	much	them	Wednesday	Thursday
go	about	half	not	too	February	March
away	back	him	our	want	August	Septembe
day	boy	jump	put	where	yellow	blue
dad	can't	love	sister	and	would	your
of	down	more	their	said	Friday	Saturday
can	had	night	time	they	April	May
as	here	or	very	come	October	November
been	if	push	when	no		
came	live(d)	should	like	was	green	orange
door	may	that	is	yes	Monday	Tuesday
got	next	three	going	another	Sunday	January
her	once	US	to	bed	June	July
how	pull	what	mum	call(ed)	December	red
little	seen	we	went	don't	pink	purple
many	than	he	it(s)	good		
new	these	this	an	help		
old	two	am	because	house		
people	were	my	by	laugh		
school	look	in	do	man		
take	for	see	girl	name		
there	are	again	have	off		
tree	a	be	home	over		
way	big	but	last	saw		
up	get	did	make	some		
at	she	from	must	then		
you	after	has	now	took		
play	ball	his	out	water		

1 of 3		Ten Million	Million	Hundred Thousand	Ten Thousan	d Thousand	Hundred	Ten	Units		Tenths	Hundrenths	Thousandth	ns Ten Thousandths	Hundred Thousandths
Place Value: Identify what the nun a position represents		10 000 00	1 000 000	100 000	10 000	1000	100	10	1	•	1/10	1/100	1/1000	1/10 000	1/100 000
quare numbers and roots $\sqrt{1} = \pm 1$ $\sqrt{4} = \pm 2$	ر ∛⊺ ∛{	be Numb and Root $\frac{1}{1} = 1$ $\frac{3}{2} = 2$	s i	Adding or Subtracting Fractions	j .	Find the LCM find a comm Use equivale fraction to th Then just add keep the der	on denom nt fraction e commo d or subtra	inator s to ch n deno ct the i	iange e ominato	each or.	nd	Order of Op • Brackets • Indices (Pc • Division • Multiplicat • Addition • Subtractio	owers) ion	Factor a num divides exactly number Prime Number with exactly 2 f LCM Lowest (Multiple HCF Highest (Factor	into another ar a number actors Common
$\sqrt{9} = \pm 3$ $\sqrt{16} = \pm 4$ $\sqrt{25} = \pm 5$ $\sqrt{36} = \pm 6$ $\sqrt{49} = \pm 7$	$ 3\sqrt{27} = 3 3\sqrt{64} = 4 3\sqrt{125} = 5 3\sqrt{216} = 6 3\sqrt{343} = 7 3\sqrt{512} = 8 3\sqrt{729} = 9 3\sqrt{1000} = 10 3\sqrt{-1} = -1 3\sqrt{-8} = -2 3\sqrt{-27} = -3 3\sqrt{-64} = -4 3\sqrt{-125} = -5 3\sqrt{-216} = -6 3\sqrt{-343} = -7 3\sqrt{-54} = -2 3\sqrt{-54} = -6 3\sqrt{-54} = -6 3\sqrt{-54} = -7 3\sqrt{-54} = -7 3\sqrt{-54} = -6 3\sqrt{-54} = -7 3\sqrt{-54} = $			Multiplying Fractions		Multiply the r the denomin Change to ir mixed numb	ators toge nproper fr	ther.				-		CF of 24 o x 2 x 3 = 1	
$\sqrt{64} = \pm 8$ $\sqrt{81} = \pm 9$ $\sqrt{100} = \pm 10$ $\sqrt{121} = \pm 11$				Dividing fractions		Multiply by th fraction. Change to ir mixed numb	nproper fr				en		2	3 2 3 2	
$\sqrt{144} = \pm 12$ $\sqrt{169} = \pm 13$ $\sqrt{196} = \pm 14$ $\sqrt{225} = \pm 15$				Reciprocal		This is a pair of equal to 1. The reciproco If the numbe fraction so 1.2 = 12/10. T	al of 4/5 is r is a decir	5/4 nal, firs	it chan	·		LC	M: 2 x 2	2x2x3x3	3 = 72
	∛-	-512 = -8 -729 = -9 -1000 = -1	- I.	← -10	-9 -8	-7 -6	-5 -4	-3	-2	-1	0 1	2 3	4 5	6 7 8	B 9 10

usand	Hundred	Ten	Units	
000	100	10	1	

Tenths	Hundrenths	Thousandths	Ten Thousandths	Hundred Thousandths
1/10	1/100	1/1000	1/10 000	1/100 000

