



Cycle 2 Assessments Revision Support

In this booklet, you will find **tips for parents**, **knowledge organisers** and **'what I need to know'** checklists for each subject.

Use these to support your preparation for assessments. These begin on **Monday 11th February 2019** and will take place in lesson time.



Five simple revision tips for parents

Exam season is fast approaching and you're probably feeling the pressure of trying to help your child prepare. We've compiled some revision tips to help you banish the stress of exam prep.

1- Establish effective study habits

Help your child create a study plan early on (this will make you aware of their exam dates too), making sure it is realistic and achievable to avoid de-motivation. Planning in advance will also help avoid ineffective cramming sessions further down the line. Encourage them to use a weekly planner so they are accountable for their work. Don't micro-manage. Provide extra support if they need or ask for it.

2- Take a break!

Don't try and force them to work for hours at a time. Their concentration span is limited and it will hinder the success of their revision if they are trying to do mammoth sessions. Suggest the use of a timer as well as regularly changing revision subject, to avoid getting stuck in a rut. Check out our Pomodoro video as it's a really simple way for students to manage their time effectively:

https://youtu.be/RlidoiSrpB0





3- Practise past papers



Past papers encourage your child to think contextually, rather than just trying to memorise an entire text book. You can help by creating a realistic, timed, exam scenario when they are completing practice papers .This will encourage them to get used to working under pressure and develop exam strategies, helping them feel less anxious on the day.

4- Watch for signs of frustration

It's important that your child is in the right frame of mind for revising. If they are struggling over something in particular, it may be best to park it for the night, reassess the next day and break it down into manageable chunks. Look out for stress and worry over exams that have been and gone. Be sure to ask them how their exam went, then shift their focus to what's coming up next and encourage them to say in a positive mind-set. It is important to remember the role of a healthy diet, plenty of water and exercise in keeping a healthy outlook on exams.

5- Ask for help

If you are working closely with your child to help them study, but feel the work is beyond your own skill set, it may be worth seeing if there is another family member who can assist. Or, if you feel this may be a long term issue and your child needs extra support, it may be worth hiring a private tutor to help improve your child's understanding of the subject. Alternatively there is lots of free support online, offering revision help for a huge range of subjects. Don't forget- teachers are just at the end of a phonecall and are ALWAYS happy to help!





Use these knowledge organisers to revise for your assessment. Try:

- practice questions;
- getting someone to quiz you;
- making flashcards to use when quizzing;
- graphic organisers (see right);
- the Cornell method (see right);
- talk for a minute on the given term/topic – no pauses, no hesitations. Slips or repetitions or micro pauses lose a 'life' – three strikes and you're out!
- Ask someone at home to use the 'what I need to know' checklists to test you on what you have learned.



***Remember: make sure you give yourself breaks and allow time to relax and do the things your want to do and enjoy doing.

Sunday	Saturday	Friday	Thursday	Wednesday	Tuesday	Monday	Day
							9:00 - 10:00
		5	X				10:00 - 11:00
			70	2			11:00 - 12:00
				0	>		12:00 - 1:00
					00	2	1:00 - 2:00
							2:00 - 3:00
							3:00 - 4:00
				24			4:00- 5:00
							5:00 - 6:00
							6:00 - 7:00
			5				7:00 - 8:00
		()	8				8:00 - 9:00
				· 6			9:00 - 10:00

Weekly Revision Timetable

Name:

English



What I Must Know	•	
Characters from set texts		
Themes from set texts		
How and why the writers present characters in a certain way.		
How themes link to characters and why the writer did this.		
The context of the text		
Dramatic techniques		

PLOT		CHARACTE	RS	THEMES	KEY QUOTES
1	Ebernezer Scrooge is at work in his counting house. Despite the Christmas Eve cold, he refuses to spend money on coals	Ebernezer Scrooge	A selfish business man who transforms into a charitable philanthropist.	Greed	."Oh! But he was a tight-fisted hand at the grindstone,
	for the fire. Scrooge's turns down his nephew, Fred's, invitation to his Christmas party and the request of two men	Jacob Marley	Scrooge's dead partner who returns as a ghost to warn scrooge to change his	Predestination	wrenching, grasping, scraping, clutching, covetous old sinner!
	who want money for charity.		shem .	Free will	Hard and sharp as flint, from which no steel had ever struck
2	Scrooge is visited by the ghost of his dead partner, Jacob Marley, who tells Scrooge that, due to his greedy life, he has	Bob Cratchit	Scrooge's clerk who doesn't have much money. He loves his family and is	Poverty	out generous fire; secret, and self-contained, and solitary as
	so wenter, the term weening newsy chains, wenter that three solirits will visit him during the next three nights. Scrooge falls		shown to be happy and morally upright.	Class	an oyster."
	asicep.	Tiny Tim	Bob's ill son whose story plays a part in inspiring Scrooge's transformation.	Stratification	No beggars impiored nim to bestow a trifle, no children asked him what it was o'clock.
ω	He wakes and the Ghost of Christmas Past takes Scrooge into the past. Invisible to those he watches,	The phost of	A strange combination of young and	Isolation	no man or woman ever once in all his life inquired the way
	Scrooge revisits his childhood school days, his apprenticeship with a jolly merchant named Fezziwig,	Christmas Past	old, wearing white robes and looking like a candle.	Transformation	to such and such a place, of Scrooge."
	and his engagement to Belle, who leaves Scrooge as he loves money too much to love another human being.	The ghost of	A portly, jovial gentleman surrounded	Family	"He had so heated himself
	Scrooge sheds tears of regret before being returned to his bed.	Christmas Present	by a warm grow, ne brings joy on the most needy townsfolk.	Guilt	with rapid walking in the tog and frost, this nephew of Scroose's that he was all in a
4	The Ghost of Christmas Present shows Scrooge	The ghost of	A robed and hooded spirit who	Generosity	glow; his face was ruddy and handsomer his even sparkled
ja Ja	Christmas as it will happen that year. Scrooge watches the Cratchit family eat a tiny meal in their little home.	christmas yet to come	tombstone.	Redemption	and his breath smoked again."
	He sees Bob Cratchit's crippled son, Tiny Tim, whose kindness and humility warm Scrooge's heart. The	HISTORICA	L CONTEXT	Capitalism	"Old Marley was as dead as a door-nail."
	spectre shows Scrooge his nephew's Christmas party.	1824 - Dickens' fath to give up his educa	her is sent to jail for debt and Dickens has ation until his father inherits some money	Social	
	Toward the end of the day the ghost shows Scrooge	and he goes to a pri	vate school	Responsibility	Marley shace. It was not in impenetrable shadow as the other objects in the yard were
	as Scrooge notices a dark, hooded figure coming.	Dickens was put to bottles. He had exp	erience of poverty.	Justice	but had a dismal light about it. like a bad lobster in a dark
n	The Ghost of Christmas Yet to Come takes Scroose through a	Dickens became a v	writer of fiction and journalism, reporting working for radical newspapers on his	Supernatural	cellar. It was not angry or ferocious, but looked at
U	sequence of scenes linked to an unnamed man's death. Scrooge, is keen to learn the lesson. He begs to know the	disillusionment with	h politics and the class system.	Morality	Scrooge as Marley used to look: with ghostly spectacles
	name of the dead man. He finds himself in a churchyard with the spirit pointing to a grave. Scrooge looks at the headstone and is shocked to read his own name. He is desperate to change his fate and promises to change his ways. He suddenly	1832 – The Great Re owners the right to the middle classes, I have the right to vo	eform Bill gave many middle class property vote for the first time. Large sections of the working classes and women still didn't te.	STYLISTIC FEATURES	turned up on its ghostly forehead. The hair was curiously stirned, as if by breath or hot air; and, though
8	finds himself safely tucked in his bed.	1834 – Poor Law An paupers to help the	nendment Act – Led to a cut in aid given to m stay in their own homes. Workhouses	Allegory	the eyes were wide open, they were perfectly motionless.
6	Scrooge rushes out onto the street hoping to share his newfound Christmas spirit. He sends a turkey to the Cratchit	were created which in, if they were una	poor people would have to live and work ble to pay for their own housing.	Narrator	it horrible; but its horror seemed to be in spite of the
	house and goes to Fred's party, As the years go by, he continues to celebrate Christmas with all his heart. He treats	September 1843 – C	Dickens visits a "Ragged School."	Pathetic fallacy	face and beyond its control, rather than a part of its own
	Tiny Tim as if he were his own child, gives gifts for the poor and is kind, generous and warm.	December 1843 Did how many of societ	kens writes A Christmas Carol focusing on v's ills can be blamed on greed for money	Prolepsis	expression."
		and status.		Symbolism	

AN	I INSPECTOR CALLS		Characters	Key Terms
1912	when the play was set. Just before W/W1 and the sinking of the Titanic. JBP wanted to make sure audiences in	Mr Birling	Amogant and Capitalist businessman who hates social equality and loves money. Sacks Eia from his factory when she asks for equal pay for women and threstens a strike.	Dramatic Irony
1945 re to go ba	cognised the problems in society in 1912 before the wars (dass system, Capitalism, sexism) and weren't tempted ck to living like that. He wrote the play to highlight the dangers of the Capitalist lifestyle.	Mrs Birling	Snobbish and cold-hearted Capitalist who believes evenyone is responsible for themselves. Doesn't help Eva when she comes to the charity for help.	Real Time
1945	when the play was written and performed. After WW2, society changed for the better. The benefit system started modules and us had more socially for unrease and second a disordivide because of different classes and different		Priestley's mouthplece (represents JBP's ideals), keen Socialist who fights for community	Tension / suspense
genders them in	inconcessing in the ware effort. USP supported and encouraged these changes and waited to make sure he promoted in the ware effort. USP supported and encouraged these changes and waited to make sure he promoted his play by making Capitalists like the older Birlings appear ignorant and selfish.	Inspector	responsibility and gets the Birlings to face up to what they have done.	Monologue
Socialist	m – JBP was a keen socialist. This meant that he wanted everyone to look after each other rather than just caring ramedue. He was trainer to provide the watch he making the sociality character like the increasion much series.	Sheila	The daughter. Gets Eva sacked from the shop for smirking at her. Starts off as a spoilt ridh girl but quickly changes her views, feels sonry for Eva Smith and starts to become Sodalist as the play progresses. Is ashamed of her parents at the end.	Capitalist
more rea	remserves, ne was trying to promote this with the play, by making the socialist characters line the inspector much spectable than the Capitalist ones.		The son. Typical young man - drinks too much and has a one-night stand with Eva. Ends	Socialist
Capitalis money v	Im – JBP hated Capitalists – those who thought that everyone should only care about themselves and that making was more important than human rights. He created Mr and Mrs Birling as Capitalists, in order to make Capitalism	Eric	up getting her pregnant and stals from his dad to give Eva money. Regrets his actions and changes his ways. Adhamed of his parents at the end.	Modal verbs
seem ou	in-dated and selfish. Min and Mins B are portrayed in a negative way by JBP for this reason.	Gerald	Shella's fiance. Businessman who has Capitalist ideals and is similar to Mr Birling nollitically. Shows some nemet for his affair with Fox but harow to act like nothing has	Imperative verbs
was no t	to races – In 2024, the societ cleases were segregated, women get participations intermented to the same work, there benefit system or help with unemployment or housing. Society was patriarchal (men ruled).		happened when it suits him.	Interruptions
	Plot		Assessment Objectives	Metaphor
	The family are celebrating Shella and Gerald's engagement. Birling makes speeches saying there will be no war, and the Titanic is unsinkable. An Inspector arrives and tells them Eva Smith has committed suicide. He	A01 (40%)	Make an informed personal response using a critical style. Use textual references, including quotations, to support and illustrate interpretations.	Triplets / list of three
ACT 1	gets Mr B to admit sadding her. He doesn't take blame. Inspector gets Shells to admit getting her sacked for laughing. She feels guilty and adhamed of herself.	A02 (40%)	Analyse the language, form and structure used by a writer to create meanings and effects, using relevant subject terminology where appropriate.	Stage Directions
	Inspector gets Gerald to admit having an affair with Eva Smith (now called Daisy Renton after a name change).	AOS	Show understanding of the relationships between texts and the contexts in which they were	Patrianchy
ACT 2	she came to Mrs B's charity for help when she became pregnant. Mrs B says it should be the father's resonancibility	404	Use a range of woodbulkery and sentance structures for clarity, purpose and effect with	Contrast
	At the end of the Act, we realise that the father of Eva's baby was Eric.	(4 marks)	occurate spelling and punctuation.	Direct Address
	Exit's involvement with Eva is revealed and a possible rape is hinted at, as he says he forced Eva. The inspector	1	The Exam	Pause
	gives his that specify address they will live to regret it. Inspector then leaves. Genald finds out that the Inspector wasn't a real inspector. Mir B rings to check and there is no inspector Goole. Also, there is no dead girl!	 Choose on Firstly, high Now, decid 	e of the 2 questions – they could be on a theme or a character light the key words in the question e on 4-5 suitable quotations which will support your answer well	Priestley's Mouthpiece
	our and ours to jund density decorate and act live nothing has represed. She a and the still well guirty and can't go back to how they were before.	Write resp	onse: ro: summarise character or theme (5 mins)	Repetition
	is on his way over to ask some questions.	Note: If you'n	te 4 – 5 detailed PtELs (50 mins) n up how the writer presentswhatever the question asks. (5 mins) a struggling with one of the bullet points, spend <u>some</u> more time on the bullet point you're	Ouspensky's time theory
	Key themes	Check spel	lings, punctuation and vocab (5 mins)	Playwright
GENERA	ITIONAL DIFFERENCES		Sample response	Audience
The olds reluctan become the play	er generation (Mr and Mrs Birling) are a symbol of Capitalism, so they do not change their ways and they are it to accept blame for their role in Eva's demise. The younger generation, on the other hand (Shella and Eric) a symbol of Socialism as the play progresses. They accept blame and want to change; they change throughout , for the better.	How does Pries Priestley centres characters' reac presents the old	tiey present generational differences in the play? the maral of the play around generational differences and how they offect different tions to the news that they have contributed to a young girl's demise. In the play, Priestley for generation, Mr and Mrs Birling, as arrogant and snobbish characters who are keen to shift	Stretch yourself
RESPON The Insp view con should i	ISIBILITY / JUSTICE sector, as Priestey's mouthpiece, is a symbol of Socialism – he wants everyone to look after each other and to mmunity as very important. He is sent to uncover the family's wrongdoings and to make them see that they take responsibility for others. Shella and Eric realise this, but Mr and Mrs B do not.	blame onto oth monologue, wh Capitalist views absurd, and he illustrates Binlin Inspector, as he	ers and one reluctant to change their ways. This is mast evident, perhaps, in Mr Binling's en he speaks of, 'community and all that nonsense', which emphasizes to us his strongly the funds the idea that he should look after those around him instead of himself completely dismisses the idea with the highly opinion ated noun 'nonsense'. Here, Priestley cleverly g's complete look of self-awareness. He is oblivious to the fact that he appears selfish to the would to Priestley himself, and indeed the audience.	 Research original contextual detail to develop your own personal response. Watch different
GENDEP Prieste treated. changin she is w	INEQUALITY y wanted to show his audience that there was a lot of inequality back in 1912 when it came to how women were By making certain characters out to be sexist, he highlighted this problem and tried to shame audiences into g their own views about gender equality too. This is perhaps why the victim of their actions is a woman, and why orking class (working class women were at the bottom of the pile in those times).	Conversely, whe Shella is present would', which e feelings of help question her pa audiences by w	in occused by the inspector of contributing to the young girl's demise. Birling's young daughter ted in the opposite way entirely. Shella's character is given the line, "If I could help her now, I mphasiss her acceptance of blame and also regret. The modal write here illustrate her lessness. Interestingly, Shella takes on the role of the Inspector in Act 3, as she starts to rents and is shocked at their ignorance. Priestley's aim here was to try to influence post-war aming them of the dangers of Capitalism and the benefits of living a Socialist lifestyle.	performances of key scenes to provide you with 'ammunition' when discussing form.