Rounding to significant figures

Mathematics	
3 of 3	

Proportion compares the size of one part to the size of the whole.	In a class with 13 boys and 9 girls, the proportion of boys is $\frac{13}{22}$ and the proportion of girls is $\frac{9}{22}$	Compound Measures $Speed = \frac{Distance}{Time}$ $Density = \frac{Mass}{Valume}$	Error Intervals - The range of values (between the upper and lower bounds) in which the precise value could be. An estimate of my height is 176cm to the nearest cm. That means it could be any height from 175.5 cm to 176.5cm and these are called the lower and upper bounds.	Truncation When you truncate a number it is effectively always rounded down. Truncating is just chopping part of the number off. Example:	Reverse Percentages Find the correct percentage given in the question, then work backwards to find 100% Look out for words like 'before' or 'original'
Divide all parts of the ratio by a common factor.	5 : 10 = 1 : 2 divide both by 5 14 : 21 = 2 : 3 divide both by 7	$\frac{Volume}{Pressure} = \frac{Force}{Area}$	The error interval is 175.5 \leq height < 176.5 i.e. Lower bound \leq x < Upper bound	Truncate 35.7289 to 1dp To truncate, we just count along 1 decimal place and then cut off the rest of the number. So, 35.7289 truncated to 1dp is 35.7.	Percentage Multiplier The number you multiply a quantity by to
Divide both parts of the ratio by one of the numbers to make one part equal 1.	5 : 7 = 1 : 7/5 in the form 1 : n 5 : 7 = 5/7 : 1 in the form n : 1	Any value to the power of zero is equal to one. 1°=1 2°=1	Direct Proportionality If two quantities, A and B , are directly propo increases at the same rate, e.g. as one doub		increase or decrease it by a percentage. To increase by 3%, multiply by 1.03 So, to increase £48 by 3%, you would perform 48 x 1.03 (= £49.44) To decrease by 15%, multiply by 0.85
 Add the total parts of the ratio. Divide the amount to be shared by this value to find the value of one part. Multiply this value by each part of the ratio. Use only if you know the total. 	Share £60 in the ratio 3 : 2 : 1. 3 + 2 + 1 = 6 $60 \div 6 = 10$ Multiply 10 by each part of the ratio. £30 : £20 : £10	$3^{\circ}=1$ $12^{\circ}=1$ $x^{\circ}=1$ To estimate a square or cube root, use the square or cube numbers near the given value. $\sqrt{60}$ = between 7 and 8 as $\sqrt{49}$ = 7 and	Inverse Proportionality If two quantities, C and D , are inversely prop decreases at the same rate, e.g. as one get times smaller. Directly Proportional	portional , then as one increases the other	So, to decrease £300 by 15%, you would perform 300 x 0.85 (= £255)
Comparing two things using multiplicative reasoning and applying this to a new situation.	30 minutes 60 pages ? minutes 150 pages x 2	$\sqrt{64}$ = 8 and it will be nearer 8 as 60 is nearer to 64. A good estimate would be 7.6 – 7.8	$y \propto x$ y = kx for a constant k	$y \propto \frac{1}{x}$ $y = \frac{k}{x}$ for a constant k $y = \frac{k}{x}$	A recurring decimal is a decimal number which has a pattern than repeats over and over after the decimal place. Convert 0.54 to a fraction. x = 0.54545454545454
Finding the value of a single unit and then finding the necessary value by multiplying the single unit value.	3 cakes require 450g of sugar to make. Find how much sugar is needed to make 5 cakes. 3 cakes = 450g So 1 cake = 150g (÷ by 3) So 5 cakes = 750 g (x by 5)	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	•		$100x = 54.545454545454 \dots$ 99x = 54 $x = \frac{54}{99} = \frac{6}{11}$
		a^{n} $a^{\frac{1}{n}}$ $\sqrt[n]{a}$			