	War Photographer Carol Ann Duffy 1985	Poppies Jane Weir 2009	Remains Simon Armitage 2005	Bayonet Charge Ted Hughes 1957	Storm on the Island Seamus Heaney 1966	Exposure Wilfred Owen 1917-1978	The Charge of the Light Brigade Alfred Tennyson 1824	My Last Duchess Robert Browning 1842	The Prelude: Stealing the boat William Wordsworth 1850	London William Blake 1794	Ozymandias Percy Shelley 1817	Poem & Poet
	A war photographer is in his darknoom, developing pictures that he has taken in different warzones. As the pictures develop he recalls the death of one man & remembers the cries of his wife. The photographer contrasts his experiences to rural England & locuies on people who do not seem to care about war tom places. Defly was implied to write this poem by her friendality with a photojournalist.	A mother describes her son leaving home, seemingly to join the army. The poem is about the mother's emotional reaction losing her son to the war. She fears for his safety 8 after he leaves her she goes to a familiar place that remieds her of him. Weir is a tootile artist as well as poet & teatlies feature heavily here.	Based on the account of a British soldier who served in Iraq, first published in a series of interviews by Channel 4 called "The Not Dead". A group of soldiers shoot a man who's running away from a bank raid. His deach is deacribed in graphic detail 3: the soldier who is tolling the story can't get the death of the man out of his head. He didn't know if the man was armed or not & the reader gets the impression that it was not an isolated incident.	The poem focuses on a single solder's experience of a charge towards energy fires. It describes his thoughts & actions as he tries to stay alive. It is dear that the solder is not ready for the charge & could have been sleeping. The sold en- fears for his life & the patriotic ideals that encouraged him to fight have gone. Hughes was a former RAF serviceman & often look at man's impact on mature.	The narrater describes how a community are waiting to be hit by a storm. It is advious that they have been hit before because of the landscape of the island (houses squar). The narrater starts off confident but as the storm hits the power of the storm creates lealings fear & trepidation. Heavy gree up in a farming	An authentic poem based on Owens' own experience on the front line. It was a homendous winter & the men are subject not to enemy attacks but to the brutality of nature. Nature is percentified as the main enemy & the men can only wait to die. It is an anti-war poem & stresses the insignificance of man compared to nature. During the Somme, over 60,000 British soldiers died in one night.	A tribute to the British cavalry (soldiers on horseback) who died during the Crimean War. Basically, the men were given an incorrect order to chargo into battle & with swords, & meet the Russian energy, who were armed with guns. The cavalry were defoncilous- yet still fought bravely.	A Date is showing a visitor a portrait of his Duckess (former wife) who is now dead. White observing the painting he tells the visitor that the Duckess was firrations & displeased him. As he speaks we realise that the Ducke is insamely jealous & protectly had the Duckess killed. We learn at the end of the poem that the visitor has come to an ange the Ducke's next marriage & is representing the woman he is set to many. Poem based leasely on the real Duke of Fernara.	This is only an extract of the poem & is autobiographical. It is about an over confident namator who finds a boat & takes it out on the lake. Although confident to begin with & enjoying the scenery, the namator sees the mournain appear on the horizon & is overwheimed with its size & power. It causes the namator to retreast & change his view of nature, he now realises its power. Wordsworth was a remantic poet (Romantics challenged people about they way they thought. They also saw the power of nature over mankind.)	Narrator describes a walk around London & comments on the despair & misery that he sees. Blake was influenced by the French Revolution & wanted social & political equality. He wanted the people to rise up against the powerful drunch, monarchy & in turn emancipate [liberate/free] themselves.	Narrator meets a traveller who tells him about a statue in the middle of the desert. The statue is of an ancient & cruel ruler from a past civilization – Pharach Remesses II: The poem is about the temporary nature of power. Utimately, power will fade, art cannot immortalise power & nature will be long-lasting.	Content (context in bold)
	intro/PEE on one poe connective- PEE on ne Repest Step 6: Conclusion	to use from your chos & connect them to que the printed poem. Step 4: Write the esse	Actions: Step 1: Read & highlig words of question Step 2: Decide on one compare to Step 3: Write quotes (INFO 143 minutes 1 task only- no choid question 1 poem printed	"Exposure" & in one of from the Power & Co cluster.	The Example question: Compare the ways po present ideas about n	History John Agard 2007 date of the p nomen	Garland censide 3013 aborted remind cm the cm the c	Canol results (Canol hosework Rameni may no 1993 (entic) Kamikase Kamika Baankee who w	The The part	bestar DNarker 2005 intertw Koran- tissue (& Poet Tisse The poe
	m - contexts (time) in which they ext poem/ were written & think about how this aids your understanding <u>6 marks available.</u>	sen poem Jotes from A03- Show understanding of the relationships between sy: poems & acknowledge the	effect on the reader. Ensure that you include subject poem to Comment where you can on structure/form <u>12 marks available</u>	throughout your response. <u>12 marks available</u> A02- Carefully analyse the language used by the poet & comment on the intended	ther poem & poems, use quotations to whict evidence understanding. Ensure comparisons are made between poems & made	m Assessment Objectives Internation of the question	of he was taught British history & not about his an resets to which he feels resentful. He mocks some soluties things he was taught & contrasts the se topics with admirable black figures.	red one of honsur but this poem is about a pilot who d the mission. Hi daughter imagines that her father was ed of his childhood & the beauty of nature & life whilst mission. When he returned home its was shunned. There discusses his identity & emphasises how identity in tride to history & anderstanding your own history.	This a pareny positive view of the City, the City are has since changed, perhaps it was scene of conflict, er, she still protects the memory of her city. The city is the a real place but represent a time, emotion - a the speaker's childhood. According to Ben Wilkinson Rumens has a "faccination with elsewhere." Rumens has a "faccination with elsewhere." ter is the unofficial name given to Japanese pliots ter is the unofficial name given to Japanese pliots	Dharker has Pakistani origins & was raised in w. Pikery of her poems looks at issues of identify, solver speaks about a city that she left as a child. The hour or water contribution on or the city of the city de	es how life, like tissue is fraglic. However, she also is some of the Iheral uses of paper that are ised with our lives, such as recording names in the She then goes onto to discus how we are made from living tissue which is our sking emphasising that IPe is	Abolti en uses tissue as an extended metaphor for life. She
1 1 1 1	Epic poem Oliche Hyperbole Semantic field Protagonist	Voice Third person Tone Volta	Sibilance Simile Stanza Verse Structure Symbolism	Plastice Photonic Rhetonical question Rhyming scheme Rhyming couplet Rhythm	Anaphora Oxymoron Personification Sonnet	Metaphor Monologue Mood Narrative Onomatopoeia	Irony Language Language	ismbic pentameter imagery in medias res internal myme "teors between the both and pre-lunch	Enjambment Euphemism -"ati smilies stopped" First person Form Fore verse Half rhymes	Colloquisi language Dramatic monologue Emotive	Authentic Blank verse Caesura (plural caesurae)	terminology Aliteration Assonance Autobiographical
	Be original, develop you Be critical, give your own Develop your ideas on c have on the poem & you	Equally Likewise As with	Connectives Likewise In the same way Similarly	Bravery: Exposure, B: Charge of the Light Br Comparing	Prelude, Bayonet Cha Poppies, War Photog Kamikaze,	the Light Brigade, Poy Emigree, Kamikaze, C History.	Place: London, The Pr Kamikate: Identity: My Last Dud	Poppies, The Emigree Memory: The Prelude Remains, Poppies, Wa Emigree, Kamikaze.	Kamikaze. Reality & brutality of of the Light Brigade, E Charge, Remains, Wa Loss & Absence: Lond	Effects of conflict: Th Brigade, Exposure, Ba Remains, Poppies, Wa	Power of humans: Oa My Last Duchess, Tiss History.	Power of Nature: Ozy Prelude, Exposure, St Tissue & Kamikaze.
	youristan r own interpretations; n justified opinions; ontext- what effect does r understanding?	Conversely Alternatively Although	connectives However Whereas On the other hand	igade. Contrasting	rage, Remains, rice rapher, The Emigree,	ppies, Tissue, The hecking Out Me	relude, The Emigree, hess, The Charge of	, Kamikaze. , My last Duchess, ar Photographer, The	conflict: The Charge Syposure, Bayonet r Photographer. Ion, Exposure,	e Charge of the Light wonet Charge, ar Photographer,	ymandias, London, ue, Checking Out Me	mandias, The orm on the Island,

					Character	Vocabulary	Context
	IV					Meter	Macbeth is loosely based on true events
		Plot		Martin	A loyal warrior who becomes duplicitous as he becomes obsessed	Blank verse	in feudal Scotland in the 11th Century and would have been known to King
Act 1	prediction	and Banquo meet wito ns. Cawdor executed. L	ady Macbeth reads	Motoren	with the witches' prophecies of power	Rhymed verse	James. King James inherited the throne through his ancestors Banquo and
	letter. She	e taunts Macbeth and	Duncan arrives.			Prose	Fleance who appear in the play.
Act 2	Macbeth the murde	sees a dagger reflectin er- but kills Duncan wi	g his doubts about th Lady Macbeth's	Lady	Macbeth's wife who drives his ambition	lambic pentameter	This violent period in Scotland's history ended with stronger links with England
	help. Mal	colm flees and Macbet	th chosen to be king.	Macbeth	by the end.	Trochaic Tetrameter	much like the union of the crowns that
ALLO	Pannio b	uspects Macuetti – Ma	coeth muruers			Under the second later	of England as well as Scotland.
	Banquo o	ut nis son hieance esca ghost.	pes. Macdeth sees		Macbeth's close friend and ally who	Heroic couplets	Kine James was fascinated by witchcraft
Act 4	Witches s	econd predictions. Ma	cbeth orders the	Banquo	also receives prophecies from the witches	soliloquy	and it is likely that the witches were
	killing of 1	Macduff's family. Mac	fuff and Malcolm			Dramatic irony	included to please him as Shakespare
	agree to i	nvade Scotland.		Fleance	Banquo's son		wanted his approval.
	Lady Mad	beth's mental state de	teriorates eventually	······		Concealment	King James also believed in The Divine
Act 5	committin	ng suicide. Malcolm's a	Irmy invades through	Duncan	Portrayed as a strong and respected	Gender	Right of Kings meaning that any attempt to depose a king went directly against
	Macduff.	Malcolm is proclaimed	king.	Scotland	leader at the start of the play.	Stichomythia	God and would be judged harshly. This is
Lines pe	r Macbeth	715 Lady Macbeth 2	59 Malcolm 211			Travedu	CLICKED IN MELOCKI S INIULE AS A MILE-
characte	r Macduff 1	180 Ross 135	Banguo 113	Martin	A brave warrior who is loyal to Duncan	(and and	Both King James' parents were killed in
		Themes		Mecourt	Macbeth.	Hamartia	politically motivated moves to secure power and an attempt was made on his
Ambitio		children	Natural world		Duncan's son and next in line to the	Prophecy	life through the gunpowder plot. Shakespeare echoes this interest in
Kinpshin		Rhod	Gender	Malcolm	throne.	Imagery	usurpation in the murders in the play:
					White Cittary Destructed as format of	Symbols	There is a direct reference to King James
1 444 411		nech	and and	The Three Witches	nature who seem to know the future (is	Metaphor	Macbeth sees a vision of kings stemming
Appearan	nce and reality	Visions	Manhood		this true?) They fascinate Macbeth.	Regicide	from Banquo's sons
	f	Assessment Obje	ctives	How far is I	ady Macbeth portrayed as a strong and	Stretch	Form
A01	Read, understand	i and respond to texts. St itical style and develop an	informed personal	lines 12-27)	e woman in uns sonioquy (Act 1 scen	yourself	Shakespeare uses soliloguy to allow the
ħ	response			Lady Macbe	th is contemplating the predictions Macbe	th	characters to communicate their true
marks	 use textual re illustrate inter 	ferences, and quotations	, to support and	words of the	witches linking her directly with the	the extract,	thoughts to the audience
	Understand Unio	cipitationa.		has achieve	/ world and evil. Authough she acknowledg d two of the predictions, she fears his 'nat	ure is to other parts of	Macbeth is one of Shakespeare's
AOZ	Analyse the langu	lage, form and structure i	used by a writer to create	too full of the	e milk of human kindness". The intensifier	"too" the play.	Tragedies and follows specific
marks	appropriate.	ects, using relevant subje	ot terminology where	that will prev	she believes this is an element of his char rent him killing Duncan. The reference to r	nilk performances of	conventions. The climax must end in a tremendous catastrophe involving the
A03	Show understand	ling of the relationships b	etween texts and the	and its good	ness is in direct contrast to the "bitter galf	' she key scenes to	death of the main character; the
6	contexts in which	they were written.		wanted to tu weakness bi	in her nurruning milk into, she knows his ut also how to manipulate him. She knows	provide you with	character's death is caused by their own
marks				is not withou	rt ambition" but doesn't have the evil "illne:	ss" 'ammunition'	riaw(s) (nomentia); the character has something the audience can identify with
A04	Use a range of voi	cabulary and sentence st ct. with accurate spelling	and punctuation.	with which h	e will be able to see through the murder. T illness forestacious the inevitable	The form.	which outweighs their flaws so we care
marks				consequenc	e of their actions.		about them.

Macbeth Sample Exam Question	Exemplar response Lady Macbeth describes Duncan's entrance as 'fatal' straight
Macbeth .	will be coming to her castle, which shows power making instant decisions. Lady Macbeth's lang
Read the following extract from Act 1 Scene 5 of Macbeth and then answer the question hat follows.	that she is calling for power from evil spirits to out the murder of Duncan. She wants to get ric here' – which suggests that she sees being a v
At this point in the play Lady Macbeth is speaking. She has just received the news that Grig Duncan will be spending the night at her castle.	'come to my woman's breasts and take my mil that she will only be able to carry out he act if I
The reven himself is hnores	'gall' (poison). On the one hand Shakespeare
That croaks the fatal entrance of Duncan	order to get what she wants. However it could
Under my battlements. Come, you spirits	powerful at all and knows that her female wea
That tend on mortal thoughts, unsex me here,	order to give her the strength to do what needs
5 And fill me from the crown to the toe topfull	The fact that Lady Macbeth is destroyed by gu
Of direct cruelty, make thick my blood,	second interpretation of this speech is closer to
Stop up th'access and passage to remorse	murder she is nervous and jumpy: 'hark/peace'
That no compunctious visitings of nature	meant for the guards to keep herself strong. Sh
Shake my fell purpose nor keep peace between	when he is too shocked and frightened to act, a
10 Th'effect and it. Come to my woman's breasts,	Duncan's room herself. However, she also say
And take my milk for gall, you murd ring ministers,	Duncan herself because he reminded her of he
Wherever in your sightless substances	that she isn't as cruel and heartless as she thin
You wait on nature's mischief. Come, thick night,	she has already been pushed aside by her hus
And pall thee in the dunnest smoke of hell,	Innocent of the knowledge of banquo's murde
15 That my keen knife see not the wound it makes	greatness. Her power in her relationship has s
Nor heaven peep through the blanket of the dark,	finally tormented so much by the murder of Du
To cry "Hold, hold!"	powerful in some ways but not others; she is a
	needs to be, but also feels that she has to cor in order to be able to be strong in a man's wo
tarting with this speech, explain how far you think Shakespeare presents Lady Macbeth s a powerful woman.	Commentary The opening sentence shows clear understar into the play. There is close focus on particula explanation of possible meanings. Ideas about the planet of the pla
Vinte about:	about different interpretations of what Lady M interpretation of her in the play as a whole Th
how Shakespeare presents Lady Macbeth in this speech how Shakespeare presents Lady Macbeth in the play as a whole.	direct reference from other parts of the play, us response to the play as a whole. Overall this re
[30 marks] AO4 [4 marks]	understanding of the demands of the task. The extract and their knowledge of the whole play in response to ideas about Ladv Macheth as a po
	response to ideas about Lady Macbeth as a p

Year 10 Mathematics



What I Must Know	<u></u>	
Knowledge of Angles - Interior & Exterior. What adds up to what?		
Knowledge of the different Transformations and how to move them.		
Recall Perimter & Area & Congruency of Shapes		
How to work out Probalility outcomes		
Be confident working with drawing Pie Charts & Freq Diagrams		
How to compare Value for money intems		











Working out Compound Interest

The Long Way

£225.10	218.55 x 1.03	3%	£218.55	4
£218.55	212.18 x 1.03	3%	£212.18	З
£212.18	206 x 1.03	3%	£206	2
£206	200 x 1.03	3%	£200	-
Amount at the end of the year	Calculation	Interest Rate	Amount	Year

Examples by Cazoom Maths

 $\pounds 200 \times (0.03 + 1)^4 = \pounds 225.10$

Amount x (Percentage Multiplier + 1)

The Quick Way

If you invested £200 at 3% compound interest, after 4 years the amount at

the end would be £225.10 and you would earn £25.10 in interest.



Science

What I Must Know- Chemistry		
Describe: What takes place at the anode and the cathode electrodes during electrolysis.	<u>.</u>	
Describe: Redox reactions.		
Identify: The products of electrolysis.		
Explain: Why Carbon and Hydrogen are placed in the reactivity series.		
Explain: why it is important that the electrolyte in electrolysis is molten or dissolved in solution.		
Explain: Electrolysis of Aluminium Oxide (Bauxite).		
Define: Neutralisation and production of salt.		
Define: Exothermic and endothermic reactions from their reaction profile graphs.		
Calculate: Bond energies from reaction profile graphs.		
Calculate: Half equations.		
Label: The reactivity series of metals.		
State: The parts of the pH scale.		



Year 10 Science Revision

Equations to learn in this topic:

Displacement reactions such as: Magnesium + Copper Oxide Copper + Magnesium Oxide Acid + Metal Salt + Hydrogen Acid + Metal Oxide Salt + Water Acid + Metal Hydroxide Salt + Water Acid + Metal Carbonate Salt + Water + Carbon dioxide

Key Tern	ns Knowledge Organiser	- Infection and Respon	se Diagrams
nfectious	Describes a pathogen that can easily be transmitted, or an infected person who can pass on the disease.	A medical (Double blind trials do not kno	experiment in which the patient and doctors w who has been given the drug and who
/ector	An animal that spreads a communicable disease.	Dareho A medicine	iven the placebo.
Antibiotic	A group of medicines, first discovered by Alexander Fleming, that kill bacteria and fungi but not viruses.	Phagocytes A type of w	white blood cell that engulf pathogens.
Chitin	A polymer made from sugars that forms the cell walls of fungi and the exoskeleton of insects.	Lymphocytes A type of w Highly spec	vhite blood cell that produce antibodies. cific Y-shaped proteins that are produced by
lyphae	Branching filaments of a fungus that spread out.	Antibodies the immun harming th	e system to help stop intruders from e body.
Valaria	A communicable disease, caused by a protest transmitted in mosquitos, which attacks red blood cells.		
nsecticide	A chemical that kills insects.	N	
ysozymes	Antibacterial enzymes found in your tears to prevent eye infections.	RATIO	ection
Jilia	Tiny hair-like projections from ciliated cells that waft mucus out of the gas exchange system.	ICENT Vaccir	€ Enf
Antigen	A protein on the surface of a pathogen that your antibodies can recognize as foreign.		
Antitoxin	A protein produced by your body to neutralize harmful toxins produced by pathogens.	FIBOD	
/accine	A medicine containing an antigen from a pathogen that triggers a low level immune response so that if you become infected later your body can respond more quickly to the pathogen.	ANT	TIME
Antiseptic	A substance applied to the skin or another surface to destroy pathogens.	Primary antibody resp rises gradually and peaks	onse: the antibody concentration about 2 weeks after vaccination.
Anaesthetic	A drug that stops all pain sensation and can be local or general.	Secondary antibody re rises quickly, and the resp	sponse: the antibody concentration ponse is more intense. The antibody
fficacy	How effective a drug is.	concentration remains hig	ther for longer.

Vou Town	,	V			
Key lerm		Knowledge	Jrganiser – Chemical Change		Diagrams
Reactivity series	An arrangement of m	etals in order of reactivity	sodium Na	<pre>(++) = [++0] = [++0] < [++]</pre>	[он-]
Displacement reaction	Reaction where a more place of a less reactive	re reactive element takes the e element in a compound	calcium Ca magnosium Mg aluminium Al	Acid Neutral Alk	
Oxidation	A reaction in which a oxygen)	substance loses electrons (gains	carbon c zinc Zn	A b b b b b b b b b b b b b b b b b b b	r C h C r 4
Reduction	Reaction in which a si oxygen)	ubstance gains electrons (loses	PB S C	hloric Acid Sode Acid Rai ick Coffer rine/Sallve Pure Wate Sea Wate kling Sode lagnesium Ammonie	apy Wate Bleacl in Cleane
Ore	A rock from which a r	netal can be extracted for profit	copper H Boo	gdroci Bla U Bla Bla	Soi Dra
Acid	Solution with a pH les water	ss than 7; produces H ⁺ ions in	silver Ag gold Au platinum least reactive Pt	H H Ionation	
Alkali	Solution with a pH mo water	ore than 7; produces OH ⁻ ions in	Displacement Reactions		
Aqueous	Dissolved in water				
Strong acid	Acid in which all the r	nolecules break into ions in water	+	Conception Conceptication Conception Conception Conception Conception Concept	
Weak acid	Acid in which only a s break into ions in wat	mall fraction of the molecules er	$AB + C \rightarrow A + BC$	8	
Dilute	A solution in which th dissolved	ere is a small amount of solute		Catnoot	Anode
Concentrated	A solution in which th	ere is a lot of solute dissolved		Cator	
Neutralisation	A reaction that uses u an acid	up some or all of the H ⁺ ions from	Acid + Alkali -> salt + water		Anish
Electrolysis	Decomposition of ioni	c compounds using electricity	Metal + acid -> salt + hydroge	Ŭ O O O O O	
Electrolyte	A liquid that conducts	electricity	Metal oxide + acid -> salt + w	ater Electrosyte	
Discharge	Gain or lose electrons	to become electrically neutral	Metal carbonate + acid -> sal	t + water + carbon dioxide	
Inert	Electrodes that allow	electrolysis to take place but do			
lelectrodes	not react themselves				