All non zero digits are significant: 1, 2, 2 zero digits are significant: 102, 2005, 50 Round 53,879 to 1 significant figure, th 5 3 879 to 1 significant figure is 50,000 53 8 79 to 2 significant figures is 54,000 Round 0.005089 to 1 significant figure, 0.005 0 89 to 1 significant figure is 0.000	0009. en 2 significant figures. D then 2 significant figures.	Simplifying Ratios	Divide all parts of the ratio by a common factor.	girls, the proportion of boys is $\frac{13}{22}$ and the proportion of girls is $\frac{9}{22}$ 5:10 = 1:2 divide both by 5 14:21 = 2:3 divide both by 7
0.0050 8 9 to 2 significant figures is 0.0		Ratios in the form 1 : n or n : 1	Divide both parts of the ratio by one of the numbers to make one part equal 1.	5 : 7 = 1 : 7/5 in the form 1 : n 5 : 7 = 5/7 : 1 in the form n : 1
Rounding to decimal places Round 3.168 to two decimal places. If the number at the next decimal place is five or more add 1 to the previous decimal place. So, 3.168 rounds up to 3.17 (to two decimal places).	1 st 10 Prime Numbers 2, 3, 5, 7, 11, 13, 17, 19, 23, 29 The Fibonacci Sequence (1 st 10) 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89	Sharing in a Ratio	 Add the total parts of the ratio. Divide the amount to be shared by this value to find the value of one part. Multiply this value by each part of the ratio. Use only if you know the total. 	Share £60 in the ratio 3 : 2 : 1. 3 + 2 + 1 = 6 60 ÷ 6 = 10 Multiply 10 by each part of the ratio. £30 : £20 : £10
Percent Decimal Fraction 1% 0.01 1/100 5% 0.05 1/20 10% 0.1 1/10 12.5% 0.125 1/8	To add VAT find 20% and add it to the total or Multiply cost by 1.2	Proportional Reasoning	Comparing two things using multiplicative reasoning and applying this to a new situation.	30 minutes ? minutes x 2 60 pages 150 pages x 2
12.5% 0.125 1/5 20% 0.2 1/5 25% 0.25 1/4 33.3 0.333 1/3 50% 0.5 1/2	Percentage Change <u>Difference</u> x 100% Original	Unitary Method	Finding the value of a single unit and then finding the necessary value by multiplying the single unit value.	3 cakes require 450g of sugar to make. Find how much sugar is needed to make 5 cakes. 3 cakes = 450g So 1 cake = 150g (÷ by 3) So 5 cakes = 750 g (x by 5)

Proportion

Film Music and Musical Theatre

Music 1 of 2

Fusions

Leitmotif: A frequently recurring short melodic or harmonic idea which is associated with a character, event, concept, idea, object or situation which can be used directly or indirectly to remind us of one not actually present on screen.

Mickey-mousing: A technique frequently used in cartoons and animated films where the music attempts to represent every little physical movement on screen.

Sequencing: Where a melodic idea (often a LEITMOTIF) is repeated growing louder and louder and consistently rising either a tone or a semitone higher during each repetition. Sequencing is often used by film music composers to build tension and create a mood of suspense.

Cue: A section of music that is timed to fit a specific portion of visuals

Diegetic music: Music that is included in the film, and that the characters would be able to hear. This might include source music from the set such as a car radio or a band in a nightclub, or sound effects such as guns in the distance or screeching car breaks.

Non-diegetic music: Music which has been composed to accompany events on screen but that the characters can't hear, but the audience can (e.a. music to accompany a car chase or to highlight the emotions of a conversation between two characters). Also referred to as UNDERSCORE or INCIDENTAL MUSIC.

Hit point: An exact point during a cue when music or sound effects match a moment on screen.

Motif: A short musical idea of only a few notes.

Storyboard: A planning tool used by film soundtrack composers to plan the music to different scenes within a film.

Theme: A main tune, melody or theme within a film soundtrack, representing a character, idea or object in the story and often returning in the background or in altered form.

Underscore: Music which is played aujetly under dialogue, in a film or musical.

Visual narrative: The process of describing a story or storyline using visual images.

Soundtrack: The music and sound recorded on a motion-picture film. The word SOUNDTRACK can often mean a commercial recording of a collection of music and songs from a film sold individually as an audio CD or via digital download.

Action songs:	These songs move the
plot forward.	

Ballads: Usually slow, romantic and reflective sonas.

Character sonas: These sonas enable a character to express their feelings.

Chorus: The group of performers that support the main roles and the action with singing and dancing and usually work together as an ensemble. Some may have small, cameo roles,

Company: When the whole cast are together. Company numbers (songs) involve everybody and tend to reflect the themes of the piece.

Libretto: The overall text including the spoken and sung parts.

Lyrics: The words to the sonas.

Overture: A piece of orchestral music played at the beginning (or before) the first act of a musical.

Rhythm songs: Songs which are driven by energetic rhythm patterns.

Solo: A piece of vocal music for one performer, usually sana by a leading role/main character.

Disney

musicals

Juke box

musicals

Musical drama

Film-to-stage musicals

Various different types of male and female voice are used in film and musicals and are given to different characters:

Soprano: The highest female voice type and normally plays the most sympathetic roles (sometimes the heroine who is being cheated on!)

Mezzo soprano: A lower female voice type (often given the spiciest and juiciest roles – often witches!)

Alto: The lowest female voice type but can also be sana by men (often maids, mothers or arandmothers)

Tenor: The highest male voice type (often given to vulnerable men who love too much!)