Kn	owledge Organiser – Energy Changes	Kn	owledge Organiser – Energy Changes
Evothermic	Reaction where thermal energy is transferred from the	Evothermic	Reaction where thermal energy is transferred from the
reaction	chemicals to the surroundings and so the temperature	reaction	chemicals to the surroundings and so the temperature
reaction	increases	reaction	increases
Endothermic	Reaction where thermal energy is transferred from the	Endothermic	Reaction where thermal energy is transferred from the
reaction	surroundings to the chemicals and so the temperature	reaction	surroundings to the chemicals and so the temperature
I CACUOII	decreases	1 COCION	decreases
Activation	The minimum energy particles must have to react	Activation	The minimum energy narticles must have to react
energy	The Infinitum energy paracles mast have to react	energy	The Initiality energy particles indecided to react
12 DEC 0.0		202	

Kn	owledge Organiser – Energy Changes	
othormic	Reaction where thermal energy is transferred from the	
oution	chemicals to the surroundings and so the temperature	
	increases	
datharmia	Reaction where thermal energy is transferred from the	

	e ana equ		
Positive ion	o,	Negative ion:	S
Name	Formula	Name	Formula
ator Hydrogen	H,	Chloride	Q
Sodium	Na ⁺	Bromide	Br-
Silver	Ag⁺	Fluoride	۲
Potassium	×,	Iodide	-
Lithium	Ę	Hydroxide	OH-
Ammonium	NH4 *	Nitrate	NO3-
Barium	Ba ²⁺	Oxide	02-
th water) Calcium	Ca ²⁺	Sulfide	S 2-
Copper(II)	Cu ²⁺	Sulfate	SO4 2-
Magnesium	Mg 2+	Carbonate	CO3 ²⁻
Zinc	Zn 2+		
Lead	Pb 2+	HcH	Equations
Iron(II)	Fe ²⁺	11011	Lynarions
Iron(III)	Fe ^{3*}	Fe _{bil} + Ci	u ²⁺ → Fe ²⁺ + Cu ₆₀
Aluminium	AI 3+		
		Oxidation Hair-Equation	on:
arbon dioxide		re(s)	→ re*" + 2e
		Reduction Half-Equation	Ħ
		Cu ²⁺ (aq))+2e ⁻ → Cu(s)
	tor Positive ion Name Name Hydrogen Sodium Silver Potassium Lithium Barium Calcium Calcium Zinc Lead Iron(II) Iron(III) Aluminium	Positive ions Itor Name Formula Hydrogen H+ Sodium Na* Silver Ag* Potassium Li* Potassium Li* Ag* Barium Ba* Calcium Calcium Calca Pb* Iron(II) Cu Pb* Pb* Iron(III) Fe Pb* Aluminium Al ³ * arbon dioxide A Aluminium Al ³ Aluminium Al ³	Positive ions Negative ion Name Formula Name Name Formula Name Hydrogen H+ Chloride Sodium Na+ Bromide Silver Ag+ Fluoride Potassium K+ Iodide Lithium Li+ Hydroxide Ammonium N4+ Bromide Barium Ba²+ Iodide Calcium Ca²+ Sulfide Copper(II) Cu²+ Sulfide Zinc Zn²+ Sulfide Zinc Zn²+ Sulfide Zinc Zn²+ Sulfide Aluminium Al³+ Oxidation Half-Equatic Fei+ C Aluminium Al³+ Oxidation Half-Equation Fe(s) Reduction Half-Equation Cu²+ (a

Diagrams



2	What I must know (be able to describe D) and explain importance (E)	٢	<u></u>	;;
	The Weimar Republic 1918-29			
	The Legacy of WW1, Abdication, Armistice and Revolution,1918-19			
	The Weimar Republic: Strengths and Weaknesses			
	Reasons for the early unpopularity of the Republic: 'stab in the back' theory and Treaty of Versailles			
	Political Threats – Left and Right: Spartacists, Freikorps and Kapp Putsch			
	The Challenges of 1923: hyperinflation and the Invasion of the Ruhr			
	Reasons for economic recovery: Stresemann, Rentenmark, Dawes and Young Plan			
	The impact of Stresemann on foreign affairs: Locarno, League of Nations and the Kellogg-Briand Pact.			

e P	Vhat I must know (be able to describe D) and explain importance (E)		•••	6
	Hitler's Rise to Power 1919-33			
	The Early Years of the Nazi Party 1919-20			
	The early growth and features of the Party. The 25 Point Programme and role of SA			
	The reasons for, events of and consequences of the Munich Putsch			
	Reasons for limited support for the Nazis, 1924-28: Party reorganisation, Mein Kampf and Bamberg Conference of 1926			
	The growth of unemployment causes and impact. Weimar governments reactions. Communist growth			
	Reasons for the growth in support of the Nazi Party: Appeal of Hitler, propaganda and work of SA			
	Political developments in 1932: Hindenburg, Bruning, von Papen and von Schleicher			

What I must know (be able to describe D) and explain importance (E)	
Nazi Control and Dictatorship 1933-39	
The Reichstag Fire and the Enabling Act	
The threat from Rohm and the SA. The Night of the Long Knives and the death of Hindenburg. Fuhrer and Army Oath	
Role of the Gestapo, SS, SD and concentration camps	
Nazi control of the legal system, judges and law courts	
Nazi policies towards Catholics and Protestants	
Goebbels, censorship, media, rallies and sport	
Nazi control of culture and the arts	
Opposition to the regime: Churches and Niemoller. Swing Youth and Eidelweiss Pirates	

What I must know (be able to describe D) and explain importance (E)	 	
Life in Nazi Germany 1933-39		
Nazi views on women and the Family		
Nazi policies towards women: marriage, family, employment and appearance		
Nazi aims and policies towards the young: Hitler Youth and the League of German Maidens		
Nazi control of youth through education, curriculum and teachers		
Nazi policies to reduce unemployment: labour service, autobahns, rearmament and invisible unemployment		
Changes in the standard of living: The Labour Front, Strength Through Joy, Beauty of Labour		
Nazi racial beliefs and the treatment of minorities: Slavs, gypsies, homosexuals and those with disabilities		
The persecution of the Jews: Boycotts, the Nuremberg Laws and Kristallnacht		

		KT1: The Weimar Repu	iblic, 1	918-29	Ιŭ
The W	eimar Repu	blic	Key V	lords	
1	This was the November	e name given to Germany after the Kaiser had abdicated in 1918. This was a time of despair and hope for Germany. At	17	Abdication	When a
	first, the o	ountry faced lots of chaos but under Gustav Stresemann, there	18	Republic	Acou
	was some	stability.	19	Ebert	The fi
Key ev	ents			-	
2	1918 Worl	d War One ended. The Kaiser abdicated and Germany became	20	Stresemann	The
	a country v	vithout a monarch (a Republic).	21	Article 48	井
ω	1919 Janu	ary Spartacist Uprising			2
4	1919 June	Signing of the Treaty of Versailles	3	V-1	
5	1919 Augu	st Weimar Constitution finalised	12	Naiser	
σ	1920 Kapp	Putsch	23	Armistice	
7	1923 Fren	h occupation of the Ruhr and hyperinflation	24	Weimar	
60	1924 Davy	es Plan			
9	1925 Loca	no Pact	25	Constitution	_
10	1926 Gern	any joins League of Nations			_
11	1928 Kello	gg Briand Pact	Γ		
12	1929 Youn	g Plan	26	Reichstag	
Key Co	oncepts		Ì		_
13	The Weim	ar Republic faced much opposition, It was disliked by the left	27	Gewaltfrieden	-
	wing who	vanted Germany to be like Communist Russia and it was	28	Freikorps	_
	disliked by	the right wing who wanted the monarchy back.			_
14	The Treaty	of Versailles caused many problems for Germany. The	29	Rentenmark	
	German pe	ople disliked the politicians for signing it and it caused oblems and economic problems.	30	Hyperinflation	
15	Gustav Str	esemann helped to bring about recovery in Germany after	ļ		
	1924. He s	olved economic problems by making friends with other	32	Young Plan	
	extent of t	his recovery.		4	
16	The Golde	n Age was the period from 1924-29 and it saw significant	ŭ	Versailles	
		contraite, the standard of hypergrand are position of women.	34	Locarno Pact	
			35	Kellogg Briand Pact	
			36	Coalition	_

100000000000000000000000000000000000000	Knowledg
KT2: Hitl	e Organise
ler's Rise to	er: Weimai
o Power, 1	r and Nazi
919-33	Germany
Constant in the second	1918-39

Г				
Hitler	's Rise to Power	Key V	Vords	
P	Hitler sets up the Nazi Party in 1920 and becomes Chancellor in January	18	NSDAP	The Nazis
	1933. This happens for a variety of reasons – Hitler's strengths, inbuilt	19	Iron Cross Award	Given for bravery in war?
	problems of the Weimar Republic, and the weaknesses of others.	20	Volk	The notion of pure German people
Key e	vents	21	25 Point Programme	The political manifesto of the Nazi Party
2	1919 Hitler joins the German Worker's Party	22	Volkischer Beobachter	People's Observer, a Nazi newspaper
ω	1920 Hitler sets up the Nazi Party	23	Fuhrerprinzip	Belief that one person should run a Party
4	1921 Hitler introduces the SA	24	Swastika	Emblem of the Nazi Party
S	1923 The Munich Putsch	25	SA or Sturmabteilung	Private army of the Nazi Party headed by
σ	1925 Mein Kampf published	Γ		Himmler
7	1926 Bamberg Conference	26	Aryan	Pure German people
60	1928 Nazis win 12 seats in Reichstag	27	Anti-Semitism	Hatred of the Jewish people
9	1929 Death of Stresemann and Wall Street Crash	28	Mein Kampf	Hitler's autobiography
10	1930 Nazis win 107 seats in Reichstag	29	Putsch	An attempt to get power illegally
11	1932 July Nazis win 230 seats in Reichstag	ö	Blood Martyrs	16 Nazis who died at the Munich Putsch
12	1932 November Nazis win 196 seats in Reichstag			
13	1933 January Hitler becomes Chancellor	31	Gaue	Local party branches
Key C	oncepts	32	SS or Schutzstaffel	Hitler's bodyguards
14	The Munich Putsch is a significant event. Although a failure, Hitler	×	KPD	German Communist Party
	gained publicity, ne wrote wien sampr and ne realised that it ne was to win power, he needed to do this by votes and not by force.	34	Propaganda	Goebbels attempted to make people think in a certain way
5	Stable Stresemann caused problems for the popularity of the Nazi Party. When times were good, voters were not attracted to the Nazi policies.	35	Hindenburg	The President of the Republic from 1925 to 1934
16	The Wall Street Crash was a major turning point in the fortunes of the Nazi Party. The Nazi message did not change but people were now prepared to hear it.	36	Roter Frontkampferbund	The Communist's own private army
17	The Backstairs Intrigue - At a time when Nazi popularity at the polls was decreasing, Hitler was handed power by political elites who feared a Communist take over and Civil War.			