Baritone: A medium-range male voice type (often given to the hero of the plot)

Bass: the lowest male voice type (often aiven to characters that portrav fathers or priests)

> Romantic musicals Musical comedv

Sun-through musicals

Classic

musicals

Form and structure: The different sections of a piece of music or sona and how they are ordered.

Accompaniment: Music that accompanies either a lead singer or melody line - often known as the "backing" - provided by a band or BACKING SINGERS.

Bass line; The lowest pitched part of a song, often performed by bass instruments such as the BASS GUITAR. The bass line provides the harmonies on which the chords are constructed.

Chord: A group of two or more pitched notes played at the same time.

Chorus: All the choruses have the same lyrics. This section relays the main message of the song and this part of the song is repeated identically each time with the same melody and music (although this sometimes changes key before the CODA to add drama).

Hook: A 'musical hook' is usually the 'catchy bit' of the song that you will remember. It is often short and used and repeated in different places throughout the piece.

Instrumentation: Pop and Rock bands often feature a DRUM KIT to provide the rhythm along with ELECTRIC GUITARS (LEAD GUITAR, RHYTHM GUITAR, BASS GUITAR) and KEYBOARDS, SINGERS are essential to a Pop/Rock sona (LEAD SINGER) who sings most of the melody line to the song.

Lyrics: The words of a sona performed/suna by the singer or backing singers.

Riff: A repeated musical pattern often used in the introduction or in the MIDDLE 8/BRIDGE or INSTRUMENTAL SOLOS of a song. RIFFS can be rhythmic, melodic or lyrical, short and repeated.

Largo Adagio Very Slow Slow











Different Types

of Musicals

Music 2 of 2





Dynamics in Italian



Diminuendo Gradually getting quieter

Rhythm Symbols and Values



Notes from MIDDLE C going up in pitch (all of the white notes) are called a SCALE





CARDIORESPIRATORY SYSTEM

The main functions of the cardio-vascular and respiratory systems are to deliver oxygen and nutrients to the working muscles and to remove carbon dioxide and lactic acid from the muscles.



Cardiac Values	Breathing Values
Stroke Volume: Volume of blood pumped of the heart per beat.	Breathing Frequency: Numbers of breaths per minute.
Heart Rate: Number of beats per minute.	Tidal Volume: Volume of air inhaled or exhaled per breath.
Cardiac Output: Volume of blood pumped by the heart per minute.	Minute Ventilation: Volume of air inhaled or exhaled per minute.
SV X BR = CO	BF X TV = MV
All increase during exercise	All increase during exercise
<u>Gaseous Exchange</u>	
 Diffusion is the movement of gas from an area of high concentration to an area of low concentration. 	1/
 In the alveoli, there is a high concentration of oxygen and in the bloodstream, there is a high concentration of carbon dioxide. 	Alveoli
 Oxygen diffuses into the blood from the alveoli and carbon dioxide diffuses into the alveoli from the blood. 	
 Capillaries allow for Gas Exchange as they are 1 cell thick, moist, are close to the alveoli and have a 	1
large surface area.	PE 1 of 2

PE 2 of 2

The muscular skeletal system allows body movement. What holds the muscles/skeleton together?

- 1. Ligament: attaches bone to bone to give joints stability
- 2. Tendons: attach muscle to bone to create a lever (allow movement)

Functions of the skeleton:

- Movement
- Support
- Protection

Muscle Fi

Slow twitch

Type 1:

Type 2:

Fast Twitch

tuC boo

Production of red blood cells





ibres	<u>Characteristic</u>	<u> Type 1</u>	<u>Type 2</u>
	Colour	Red	White
	Energy System	Aerobic	Anaerobic
	Fatigue Resistance	High	Low
	Speed of Contraction	Slow	Fast
	Force of Contraction	Low	High

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MUSCOSKELETAL SYSTEM



Long Distance Runner

- Would use slow twitch fibres
- Needs to run for long periods
- So works aerobically
- So needs good Cardiovascular endurance
- Need good oxygen supply
- So will be red (o2 rich)
- Take longer to tire (fatigue) so can keep running for longer without stopping
- So speed and force of contract will be low as need to contract repeatedly

Sprinter

- Would use fast twitch fibres
- Needs to short for long periods but very fast and powerful
- So works angerobically
- So needs good Speed/Power
- Does not need good oxygen supply (compared to slow)
- So will be white (o2 low)
- Fatigue (tire) quickly as working to maximum
- So speed and force of contract will be high as need to contract as strong and quickly as possible