	Knowledge Organiser: Wei KT3: Nazi Cont	imar an trol and	nd Nazi Germany 191 1 Dictatorship	<u>8-39</u>
Nazi C	ontrol and Dictatorship	Key V	Vords	
1	This was a time when Hitler formed a legal dictatorship and put in place	15	Marinus van der	The Reichstag Fire was blamed on this
	Germany people to support Nazi ideals.	16	Enabling Act	Gave the Nazis full power for the next
		17	Gleichschaltung	Hitler's attemnt to bring German socie
Key ev	vents	ţ	Cherciscian	with Nazi philosophy
2	1933 January Hitler becomes Chancellor	1		
ω	1933 February Reichstag Fire	to	(DAF)	Set up to replace indue onlights
4	1933 March Nazis win 288 seats	19	Dachau	First concentration camp
5	1933 March Enabling Act passed	20	Centralisation	Germany had been divided into distric
6	1933 July Nazis become the only legal party in Germany	21	Purse	To set rid of opposition
7	1934 June Night of the Long Knives	3	Gestano	Serret notice headed by Goering
00	1934 August President Hindenburg dies	1	Ninke of the lane	Contraction interest and external pro-
9	1934 August Hitler combines the post of Chancellor and President and	Ľ	Knives	Removal on internal and external oppo
ŝ		24	Sicherheitsdienst (SD)	The intelligence body of the Nazi Party
DT O	1934 August German army swears allegrance to Hitler	25	Concordat	In July 1922 the Pone spread to stay of
11	1938 Over the course of the year, Hitler removes 16 army generals from their positions	0	Concordat	matters if the Nazis did not interfere w
Key Co	oncepts	26	Eidelweiss Pirates and	Groups who apposed the Hitler Youth
12	Removal – From 1933 to 1934, Hitler removed all opposition and established himself as Fuhrer.	77	Swing Youth	Followed traditional German Protecta
13	established nimself as Fuhrer. Control – There was an attempt to control and influence attitudes. This was done by propaganda and terror.	27	Confessional Church	Followed traditional German Protesta refused to allow the Nazification of re Pastor Martin Niemoller
14	Opposition - The youth and the churches opposed the regime.	28	Mit Brennender Sorge (With Burning Concern)	The Pope wrote to priests in Germany concerns over the Nazi attempts to co

_	Knowledge Organiser: Weim KT4: Life in Nazi	tar and Germa	l Nazi Germany 1918 any, 1933-39	<u>-39</u>
Life	in Nazi Germany	Key W	/ords	
4	The lives of German citizens were changed after Hitler's appointment as Chancellor. For some, life was better under the Nazis but for	t	Kinder, Kuche, Kirche	Children, Kitchen, Church. This summed up the Nazi ideal of womanhood
	others, it was much worse.	14	The Motherhood	Given to women for large families
Key	events		Cross Award	
Ν	1933 Boycott of Jewish shops and businesses. Law for the	15	Lebensborn	Where unmarried women were impregnated by SS
3	Encouragement of Marriage. Sterilisation Law passed.			men.
ω	1935 The Nuremberg Laws were passed.	16	Napola	Schools intended to train the future leaders of
4	1935 Conscription introduced.	17	Nazi Teachers League	All teachers had to swear an oath of loyalty to the
IJ	1936 Membership of the Hitler Youth made compulsory.		2003	Nazis
σ	1938 Jewish children were not allowed to attend German schools. Lebensborn programme introduced. Kristallnacht.	18	Reich Labour Service	A scheme to provide young men with manual labour jobs
٢	1939 The euthanasia campaign began. Designated Jewish ghettos established.	19	Invisible	The Nazi unemployment figures did not include
Key	Concepts			25
θ	Anti-Semitism – Persecution of the Jews grew continuously after	20	Autobahn	Motorway
	1933.	21	Rearmament	Building up the armed forces I readiness for war
10	Young- The Nazis placed much emphasis on controlling the young as	22	Volksgemeinshaft	The Nazi community
	only then could they secure a 'thousand year Reich'. Youth organisations and education indoctrinated the German youth.	23	Strength Through Joy	An attempt to improve the leisure time of German workers
Ħ	Women – The Nazis had traditional family values but even these	24	Beauty of Labour	Tried to improve working conditions of German workers.
	were tested by the needs of war and the desire to ensure a growing Aryan population.	25	Volkswagon	People's car
12	Living Standards – The Nazis did reduce unemployment but they did	26	Eintopf	A one pat dish
	this by banning Jews and women from the workplace and by putting Germany on a war footing. Workers had limited rights.	27	Herrenvolk	The master race or the Aryans
		28	Nuremberg Laws	Jews were stripped of their citizenship rights and marriage between Jews and no Jews was forbidden
		29	Kristallnacht (Night of	A Nazi sponsored event against the Jewish

the Broken Glass)

community
Geography



Year 10 Geography Revision: Living World – Ecosystems, Rainforests and Cold Environments

What I Must Know- Ecosystems exist at a range of scales and involve the interaction between biotic and abiotic components.	Ċ	<u></u>	
Know what the following are in a food chain/food web: producers, consumers, decomposers			
Know what nutrient cycling is			
For a small scale UK ecosystem (pond) know a food web and some components			
For a small scale UK ecosystem (pond) know how humans can impact it			
Can work out/explain how changing one impact on the ecosystem (e.g. decreasing the amount of nutrients in the soil) changings other components (e.g. knock on effects in the food chain).			
Know what a biome is and how many there are			
Can describe the likely characteristics of a biome based on where it is located.			



Year 10 Geography Revision: Living World – Ecosystems, Rainforests and Cold Environments

What I Must Know- Tropical rainforest ecosystems have a range of distinctive characteristics.	•	:)	:(
Know the climate of a tropical rainforest.			
Know the broad locations of the tropical rainforests			
Know the layers of a tropical rainforest.			
Know what the soils of the rainforest are like and why			
Can describe relationships between climate, water, soils, plants, animals and people in the rainforest.			
Explain how specific plants have adapted to the physical conditions.			
Explain how specific animals adapted to the physical conditions.			
Know what biodiversity is and why it is important in the rainforest.			



Year 10 Geography Revision: Living World – Ecosystems, Rainforests and Cold Environments

What I Must Know- Deforestation has economic and environmental impacts.	•••	•	•••
Can describe from a graph how deforestation rates have increased and decreased			
For the Amazon rainforest know the following:			
•• causes of deforestation with examples – subsistence and commercial farming, logging, road building, mineral extraction, energy development, settlement, population growth			
 impacts of deforestation with examples economic development, soil erosion, contribution to climate change. 			



Year 10 Geography Revision: Living World – Ecosystems, Rainforests and Cold Environments

What I Must Know- Tropical rainforests need to be managed to be sustainable.	•	•	
Can explain why tropical rainforests are important to protect for people			
Can explain why tropical rainforests are important to protect for the environment.			
Can describe and assess the sustainability and effectiveness of the rainforest management strategies of: selective logging and replanting.			
Can describe and assess the sustainability and effectiveness of the rainforest management strategies of: conservation and education.			
Can describe and assess the sustainability and effectiveness of the rainforest management strategies of: ecotourism.			
Can describe and assess the sustainability and effectiveness of the rainforest management strategies of: debt reduction			

What are Natural Hazards?

Natural hazards are physical events such as earthquakes and volcances that have the potential to do damage humans and property. Hazards include tectonic hazards, tropical storms and forest fires.

What affects hazard risk?

do not have the money to particularly at risk as they Global climate change protect themselves Population growth Wealth - LICs are Deforestation



Structure of the Earth

The earth has 4 layers

The outer core The inner core The mantle

The crust

fragments called tectonic plates Continental (old and thicker but There are 2 types: Oceanic (thir and younger but dense) and The crust is split into major less dense)

These plates move and where they meet you get tectonic activity (volcances and earthquakes)



There are 2 theories of why plates ridge push, slab pull. move: convection currents and

other (destructive margin) away next to each other (conservative) from each other (constructive) or Plates either move against each

Earthquakes and Volcanoes

Volcanoes

Earthquakes

Destructive margins - an causes oceanic plate to melt oceanic plate subducts under a Constructive margins - Hor and pressure forces magma up continental plate. Friction Shield volcanoes plates e.g., loeland, Forms magma rises between the

> Destructive margins - violent small earthquakes as plates Constructive margins - usually

pull apart.

catch and then as pressure Conservative margins - plates earthquakes as pressure build: Andreas fault. builds it is released e.g. San slide past each other. They and is then released

e.g. the Pacific Rim to form composite volcanoes

Effects of Tectonic Hazards

a result of the primary effects and are therefore often slightly later. Primary effects happen immediately. Secondary effects happen as

Primary - Earthquakes

Business reduced as money

Secondary - Earthquakes

Blocked transport hinders emergency services spent repairing property

1500 injured

300 deaths

People injured or killed Property and buildings

destroyed

Ports, roads, railways

pagemen

Broken water pipes lead to a Broken gas pipes cause fire lack of fresh water

collapsed

Pipes (water and gas) and

electricity cables broken

AQA

Afte Bro Bro

City

Unit 1

The challenge of Natural Hazards

Responses to Tectonic Hazards

- Immediate (short term
- Rescue teams search for Issue warnings if possible
- SULLINGUES
- **Ireat injured**

Restore utilities

Resettle locals elsewhere

standards

Improve building regulations

properties and infrastructure Repair and re-build

over 20 000

New settle

Most of cit Investigatio

Long-term

- Provide food and shelter,
- food and drink
- **Recover bodies**
- **Extinguish fires**





HIC, GNI per capita \$32,790 L'Aqulla, April 2009 LIC, GNI per capita \$730 Gorka, Nepal, April 2015 Magnitude: 7.8

Magnitude 6.3 Primary Effects

10,000 - 15,000 buildings 60 000 people homeless 1 million people homeless 8,841 deaths Tower (UNESCO site) destroyed 7,000 schools, 26 hospitals and Dharahara

Secondary Effects

ruined, causing food shortages	centre businesses closed
Irrigation channels destroyed and rice seed	Islides
Tourism employment and income declined	ken waterpipes led to
people evacuated in case of flooding	apsed buildings
Landslides blocked Kali Gandaki River so	s caused damage in
Mount Everest	cult
Landslides and avalanches killed 19 on	rshocks made rescue more

Immediate Responses

d army	International aid requested: 500,000 tents provided, field hospitals set up and UN/WHO sent medical supplies
	and UN/WHO sent medical supplies
r gas,	Rescues from Mount Everest via helicopter
le who	Facebook launched I'm safe safety feature

to area to help victims

Ambulances, fire services an Camps set up for homeless

Government money to repair

Free mobile phones to peop

had lost homes

electricity

Long term responses

nents built to house	\$274 million aid money committed
residents	Lakes and river valleys cleared of
/ rebuilt	landslide material
n into building	Stricter building controls enforced
	New Everest trekking routes opened
	and permits extended
	Agricultural training provided

	A land	a g	R
Reinforced buildings and making buildin	Protection	Seismometers measure earth movemen Volcanoes give off gases	Manitoring

Automatic shut offs for gas and electricity toundations that absorb movement 3

1

Training for emergency services and planned evacuation routes and drills Avoid building in at risk areas

COLUMN STREET

By observing monitoring data, this can allow evacuation before event

Prediction

prepared and struggle to react effectively

LICs suffer more than HICs from natural disasters because they are not as

Global atmospheric circulation

At the equator, the sun's rays are most concentrated. This means it is



Conversion O 1994 Vin. an introduction to the World's Oneans, 4/a printers, Dubuses, lows

Low pressure = wet High pressure = dry

causing high pressure. Winds move from high pressure to low pressure. They curve because of the Coriolis effect (the turning of the Earth) As the air heats it rises - causing low pressure. As it cools, it sinks,

iropical storms

between summer and autumn equator. Ocean temperature needs to be above 27 degrees C. Happen Occur in low latitudes between 5 and 30 degrees north and south of



storms

Climate change will affect tropical storms too. Warmer oceans will lead to more intense storms - but not necessarily more frequent ones

Sequence of a Tropical Storm

- Air is heated above warm tropical oceans
- 4 M W Strong winds form as rising air draws in more air and moisture causing Air rises under low pressure conditions
- torrential rain
- M A Air spins due to Coriolis effect around a calm eye of the storm
- Cold air sinks in the eye so it is clear and dry
- .0 Heat is given off as it cools powering the storm
- 1 On meeting land, it loses source of heat and moisture so loses power.



Monitoring wind satterns allows path to be predicted. Use of satellites to monitor satellites to monitor	Prediction	Immediate Respons	Primary Effects	
Avoid building in high risk areas Emergency drills Evacuation routes	Planning	Long	Se	Hurricane Katrina
Reinforced buildings and stilts to make safe from floodwater Flood defences e.g. levees and sea walls	Protection	-term Responses	condary Effects	1

Extreme weather in the UK

Snow & Ice - causes injuries and disruption to schools and business Rain - can cause flooding damaging homes and business

Hoil - causes damage to property and crops Destroys farm crops

Drought - limited water supply. Can damage crops

Auntur Wind - damage to property and damage to trees potentially leading to

Heat waves - causes breathing difficulties and can disrupt travel. Thunderstorms - lightening can cause fires or even death

increased 1 degree and winter rainfall has increased. leading to more flooding events. Since 1980 average temperature has Temperatures are more extreme and rain is more frequent and intense UK weather is getting more extreme due to climate change -jer

November 2012 – Newcastle Floods

extreme event. Newcastle received over one months rainfall in just two hours in this

Social Effects

- Homes flooded
- Health risk as river water contaminated with sewage

Economic Effects

Businesses closed that didn't reopen for long afterwards

Environmental Effects

- Rail network came to a halt

Trees carried away damaging local ecosystems and habitats

Responses and Management Strategies

Contaminated river water Landslides triggered

- Millions cost of damage repair

Climate Change – natural or human?

Evidence for climate change shows changes before humans were on the since the 1970s is unprecedented. Humans are responsible - despite planet. So some of it must be natural. However, the rate of change what Mr Trump says!