Creation: Science Vs Religion - Essential Knowledge



Evil and Suffering - Essential Knowledge

Evil	Wickedness, the absence of good, a co
Natural evil	Natural disasters that cause suffering.
Moral evil	Acts of humans that cause suffering.
The problem of evil	The question of how to reconcile the ex
An argument from evil	The argument that because evil exists, e have.
Omniscient	All-knowing.
Omnipotent	All-powerful.
Omnibenevolent	All-loving.
Theodicy	An answer to the problem of evil (why C
Augustine's Theodicy	The argument that humans use free will
Hick's Theodicy	Humans were created as imperfect. Suf
Free will	The idea that humans are free to make
The Fall	Adam and Eve defied God and would
Original sin	The tendency to sin in all human beings
The Christian Golden Rule	The teaching to 'Do to others as you wo
The Four Noble Truths	The Buddha's teachings about suffering
Dukkha	Buddhist term meaning suffering.
Tanha	Buddhist term meaning desire or craving
The Eightfold Path	The Buddha's solution to suffering, eight

Creation	The making of the universe.
Myth	A traditional story, usually involving a supernatural being, known by many but not necessarily true.
Origins	The beginning/start point of something.
Genesis	The first book of the Torah and Bible which describes how God made the world.
Literalist	Christians who believe that the statements in the Bible are literally true.
Non-literalist	Christians who believe that not everything in the Bible actually happened, it is not meant to be taken literally.
Theory	Ideas suggested to explain an event but is not proven.
The Big Bang Theory	The theory that an explosion of hot, dense matter between 12 and 18 billion years ago created the universe.
Evolution	The idea that over time, life on earth has gradually developed from simple organisms to more complex ones.
Theistic evolution	The idea that God designed the universe and the Earth to be this way for a purpose. Evolution happens but because God planned it.
Stewardship	The responsibility of looking after/caring for the Earth and environment given to humans by God according to some Christians.
Khalifah	Meaning ruler or leader in the Islamic faith; Allah appointed humans his khalifah (stewards) of the enviroment.
Dominion	To control and have superiority over nature.
Autonomy	The ability to make your own choices in life.
Self conscious	An awareness of oneself (appearance, actions, past, future).
Haram	Islamic term meaning forbidden.
Ahimsa	The Hindu and Buddhist belief in respect for all living things and avoidance of violence towards others.
Speciesism	Giving human animals more rights than non human animals or being biased in favour of humans.
Vegetarian	Someone who chooses not to eat meat.
Vegan	Someone who chooses not to eat or use animal products.
Incarnation	A deity (god/goddess) taking human or animal form/becoming flesh.
Vishnu	One of the Hindu Trimutri, who returns to the world in animal form to save humanity from evil/chaos.

cause of human suffering.

existence of evil with an omnipotent, omnibenevolent, and omniscient God. either God does not exist or does not have all the qualities he is believed to

- God allows evil).
- vill to sin, which takes the responsibility for suffering away from God.
- uffering helps humans gain virtues to develop into the 'likeness of God'.
- e their own choices.
- have to suffer in life as a punishment.
- gs, believed to be inherited from Adam.
- would have done to you' (treat others as you would want to be treated!).
- ng, its cause and the solution to it.

ng.

ht practices to help avoid/reduce suffering.

Science 1 of 4

SCIENCE: REACTIVITY 9CR

1	Displacement reaction	When a more reactive element replaces a less reactive element.		Ductile	A property of some metals.Can be shaped into a wire.
		Potassium most reactive		Lustrous	A property of metals meaning 'shiny'.
		Sodium Calcium Magnesium Aluminium Carbon	10	Malleable	 A property of some metals. Can be hammered or bent into shape without cracking
2	Reactivity series	Zinc Iron Tin Lead	11	Sonorous	A property of some metals.They can produce a ringing sound when hit.
		Hydrogen Copper Silver Gold	12	Chemical reaction	 In a chemical reaction reactants turn into products and a new product is formed.
		Platinum least reactive	13	Reactants	The substances which react together in a chemical reaction.
3	Salt	 The substance made in a neutralisation reaction. The name of the salt depends on the acid and the alkali/metal used. 	14	Products	The new substance(s) formed in a chemical reaction.
4	Extract	• To remove a metal to get it in its pure form.			• The name of a salt has two parts:
5	Ore	 A rock containing enough metal compound to make it worthwhile extracting the metal from. 		Naming Salts	The first part comes from the metal in the alkali used.The second part comes from the acid that
6	6 Formulae used in this topic • Carbonate: CO ₃ • Sulphate : SO ₄				was used.
				Hydrochloric Acid	Makes salts that end in chloride.
7 Properties	Properties			Sulfuric Acid	Makes salts that end in sulfate.
				Nitric Acid	Makes salts that end in nitrate.