Causes

Human

Natura

- elliptical its axis is tilted on an changes as the Earth's orbit is energy on the Earth's surface Orbital changes - The sun's Agriculture - accounts for of greenhouse gases dioxide with accounts for 50% Fossil fuels - release carbon
- growing demand for met and production from cows etc. gases due to methane around 20% of greenhouse Larger populations and

Solar Output - sunspots

increase to a maximum every

11 years

Deforestation - logging and rice increase contribution

aerosols reflect sunlight away Volcanic activity - volcanic

reducing global temperatures

temporarily

carbon through clearing land for agriculture ability to planet to absorb atmosphere and reduces increases carbon dipoide in the photosynthesis

Evidence for Climate Change

The Met Office has reliable climate evidence since 1914 - but we can tell what happened before that using several methods.

Ice and Sediment Cores

Tree Rings

- Remains of organisms found in over the last 400 000 years. If you drill down you can Ice sheets are made up of cores from the ocean floor can of ice for the past. Ice cores analyse gases trapped in layers layers of snow - one per year from Antarctica show changes
- by traced back 5 million years

Pollen Analysis

- Pollen is preserved in conditions need different climatic sediment. Different species

Temperature Records

Historical records date back to the 1850s. Historical records weather reports. also tell us about harvest and

Global Temperature, 1880 - 2014

Land - Ocean Index: 1951-1980 Base



Unit (CRU), prepared by ProcessTrends.com, updated by globalissues.org Source: Goddard Institute for Space Studies (GISS) and Climate Research

Effects of Climate Chang

Environmental

Social

- Winter deaths decrease with Increased disease e.g., skin cancer and heat stroke
- Crop yields affected by up to milder winters increase in Northern Europe 12% in South America but will
- Less ice in Arctic Ocean but will need more irrigation increases shipping and
- Droughts reduce food and extraction of oil and gas reserves
- Increased flood risk. 70% of water supply in sub-Saharan Africa. Water scarcity in South and South East UK
- Declining fish in some areas flooding Asia is at risk of increased

This gives us reliable evidence each year. Rings are thicker in A tree grows one new rind

warm, wet conditions

for the last 10 000 years

Skiing industry in Alps Increased extreme weather affect diet and jobs





- Coral bleaching and decline in disease and forest fires experience more pests,
- Barrier Reef (Australia) biodiversity such as the Great



CO₁ Storage

Reservoir Rock

Mitigation

Managing Climate Change

Alternative energy production but they can be expensive and are renewable sources will last longer

- Planting Trees helps to remove biodiversity is still threatened However land may be limited and to increase carbon storage by 28% carbon dioxide. Has the potential less reliable than fossil fuels
- Carbon Capture takes carbon planted unless a wide range of trees are
- of renewable energy resources cap rock. It can reduce capture of and stores it underground under a dioxide from the emission sources Also it discourages development would escape in the long term. unclear if the captured carbon However, it is very expensive and up to 90% of carbon dioxide.
- International Agreements legally binding (Paris 2015) targets will only be met if they are countries to accept their industrialise and getting richer LICs. However, poorer countries argue that they need to Financial support is needed for

ice melts threaten habitats of

polar bears

Sea level rise leads to flooding

Borneo and Indonesia shortages for orangutans in

and coastal erosion

Lower rainfall causes food

Mediterranean region

Increased drought in



Adaption

- rainfall and temperature patterns Changes in agricultural systems and changing threat of disease and who tend to be most affected pests. This is hard for poor farmers needed to react to changing
- by installing water efficient devices Managing water supplies - e.g. There is an increasing threat of and increasing supply through things like desalination plants.
- constructing defences such as the Reducing risk - reducing risk from buildings on stilts. These are mangrove forests, or raising Thames Flood Barrier or restoring rising sea levels would involve political stability
- expensive and possibly only short term measures.



	Vocabulary Kev terms and definitions
Abiotic	Related to non-living things
Biome	Very large ecological areas on the earth's surface, with fauna and flora (animals and plants) adapting to their environment.
Biotic	Related to living things
Consumer	A living thing in an ecosystem that gets its energy and the raw materials it needs by eating plants or other animals that have eaten plants.
Decomposer	An organism or plant, e.g. a soil bacterium, microbes, fungus, or invertebrate, which decomposes organic material in an ecosystem.
Ecosystem	An environment containing a community of interdependent plants and animals. It is made up of two parts - living (biotic) factors and non-living (abiotic) factors.
Food chain	A chain with three or four links between plants and animals in an ecosystem that rely upon one another as their source of food.
Food web	A complex web of different food chains between plants and animals in an ecosystem.
Nutrient	A substance that provides nourishment essential for the maintenance of life and for growth.
Producer	A plant in an ecosystem that converts energy from the sun in a process called photosynthesis to produce sugars (glucose).
Did you know? 99% shoots, and stems o nutritional value, so fibrous plant a day.	of a giant panda's diet is comprised of the leaves, f bamboo. Bamboo doesn't have a lot of pandas have to eat 26 to 83 pounds of the tough,

Knowledge Organiser GCSE Topic: Ecosystems

Challenges and Concepts

spread through the Earth's ecosystems and the damage we climates and vegetation. You will learn how humans have some very large ecosystems (biomes) with different each other an their non-living environment. The Earth has You will learn that in an ecosystem living things depend on have done.

World biomes



Changes affecting ecosystems

Did you know? The most adaptable species on the planet are on effects on the ecosystem: Changing one component has been changed it can have serious knock-Extreme weather events such as droughts can be devastating to ponds Local scale change, such as changes to a habitat - e.g. when a hedge is Global scale changes, such as climate change. the rest of the ecosystem. balance, if there is a change to one of the components, it may well affect Ecosystems take hundreds of years to develop. Ecosystems need to be in agricultural fertilisers can lead to eutrophication Human changes: Fish starved of axygen might not survive Plants will dry out and die and lakes. Natural changes removed. Causes of change: ponds may be drained to use for farming.

Ecosystems

and the environment. There are often complex An ecosystem is a natural system made up of plants, animals

interrelationships between the living and non-living different scales: components of an ecosystem. Ecosystems can be identified at



hedge or woodland.



biomes ecosystems are called forest. The global rainforest or deciduous

Food Chains and Webs

A food chain shows the connections between different organisms (plants and animals they rely on one another as their source of food.



A food web is a complex hierarchy of plants and animals relying on each



http://www.s-cool.co.uk/gcse/geography/ecosystems/revisehttp://www.bbc.co.uk/nature/adaptations t/what-is-an-ecosystem

Further Research:

humans – they can be found in every ecosystem in the world.

Did you know? the world's plan	Under canopy	Tropics	Shrub layer	Lianas	Epiphytes	Emergents	Canopy	Buttress roots	Biodiversity	
TRFs are home to more than half of nt and animal species.	The second level up. There is limited sunlight. Saplings wait here for larger plants and trees to die, leaving a gap in the canopy which they can grow into.	The part of the Earth that lies between the Tropic of Cancer (23.5°N) and the Tropic of Capricorn (23.5°S).	The bottom layer of the rainforest. It is dark and gloomy with very little vegetation between the trees. During heavy rainfalls this area can flood.	Thick vines that have their roots in the ground and loop around trees to reach sunlight.	An organism that grows on the surface of a plant and derives its moisture and nutrients from the air, rain, water or from debris accumulating around it.	The tops of the tallest trees in the rainforest. These are much higher, and so are able to get more light than the average trees in the forest canopy.	Where the upper parts of most of the trees are found. The canopy is typically about 65 to 130 feet (20 to 40 metres) tall. This leafy environment is home to insects, arachnids, birds and some mammals.	Large roots that grow above the ground to support tall trees.	The variety of life in the world or a particular habitat.	Vocabulary (ey terms and definitions
Di	Buttresses - masserv ridges thelp support the base of the tail trates and base of the tail trates and help transport water. May earned by trees into the carried by trees into the carried by trees into the carried by trees into the carried by trees into the fa base of the surface area increasing the surface area	and ground layer and ground layer Thin, smooth bark on types to allow water to go down easily go down easily the cancey to a some nutrieght – they obtain the cancey to a some the cancey to a some nutrieght – they obtain the cancey the cancey to a some nutrieght – they obtain the cancey the cancey to a some nutrieght – they obtain the cancey to a some the cancey the cance	Lower tree cacopy Plants called epiphytes can live on branches hig fo	Middle canopy	Top canopy	cul-compete coner out-compete coner rees to reach surfight – such trees are called emergents are called emergents	Fast-growing trees that they can turn free they are located in the world will also learn how plants and animals adapt to the physic conditions.	characteristics of Tropical rainforest ecosystems and the interdependence of climate, water, soils, plants, animals a	Challenges and Concepts You will learn about the range of distinctive physical	Knowledge Organiser Topic: Tropical Rainforests p1
d you know? On average, 130 specie tinct each day	fertile and vulnerable to erosion. the rainforest is cleared for agriculture rmland, as the soil will not be rich in n	rovides plentiful nutrients that are easi owever, as these nutrients are in high c st-growing plants, they do not remain i se surface of the soil. If vegetation is rep	eats up, the water evaporates into the lake the next day's rain. This is convecti ainforest nutrient cycle he rainforest nutrient cycling is rapid. The rest floor allow for the rapid decomposition	hese factors give rise to a unique water ainforest water cycle he roots of plants take up water from the tercepted as it falls - much of it at the c	ainforest water and nutrient cycles ainforest ecosystems are characterised gh humidity, lushness of vegetation an	A thousand years ago, tro much as 14% of the earth than 6%. TRFs are an inva responsible for 20% of the	al Equator Topic of Cupricon	Ind		

nichibudio 2 Į. al Rain Forests



pical rainforests covered as e world's rainfall luable source of freshwater -'s surface. Today they cover less

by heavy convectional rainfall, and nutrient cycle. d nutrient-rich but shallow soil.

ional rainfall. atmosphere and forms clouds to canopy level. As the rainforest he ground and the rain is

in the soil for long and stay close to moved, the soils quickly become demand from the rainforest's many ly absorbed by plant roots. sition of dead plant material. This he hot, damp conditions on the

it will not make very good utrients.

is of plants and animals become ----------

Vocabulary Key terms and definitions	Knowledge Organiser Topic: Tropical Rainforests p2	Vocabulary Key terms and definitions
Commercial Farming to sell produce for a pr farming retailers or food processing con	ofit to panies. Challenges and Concepts	Slash and burn Land is cleared and the vegetation
Debt Countries are relieved of some debt in return for protecting the rainforests.	You will learn how TRFs are at risk through a range of factors. how they have been damaged and what communities can do to become more sustainable.	Soil erosion Removal of topsoil faster than it can
Deforestation The chopping down and remove trees to clear an area of forest.	I of Humans intervene in tropical rainforests in order to bring real or imagined	and wind action), animal, and human activity. Topsoil is the top
Ecotourism Responsible travel to natural an conserves the environment, sus the wellbeing of the local peopl	e, and benefits to themselves or the local population. The short-term benefits of clearing rainforest areas include: • and • land for agriculture, houses and roads	layer of soil and is the most tertile because it contains the most organic, nutrient-rich materials.
may involve education. It is usu carried out in small groups and minimal impact on the local ecosystem.	 Jobs for local workers in road building, logging, agriculture, mining and construction the generation of income (often in valuable foreign currency) for the LEDC when wood, minerals, and other resources are sold scientific investigation into rainforest plants may provide new food 	Subsistence A type of agriculture producing food and materials for the benefit only of the farmer and his family.
Logging The business of cutting down tr transporting the logs to sawmil	ees and sources and medicines s. These benefits, however, come at a cost:	Sustainability Actions and forms of progress that meet the needs of the present
Mineral The removal of solid mineral re extraction from the earth. These resource include ores, which contain commercially valuable amounts metals, such as iron and alumin	 clearing rainforest threatens the survival of many plant and animal species can lead to serious environmental degradation widespread deforestation damages the whole biosphere (the balance of living and non-living things) with serious long-term consequences 	without reducing the ability of future generations to meet their needs.
precious stones, such as diamor building stones, such as granite solid fuels, such as coal and oil	ds; and hale.	football field is destroyed every second.
Selective The cutting out of trees which a logging mature or inferior, to encourage growth of the remaining trees i forest or wood.	re Amazon Rainforest the spreads over 9 territories, 8 of which are countries. 60% of the forest is Living susta ACRE • Restoring • Sustaina a particu	nably in the rainforest: Case study: Acre, Brazil. clude: the cleared areas le (selective) logging - trees are only felled when they reach ar height. This allows young trees a guaranteed life span and
Did you know? The Amazon Rainforest is twice size of India - It is bigger than all of the other rainforests combined.	the in Brazil. Pacific Ocean Ocean Afforesta they are	I will regain full maturity after around 30-50 years. I - ensuring those involved in exploitation and management est understand the consequences behind their actions. tion - the opposite of deforestation. If trees are cut down, enlared to maintain the randow
Further Research: http://www.bbc.co.uk/schools/gcsebitesize/geogra	Using in Brazil nu	s.
http://www.bbc.co.uk/schools/gcsebitesize/geogra	 Monitori 	ng - use of satellite technology and photography to check
http://www.bbc.co.uk/education/clips/z3pf6fr http://www.s-cool.co.uk/gcse/geography/ecosyste	ms/revise-it/tropical-rainforests sustainal	activities taking place are legal and follow guidelines for ility.

Design and Technology (Engineering)



What I Must Know	•	••	
Describe – the function of parts of a product			
Describe – the impact of modern technology on products			
Describe – the terms CAD/CAM and their advantages			
Identify – materials and classifications			
Identify – methods of permanently joining materials			
Identify – reasons for surface finishes to metals			
Identify – material properties and explain the reason			0
Explain – the advantages of using specific materials			0
Explain – the term composite materials and the advantages/disadvantages of composite materials			
Explain – the use of engineering drawing conventions			
Interpret – use an orthographic drawing to produce an isometric drawing			
<u>Calculate</u> – the volume of a cylinder			

10 DT Engineering Revisio

Key term	Description	Be able to convert orthographic drawings to isometric drawings and vice versa	
Ferrous metals	A metal containing iron, meaning it is prone to rusting and is magnetic. Common ferrous metals include cast iron – used for heavy castings such as vices and anvils, wrought iron – used for gates and railings, mild steel – used for a range of products including car body panels, high carbon steel – used for cutting tools	and vice versa	
Non ferrous metals	A metal that does not contain iron so can not rust, however can corrode. Common non ferrous metals include aluminium – used for foil and food packaging, copper – used for pipes and electrical wiring, brass – used for electrical fittings and decorative items such as door handles, gold – used to make jewellery.	ISOMETRIC SHAPE	
Alloys	Alloys are the combination of two or more metals to produce a new metal with improved properties. Common alloys include stainless steel – used for cutlery and surgical instruments, titanium – used in joint replacements, duralamin – used in aircraft bodies.		
Thermoplasti cs	Thermoplastics are those polymers that when heated become soft and malleable, this allows them to be shaped or formed using processes such as injection moulding and vacuum forming. Common thermoplastics include acrylic – used in car light covers, high impact polystyrene – used to vacuum form the inserts for selection boxes, polyvinyl chloride (PVC) – used to make carrier bags and piping such as drain pipes.	8 R R R R R R R R R R R R R R R R R R R	
Thermosettin g plastics	Thermosetting plastics are those polymers that when heated or formed under pressure set rigid and can not be changed. Common thermosetting plastics include urea formaldehyde – used to make electrical fittings such as light sockets, epoxy resin – used to make an adhesive commonly called araldite, glass reinforced plastic – used to make small boat hulls and in some sorts car bodies.		
Composite materials	Composite materials are those materials that combine different materials to give a new improved material. Examples include concrete – combining sand, gravel and cement, carbon fibre – combining fibreglass, carbon strands and resin.		

Tensile strength	A materials ability to be pulled under force without stretching or snapping – think a brake cable on a bike
Hardness	A materials ability to withstand impact and wear when moving against another part without snapping or deforming or wearing excessively– think a hammer head and a centre punch and the gears turning in an engine gearbox
Conductivity	A materials ability to pass heat or electricity through it effectively without burning, think copper wires in your home and copper pipes to carry water.
Ductility	A materials ability to be stretched into a wire without loosing strength.
Elasticity	A materials ability to be stretched and deformed then return to its original shape – think elastic band being stretched and a car tyre running over a pot hole or a stone.
Malleability	A materials ability to be pressed or shaped into a form without breaking – think aluminium sheet being made into a drinks can

CAD – computer aided design – the programs we use are 2D Design and Autodesk Inventor, main advantages of using CAD are the drawings can be modified easily, save on storage space of paper drawings and can be easily sent electronically to a customer or manufacturer to be checked.

CAM – computer aided manufacture

- the CAM we use in school includes the laser cutter and the CNC lathe, the main advantages of using CAM is the increased quality assurance as all parts made will be exactly the same, also manufacturing speed is increased.

Dimension lines – closed arrow heads – with projection lines at either end

Sections showed with the hatching – shows the part has been cut through

M12 x 1.25 – shows a 12mm thread with a pitch of 1.25mm



Design and Technolog y (Textiles)

Knowledge Organiser - Textiles year 10 Fibres & fabrics

Natural fibres from plants

Cotton

Wool

Natural fibres from animals

has the following qualities: Used for making jeans, T-shirts and towels and

Cool to wear

soft handle

very absorbent, dries slowly

warm to wear absorbent, dries slowly

the following qualities:

Used for jumpers, suits and blankets and has

Used for evening wear and ties and has the

Silk

breathable, repets rain

٨ A

soft handle warm to wear

absorbent

good lustre and drape

٨

following qualities:

- ň soft or coarse handle
- can shrink, should be dry cleaned
- good drape
- not durable

ñ

dry clean creases drop out

durable

can be washed and ironed

ň A ٨

creases easily durable dood quabe

٨ creases drop out

Man-made/synthetic

Nylon (Tactel)

Polyester

A regenerated fibre from natural polymer

Viscose

dresses and linings and has the following materials like cellulose. It is used for shirts

and seat belts and has the following qualities: Used for active sportswear, fleece jackets, socks

> nightwear, medical textiles and working clothes Used for raincoats, fleece jackets, children's

and has the following qualities:

٨ warm to wear

٨

low warmth

non-absorbent, dries quickly

A qualities:

- absorbent, dries slowly
- breathable, repels rain
- soft or coarse handle can shrink, should be dry cleaned
- adeup poob
- durable

٨ ٨ ñ ٨

very durable soft handle

good drape

crease resistant

creases drop out

A A

Woven fabrics

A

can be washed and ironed

creases easily

A ٨ ٨ ٨

not durable good drape soft handle absorbent, dries slowly low warmth

selvedge.

Lines.

Selvedge

 can be recycled easy care

widt-knitted fabric is made by looping together long lengths of yam. It can be made by hand or machine. The yam runs in rows across the fabric. If a shtch is dropped it will ladder down

the length of the fabric. The fabric is stretchy and comfortable and is used for socies, T-shirts and jumpers.

like on a plain-weave. falling on the yarn doesn't scatter and break up warp or the weft. The long floats mean the light allows longer float threads either across the arrangement of warp and weft threads, which In satin-weave fabric there is a complex

Weave variations include Jacquard and damask reverse side is invariably dull and non-shiny. The reflected light creates a smooth, lustrous (shiny) surface commonly called satin. The

Non-woven fabrics Non-woven fabric is made by bonding or felting

A A A A A A

Bonding

Twill-weave fabric

so it's used for fashion and furnishing fabrics. pattern. Plain-weave is strong and hardwearing aligned so that they form a simple criss-cross In plain-weave fabric the warp and weft are

warp are offset to give a diagonal pattern on the fabric surface. It's strong, drapes well and is used for jeans, jackets and curtains.

In twill-weave fabric the crossings of weft and

crease resistant, do not fray and are stable when washing and dry cleaning heat or adhesives. They are cheap to produce but not as strong as woven or knitted fabrics. Bonded-fibre fabrics are mainly used for interlining. They are easy to sew, Bonded-fibre fabrics are made from webs of synthetic fibres bonded together with

but it is warm and does not fray. Wool felt is expensive. It is used for hats and Wool felt is a non-woven fabric made from animal hair or wool fibres matted slippers and in handcrafts together using moisture, heat and pressure. Felt has no strength, drape or elasticity

Fibre blends

fibre. comfort and aftercare of fabric. Blending can also reduce the cost of an expensive of each component fibre. Using fibre blends improves the appearance, performance, Blending different fibres together produces yarms that have the combined properties

- Polyester/cotton blend: shirts are more easy-care and crease-resistant than shirts made from 100 percent cotton.
- Cotton/lycra blend: jeans are more comfortable, stretchy and fit better than cotton jeans.
- ٨ Acrylic/wool blend: trousers are less expensive than 100 percent wool trousers.

Modern microfibres

- Elastane (Lycra) is always used in a blend with other fibres. It is used to make sportswear, body-hugging clothes and bandages. It has good handle easy care. It has low warmth and is absorbent. and drape, is durable, crease resistant, stretchy (more comfortable) and is
- ٨ Tencel is a 'natural' microfibre made from cellulose derived from wood-pulp has low warmth. durable, crease-resistant, easy-care and biodegradable. It is absorbent and It is used for shirts and jeans. It has soft handle, good drape, is breathable

Properties of fabric

1

hetic properties	Functional properties	Comfort properti
lle	strength	absorbency
¢	durability	breathability
Л	crease resistance	elasticity
arance	flame resistance	softness
	stain resistance	stretch
	water resistance	warmth
	aftercare	
	cost	

colo han Aes

example: It is important to match fabric properties to the requirements of the product. For

- Cycling jackets need to be made from fabric that
- Children's jumpers need to be made from fabric resistant is warm, breathable, elastic, windproof and water
- care that is soft, colourful, stretchy, warm and easy
- Seat belts need to be made from strong, durable flame-resistant materials.
- A may also need to be breathable and elastic. durable, flame resistant and water resistant. It Fire-protective clothing needs to be strong,
- Geotextiles need to be strong and durable so they stop embankments from slipping.



breathable

Smart Fabrics – react to the environment

road runners, children walking to school in winter etc. Scotchlite reflective fabric - silvery effect, shines when a car's headlights reflect on the surface. Excellent for

Chromatic dyed fabric - changes colour at certain temperatures, can be used for firefighters to warn of unsafe temperatures. Used on T-shirts in 1990s to show when sun was too hot/risk of sunburn. Microfibre - breathable, windproof & shower proof. Let's moisture out of the body and not into the body.



Solin-we Press. 333

Wett

Design and Technolog y (Food)

service	equirements
Establishments will offer a range of services to meet customer needs. An airline for example, may offer a number of different services to meet different customer needs. For example offering a wide variety of different dietary required food choices on-board. The services offer to customers who are upper-class the airline will offer private 1st class lounge, boarding priority, long haul they offer a variety of luxury menus, fully flat reclining seats/beds with free complimentary bag of essential facial treatments, eye mask and ear plugs. More baggage allowance than standard customers, power points at each area, with bed and desk. A restaurant may offer a take away service, waiter service, a range of menu options. A fine dining restaurant may offer silver service, personal waiter who will hold your chair for you to sit down. Food will be locally sources and exquisitely presented. The menu may change every few weeks to reflect seasonality. Fine dining restaurants will often have a signature menu, something it is famous for.	YEAR 10 HOSPITALITY REVISION Caterers need to cater for a range of special dietary requirements in order to please their customers and in some cases to keep them safe. Some people choose to follow a special diet for religious or moral reasons (vegetarian and vegan are two examples here) others have a medical requirement i.e. low salt or sugar (diabetic) or allergen free (peanuts, shellfish etc.)



it. Try: ise for age

- 3
- to quiz
- rds to 3
- organisers (see graphic
- right); method (see the Cornell
- right);
- talk for a minute on the given
- term/topic no

- pauses, no

or repetitions or

hesitations. Slips

micro pauses

and you're out!

three strikes lose a 'life' -

Key term	Description
recession	When spending in an economy reduces, leading to lower profit for a company and often a reduction in hours for stat job losses. People have less money to spent on leisure activities.
Stock control	A way of managing food products to reduce waste i.e. using products with the shortest date first or only buying the quantity of fresh food that will be needed for the dishes the establishment intends to produce.
technology	In a hotel, technology is used to help with the smooth day to day running of the business. Things like PC's and associated programs to book in guests,
EPOS	(electronic point of sale) like the screens that the diner staff use in our school canteen. Quick and easy to use. Higher instance of accuracy – the same price will be charged for each product each time.
PDA	(<u>Bersonal</u> digital assistant) like is used in many restaurants to take orders. The information is sent directly to the cher the kitchen so reduces error in accuracy of an order and also frees up front of house staff to take more orders or clea tables.
Front of house	Where staff serve guests. Usually has tables and chairs, a till point or other payment option.
Back of house	Where food is prepared, not usually accessible to members of the public for safety and hygiene reasons
allergy	Immune response to a food product, can cause mild symptoms like itching or tingling and hives or an upset stomach severe symptoms like swelling of the tongue, restriction of airways and death.
Intolerance	The body is unable to properly digest a food product. May cause, Bloating, Migraines. Headaches .Cough. Runny nose. Feeling under the weather. Stomach ache Irritable bowel
accommodation	Somewhere to stay gyer night. These facilities range in guality, and amenities to cope for a wide range of clients and situations i.e. hotel, bed and breakfast, youth hostel, apartment, caravan, tent/glamping. (campsite with or without facilities)
OAP	Old Age Pensioners. Over 65, lots of free time. Often limited income. May have mobility issues (although many are v fit and active)
couples	2 people in a relationship, may be married. No children to think about whilst on holiday- may not want to be bother by children while on a holiday- often have money to spend. Accommodation with a restaurant or close to restaurant and bars/nightlife would prove popular.
Families with children under 12	Age mid 20's up to about 50. Need accommodation where all family members can be together, possibly in the same room - on-suite would be beneficial in this situation. May not have a lot of money to spend so all-inclusive packages
commercial	a good idea. Will want activities suitable for children and will need family friendly eating facilities. An establishment that aims to make a profit
recidential	Provides accommodation