	ience of 4	SCIENCE: MATTER 9PM	1		
1	Solids	 particles in fixed, regular arrangement. strong forces of attraction. particles vibrate in a fixed position. 	12	Melting	Solid to liquid
2	Liquids	 particles close together, but can move past each other. irregular arrangement. weaker forces of attraction. random movement. 	13	Evaporation	• Liquid to gas.
	Gases	can't be compressed significantly. no forces of attraction between particles	14	Condensation	• Gas to liquid.
3		in ideal gases. • random movement. • more energy than solids / liquids.	15	Brownian Motion	The random movement of particles.
4	Pressure	Can be calculated: pressure = force / area (Pa) (N) (m ²)			
5	Gas Pressure	 caused by gas particles hitting the insides of a container. each collision exerts a force; this builds pressure. 	16	Chemical reaction	In a chemical reaction reactants turn into products and a new product is formed.
6	Density	A measure of how much material there is in a given space.	17	Reactants	• The substances which react together in a chemical reaction.
7	High Density	More matter in a given space, e.g. brick	18	Products	The new substance(s) formed in a
8	Low Density	Less matter in a given space, e.g. polystyrene		Tiodocis	chemical reaction.
9	Density Equation	 Density = mass / volume kg/m³ kg m³ 	19	Physical change	 A change which does not create a new product, such as a change of state
10	Changes of State	 Changing from solid to liquid to gas or back the other way 			
11	Freezing	Liquid to solid	20	Diffusion	The movement of particles from an area of high concentration to a low concentration.

SCIENCE: MATTER 9PM1

Science 3 of 4

SCIENCE: FORCES IN ACTION 9PM

1	Force	 Push or pull. Always act in pairs with each force acting in the opposite direction. Contact or Non contact.
2	Contact force	When a force is exerted the objects are touching.Examples include tension, push and air resistance
3	Non-contact force	 The objects do not need to be touching for the force to be applied. Examples include weight, magnetism and electrostatic.
4	Moment	• The turning effect of a force around a pivot.
5	Principle of moments	When something is balanced about a pivot then total clockwise moment = total anticlockwise moment.
6	Pivot	Central point on which something balances or turns.
7	Moment equation	 M = F x d Moment = Force x distance
8	Elastic material	Will change shape when a force is applied but will return to its original shape when the force is removed.
9	Non-elastic material (plastic)	• Will change shape when a force is applied but will stay in its new shape when the force is removed.
10	Hooke's Law • The extension of an elastic object is directly proportional to the force applied to it.	
11	Hooke's Law • F = k e Equation • Force = Spring Constant x Extensions.	

12	Law of conservation of energy	Energy is neither created nor destroyed, only transformed from one type to another.
13	Different energy stores	Thermal, gravitational potential, elastic potential, nuclear, chemical, kinetic.
14	Deformation	 Changes in an object's shape due to a force being applied.
15	Resultant force	• The overall force acting on an object.
16	Velocity	How quickly an object is moving.
17	Constant velocity	Moving at the same, steady speed.
18	Stationary	• Not moving.
19	Balanced forces	• A pair of forces that are equal in size.
20	Unbalanced forces	A pair of forces where one force is larger than the other force.
21	Limit of proportionality	• The point at which an elastic material will not return to its original shape.

Science 4 of 4

1	Nucleus	Contains DNA which controls the cell's activities. Controls the movement of substances in and	16	Broad and flat	An adaptation of the leaf. Provides a large surface area for light to be absorbed and a short distance for gas to diffuse.
2	Cell Membrane	Controls the movement of substances in and out of the cell. Where most of the chemical reactions happen.	17	Stomata	Small pores in the lower epidermis that open and close to allow gases in and out.
4	Cytoplasm Cell Wall	Strengthens the cell and supports the plant.	18	Guard cells	Control the opening of the stomata. Closed at night to prevent water loss.
5	Chlorophyll	Green pigment found in chloroplasts in leaves. It traps light energy required for photosynthesis.		The Respiratory	 Trachea, bronchi, bronchioles, alveoli. Lunas
6	Chloroplast	Absorb light energy for photosynthesis (contains chlorophyll)	19	System	- Ribcage • Diaphragm
7	Vacuole	Filled with cell sap to help keep the cell turgid to provide support.	20	Gas Exchange	 Oxygen diffuses out of the alveoli into the blood stream Carbon dioxide diffuses out of the blood into
8	Photosynthesis	A process in plants that uses energy to change carbon dioxide and water into glucose and oxygen.			the alveoli Moist.
9	Photosynthesis equation	Carbon dioxide + Water → Glucose + Oxygen		Lung Adaptations	 Moisi. Good blood supply. Alveoli, which give a large surface area.
	Effect of light	Increasing light intensity increases the rate of	22	Ventilation	The process of breathing in and out.
10 11	intensity Effect of carbon dioxide concentration	 photosynthesis until another factor limits the rate. Increasing carbon dioxide concentration increases the rate of photosynthesis until another factor limits the rate. 	23	Inspiration	Breathing in. Diaphragm contracts and moves down. Intercostal muscles contract. Ribcage moves up and out. Pressure in thorax decreases, volume increases.
12	Effect of temperature	 Increasing temperature increases the rate of photosynthesis. However, above a certain temperature, the rate may decrease, as enzymes are denatured. 		Expiration	Breathing out. Diaphragm relaxes and moves down. Ribcage move in and down. Pressure in thorax increases, volume decreases.
13	Waxy cuticle	An adaptation of the leaf. It makes the leaf waterproof to provent water large	25	Respiration	A chemical reaction that releases energy.
14	Palisade layer	A layer of cells in the leaf. These cells are packed with chloroplasts to trap sunlight		Aerobic Respiration	 Chemical reaction that uses glucose and oxygen, convertes it into water and carbon dioxide. Glucose + oxygen → carbon dioxide + water
15	Spongy layer	A layer of cells in the leaf. There are air spaces to allow gas movement	27	Anaerobic Reaction	 Respiration in the absence of oxygen. Glucose → lactic acid

SCIENCE: PLANTS, PHOTOSYNTHESIS AND RESPIRATION 9BP AND 9BB

Photo Description Structures				
En la foto	in the photo			
hay	there is			
Se puede ver	you can see			
una mujer	a woman			
una chica	a girl			
un chico	a boy			
un hombre	a man			
gente joven	young people			
está llevando	he/she is wearing			
están llevando	they are wearing			
es	he/she is			
son	they are			
lienen	they have			
parece	he/she seems			
hace buen tiempo	the weather is good			
hace mal tiempo	the weather is bad			
hace calor	it's hot			
hace frío	it's cold			
está lloviendo	it's raining			
a la derecha	on the right			
a la izquierda	on the left			
en el fondo	in the background			
en el centro	in the middle			
en primer plano	in the foreground			

							_	
O	pinion Sen	tence Starte	ers		Time	Phrases		
Me molaI loveMe chiflaI loveMe flipaI loveDetestoI hateDetestoI hateDiría queI can't standDiría queI would say thatme da igualI don't care aboutOpino queIn my opinionLo que más me guata esWhat I like the most isLo bueno es queThe good thing is that				Past: Anteayer – the El mes pasado Hace un año – Present: Hoy – today Actualmente – Los lunes – on c Future: Dentro de un ai En el future – in El año próximo	- last month a year ago lately_ a Monday ño - in a year the future			
Tenses and Structures								
		Com	plex structure:	s in different te	enses			Τ
	When I w	vas younger		Cuando era más joven				
	l did m	any things		Hice muchas cosas				
I	used to love	because it wo	as		me gustó_po	rque fue		٦
	When	l am older			Cuando serc	a mayor		٦
	l have d	ecided that		He decidido que				
	lf I	could		Si pudiera				
	Vo	oy a ir		lría				
	l am g	oing to go		I would go				
	Voy	a jugar		Jugaría				
	l am go	ing to play			l would p	blay		٦
		Openers	/ Connec	tives / Exte	enders			
Mientras	while	No obstante	however	además	In addition	En primer lugar	firstly	
no solo	Not only	Por eso	therefore	puesto que	Given that	Finalmente	lastly	
sino	but	dado que	Given that	en lugar	Instead of	luego	then	

es...

así que

si

sin

también

without

also

it's

SO

de

Por el otro

lado

después

on the other

hand

after

otra vez

entonces

again

then

Module 1				
¿Qué cosas te gustan?	What things do you like?			
¿Qué cosas te encantan / te	What things do you love?			
No me gusta(n) (nada)	l don't like (at all).			
el baile / el cine	dance / cinema			
el deporte / el dibujo	sports / drawing			
la moda / la música	fashion / music			
la naturaleza / la pesca	nature / fishing			
la violencia	violence			
los cómics	comics			
los insectos	insects			
los lunes	Mondays			
las artes marciales	martial arts			
las injusticias	injustice			
las tareas domésticas	household chores			
En mi tiempo libre	In my free time			
Hago natación.	I go swimming.			
Voy al parque	I go to the park			
Voy al polideportivo.	I go to the sports centre			
Voy de pesca. Soy miembro de un club	I go fishing. I am a member of a club			
a veces	sometimes			
dos veces a la semana	twice a week			
muy a menudo.	very often			
casi todos los días	almost everyday			
todo el tiempo	all the time			
siempre	always			
Escribo canciones.	I write songs.			
Juego en mi consola.	I play on my games console.			
Leo revistas.	I read magazines.			
Monto en bici.	I ride a bike			
Navego por Internet	I surf the internet			
Preparo la cena.	I prepare dinner.			
Saco fotos.	I take photos.			
Toco el teclado.	I play the keyboard.			
Veo un partido de fútbol.	I watch a football game.			
después del insti	after school.			
este fin de semana	this weekend			
los fines de semana	at weekends			
los lunes / martes	on Mondays / Tuesdays			
los jueves por la tarde	on Thursday afternoons			
mañana por la tarde	tomorrow afternoon			
Voy a ver	I am going to see			
una comedia	a comedy			
una película de acción	an action film			
una película de animación	an animated film			
una película de adventuras	an adventure film			
una pelicula de ciencia ficción				
una película de fantasia	a fantasy film			
una película de superhéroes una película de terror	a superhero film a horror film			
una película de terror				

Tengo que... contestar al teléfono cortar el pelo a los client cuidar las plantas hacer manicuras limpiar habitaciones preparar comida Servir la comida vender productos en la t ¿Te gusta tu trabajo? (No) Me gusta (nada) mi trabajo porque es... difícil duro estimulante estresante monótono repetitivo Me gustaría ser.. Quiero ser ... abogado/a cantante diseñador(a) enfermero/a mecánico/a periodista policía taxista Me gustaría... No me gustaría (nada) trabajar al aire libre trabajar con animales trabajar con niños trabajar en equipo trabajar en una oficina trabajar sola/a hacer un trabajo creativ hacer un trabajo manua en el futuro ... voy a ... aanar mucho dinero hacer un trabajo interesa ir a la universidad ser famoso/a ser voluntario/a tener hijos viajar (mucho) vivir en el extranjero Va a ser interesante.

Module 2

	I have to
	answer the phone
es	cut customers' hair look after the plants
	do manicures
	clean rooms
	prepare food
	serve food
ienda	sell products in the shop
	do you like your job?
	I (don't) like my job (at all)
	because it is
	difficult
	hard
	stimulating
	stressful
	monotonous
	repetetive
	I would like to be
	I want to be
	a lawyer
	a singer
	a designer
	a nurse
	a mechanic
	a journalist
	a police officer
	a taxi driver
	I would like
$\mathcal{L}(\mathcal{O})$	I wouldn't like (at all)
	to work in the open air
	to work with the animals
	to work with children
	to work in a team
	to work in an office
	to work alone
0	to do a creative job
ī	to do a manual job
	in the future
	I am going to
	earn lots of money
ante	
ine	do an interesting job
	go to university be famous
	be a volunteer
	have children
	travel (a lot)
	live abroad
	it is going to be interesting

Module 3

Me gusta mucho hacer deporte. I really like doing sport. Hago artes marciales. I do martial arts. I do athletics. Hago atletismo. Hago footing. I go jogging. Hago gimnasia. I do gymnastics. Hago natación. I go swimming. Juego al baloncesto. I play basketball. Juego al ping-pong. I play table tennis. Juego al tenis. I play tennis. Juego al voleibol. I play volleyball. Voy al polideportivo. I go to the sports centre. Soy miembro de un club. I belong to a club. Vov a clases de baile. I go to dance classes. Prefiero jugar al fútbol. I prefer playing football Es mi deporte preferido. It is my favourite sport. Empecé (a jugar) I started (playing). a los (diez) años at the age of (ten) Voy a empezer a (hacer)... I am going to srat (doing). Para estar en forma... To keep fit / in shape ... Se debe... You / One must ... beber agua frecuentemente drink water frequently comer más fruta y verduras eat more fruit and veg comer menos chocolate / eat less chocolate / fewer sweets caramelos dormir ocho horas al día sleep for eight hours a day entrenar una hora al día train for one hour a day No se debe... You / one must not.. beber alcohol drink alcohol beber muchos refrescos drink lots of soft drinks comer comida basura eat junk food fumar smoke soy adicto/a al I am addicted to ... A partir de ahora, voy a From now on, I am going to ¿Qué te duele? What hurts? ¿Te duele el estómago? Does your stomach hurt? Me duele el brazo/el estómago My arm / stomach hurts. Me duele la cabeza My head Me duele la mano / la pierna. My hand / leg hurts. Me duelen los dientes My teeth hurt. Me duelen los oídos. My ears hurt. Me duelen lost oios. My eyes hurt. Tengo catarro. I have a cold. Tenao náuseas. I feel sick / nauseous. Tengo quemaduras del sol. I have sunburn. Tengo tos. I have a cough. I'm tired. Estoy cansado/a. Estoy enfermo/a. I'm ill. No me encuentro bien. I don't feel well.

Spanish 2 of 2

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Notes	Notes