:		



Art and Design GCSE AQA



Art, Craft and Design Key Stage 4





What is GCSE Art and Design?



explore GCSE Art and Design provides you with a wide range of creative, exciting and stimulating opportunities to

and enhanced vocational and career pathways. It is a strong foundation for further progression to Art and Design related courses such as A-level Art and Design

This two unit specification enables you to develop:

- Your a bility to actively engage in the processes of Art and Design.
- To build creative skills through learning and doing
- To develop imaginative and intuitive ways of working.
- Develop knowledge of materials and media relevant to your proposed outcome



Unit 1: Portfolio of Work 50 % (Coursework) Ongoing after Christmas in Year 11 Unit 2: Externally Set Task 40 % (exam) This happens Your work is assessed in 2 separate units: work through Year 10 and half of Year 11













French



YEAR 10 FRENCH REVISION

+

What I must know or be able to	Family, friends and relationships	Technology in everyday life	Free time activities	Use verbs in the PAST accurately, including on or nous	Use verbs in the FUTURE accurately	Use a range of connectives	Express and justify opinions	Question words	Decode bullet points
						+	-		

Higher tier French



YFAR IO - FRENCH - REVISION

Use this knowledge organiser to revise for your assessment. Try:

- practice questions
- getting someone to quiz you;
- making flashcards to use when quizzing.
- graphic organisers (see right);
- the Cornell method (see right)
- talk for a minute on the given term/topic no pauses, no hesitations. Slips or repetitions or micro pauses lose a 'life' – three strikes and you're out!

A. REVISE YOUR PREPARATION TO THE FOLLOWING KEY GCSE QUESTIONS.

UNIT 1.1 - Relationships

- 1. Parle-moi de ta famille. Talk to me about your family
- N Tu t'entends bien avec ta famille ? Pourguoi? Do you get on with your family? Why? Why not?
- Decris-moi ton/ta meilleure ami(e). Describe your best friend.
- Es-tu un(e) bon(ne) ami(e) ? Pourguoi ? Are you a good friend, Why? Why not?
- 5. Quels sont tes projets pour le futur ? What are your plans for the future?
- Comment serait ton / ta partenaire idéal(e). How would your ideal partner be.²
- 7

UNIT 1.2 – Technologies in everyday life

- 1. Quel est ton gadget préféré ? Rourquoi? What is your favourite godget?
- N Quelles technologies utilises-tu à la maison ou au collège? Quand? Pourguoi? Which technologies do you use at home or at school? When? Why?
- ω Peux-tu vivre sans ton portable ? Pourguoi ? Pourguoi gas ? Can you live without your mobile phone ? Why ? Why got ?
- Þ Quel est ton réseau social préféré ? Pourguoi? What is your favourite social media ? Why?
- U. Quels sont les avantages et les inconvénients des réseaux sociaux et d'Internet? What are the advantages and disadvantages of social media and the internet ?





UNIT 1.3 – Free time		
 Quels sont tes passe-temps préférés 	? Pourquoi? Qu'est-ce que tu fais avec ta famille ou	tes amis le week-end ? Which are your favourite
 Qu'est-ce que tu as fait récemment a 	avec ta famille ou tes amis ? What have you done rec	ently with your family or friends.?
 Tu préfères passer le temps avec ta f 	amille ou tes amis ? Pourguoi? Do you prefer to spe	nd time with your family or your friends? Why.?
B. TAKE TIME TO DECODE THE BULLET	POINTS WHICH ARE IN THE TARGET LANGUAGE FOR	R EACH WRITING TASK.
Bullets points are KEYS to the task		
CONTENT to include		
PROMPTS to respond to		
POINTS to refer to HEADINGS to plan with		
They can contain a SINGLE WORD (e.g. la M SEVERAL KEY WORDS (e.g. XQ) TWO ELEMENTS (e.g. XQ)	étéo - the weather) g, une visite récente à votre ville) <mark>(de ville et ses</mark> attractions - your town and its attract	tions)
They can be fairly OPEN-ENDED (e.g. Limpg INTERPRETED FREELY (e.g. BOUNDARIED, CONTENT	rtance des vacances) ;, un événement scolaire, mémorable, - A memorable :uMITED (e.g. l'hôtel - the hotel)	e school event)
LOOK OUT FOR		
a <u>) CONNECTIVES</u> : et (and) - 2 parts to the bullet point <u>gw</u> (or) - choice between two options	b) <u>QUESTION WORDS</u> : Que / qu'est-ce que (what) Comment (how / what) Qù (where) Quand (when) Pourquoi (why)	c) <u>TIME FRAMES:</u> PAST (dernier / dernière – last - récemment / récent(e) - recently / recent - mémorable – unforgetable) PRESENT(d'habitude / typique - usually / typical) FUTURE (prochain – next - yos projets - your plans à l'ayenic - in the future)

C. INCLUDE OPINIONS AND REASONS (AT LEAST 2).

Useful expressions to give personal opinions:	Useful connectives to give reasons: Remember to use a range (do not
	overuse card)
à mon avis: in my opinion	
pour moi : as for me	Car
selon : according to (e.g. selon moi, selon mes parents)	parce que
je pense que: I think	puisque
je trouve que: I fjod	vu que
je dirais que: I woud sax	
pour moi : as for me selon : accouding to (e.g. selon moi, selon mes parents) je pense que: I think je trouve que: I think je dirais que: I woud say.	car puisque vu que

USEFUL VERBS, INTENSIFIERS & ADJECTIVES TO EXPRESS OPINIONS.

	C'est, (it is) Ce n'est, pas (it is not) C'était, (it was) Ce sera (it will be) Je trouve ça (i find (t) J'ai trouvé ça (i found (t)
	assez - guite un peu - a little, très - very Vraiment - really absolument - absolutely
triste - sad, mauvais - bad, nul / minable - rubbish désagréable - ynpleasant, affreux - horrible sonuvæux / barbant, - boring sasse-pieds / énervant, - annoying cher, - expensive	 étonnant - amazing, bien / bon - good amusant / marrant / drôle / rigolo / comique - fun agréable - oice,/ pleasant sensass / génial / chouette- great formidable - awsome, fantastique, - fantastic fantastic intéressant, - interesting (learn how to spell it correctly!)
9 YOU MUST BE CONFIDENT WITH TENSES. IN THE 90 WORD QUESTION, ONE BULLET POINT REFERS TO THE PAST AND ONE BULLET POINT REFERS TO THE FUTURE.

PRESENT: aujourd'hui (today), maintenant (now), le week-end (at the week-end), cette année (this year), d'habitude (usually).... PAST: higt (yesterday), le week-end detajet (last week-end), l'année detajète (last year), ily a deux ans (two years ago) the future) EUTURE: demain, (tomorrow), Se sair, (tonight), le week-end prochain (next weekend), ('année, arachaine, (next year), plus tard, (later on), à l'avenir, (in

NEINITIVE	PAST	PRESENT	EUTURE	VERBS FOLLOWED BY
ouer (to play)	J'ai joué	Je joue	Je jouerai	Je vais (I'm going)
regarder (to watch)	J'ai regardé	Je regarde	Je regardenai	Tanany (Tran)
Scouter (to listen)	J'ai écouté	J'écoute	J'écouterai	Ta powers (1 could)
cheter (to buy)	J'ai acheté	J 'achète	J'achèterai	Ta data (Tamat)
aire (to do)	J'ai fait	Je fais	Je fenai	To domain (should)
oire (to drink)	J'ai bu	Je bois	Jeboirai	To use (Truck)
oir (to see)	J'ai vu	Je vois	Jeverrai	To voudooic (T'd like)
re (to read)	J'ai lu	Je lis	Jelinai	T'aimonais (T'd like)
ller (to go)	Je suis allé(e)	Je vois	J'irai	Theorem (Theorem)
ester (to stay)	Je suis resté(e)	Je reste	Je resterai	The Pintention do (Tintend to)
ortir (to go out)	Je suis sorti(e)	Je sons	Je sortiroi	J or i mention de (1 menu io)
artir (to leave)	Je suis parti(e)	Je pars	Jepartirai	o e reve de (1 dream roj
e relaxer	Je me suis relaxé(e)	Je me relaxe	Je me relaxenai	Je vais jouer : I'm going to play
ther very useful	C'était (it was)	C'est (it	is) Ce sera (it will be)
xpressions:	Il y avait (there was/we	rel Ilvalth	and is / and Tiv auna	(those will he)



USE A RANGE OF TENSES.

DEVELOPMENTS: 00 words (4 built points) Remember to sover each built point to get full marks II Tithk or fulder points) Think of fulder questions* and draw examples from your own experience. How may liss of I need to write? 20 words of I words on each line, you must write of keast 12 lines. Low mode: If you write an average of 8 words on each line, you must write of keast 12 lines. Low mode: If you write an average of 8 words on each line, you must write of keast 12 lines. Learn to write a WAFFLE paragraph to extend a you ord or 150-word task that's too short by memorising this simple structure: If we because it is and it is also sometimes as will as Markers If way like X because it is and also because I fiel it, henever, I don't like X because it a and it is also sometimes as will as It was a sometime of a real structure. Markers What were the topic, this uill almost Certainly fit in and it's 30 words @ It's sometimes and paragraph Markers Adding information: aning que (as well as) - de pits (furthermere) - ou (where) - goond (whee). It's pendent Marker of end the grade, use a RAMGE of Connectives to link your sometences and paragraphs. It's pendent It's pendent Marker of grade was grade (whet) - que (whet), which) - que (whet), pendent, peurtent (al mean henever) - si (if) - pendent It's pendent It's pendent Mare was a grade (w		NARRATION
DEVELOPMENTS: 90 words (4 builet points) Remember to cover each builet point to get full marks (11 Div words (2 builet points) Think of Thidden questions? and draw examples from your out experience. How may lines d I need to write? Think of Thidden questions? and draw examples from your out experience. 90 words: If you write an average of 8 words on each line, you must write at least 12 lines. Learn to write a WAFFLE paragraph to extend a 90-word or 150-word tast that's too short by methorising this simple structure: Name I really like X because it is and also because I fiel it, however, I den't like X because it is and it is also sometimes as well as you could a supple of et al to any the source pX and it is also sometimes as well as you could be a supple of et al to active the topict, this will almost Certainly fit in and it's so words (9 or active and paragraph). NAMENDARY Whatever the topic, this will almost Certainly fit in and it's so words (9 observer). Materia To achieve a high grade, use a RAWGE of Connectives to link your sentences and paragraphs. Adding information: ainsi que (st will as) - de pits (furthermore) - où (where) - gound (whee). gound (whee) - en ent, e.g. on decortant de la musique (while - lag) - ou like de (marad of) to centend of) to musu de (marad of) to musu de (marad of) to centend of) to musu de (where) - gound (whee) - gound (whee) - to india que, during que (bort mean whereas) - bien que (athough)	To achieve a higher grade, use narration techniques. These simple sequencing words will also help you develop your paragraphs.	
DEVELOPMENTS: 90 words (4 buillet points) Remember to cover each builet point to get full marks II 150 words (2 builet points) Think of "hidden questions" and draw examples from your own experience. How many lines do I need to write? 90 words on each line, you must write at least 12 lines. 150 words: If you write an average of 8 words on each line, you must write at least 12 lines. Learn to write? Learn to write a WAFFLE paragraph to extend a 90-word or 150-word task that's too short by memorising this simple structure. I reaky like X because it is and also because I find it, however, I don't like X because it is and it is also sometimes as well as J'aime because it is and it is also sometimes as well as gependent je n'aime post X puispe o'est et o'est aussi parfeis alsi gave Whatever the topic, this will almost Certainly fit in and it's 30 words @ To achieve a high grade, use a RANGE of connectives to link your semences and paragraphs.	Adding information: ainsi que (as well as) - de plus (furthermore) - où (where) - quand (when), donc (so) - qui (who, which) - que (that) - malgré (despite) - comme (like, as) - si (if) - pendant que (while) - en + ant, e.g. en écoutant de la musique (while -ing) - au lieu de (instead of) <u>Contrasting information</u> : cependant, pourtant, néanmoins, pourtant (all mean however) - tandis que, alors que (both mean whereas) - bien que (although)	CONNECTIVES
DEVELOPMENTS: 90 words (4 bulket points) Remember to cover each bullet point to get full marks III 150 words (2 bulket points) Think of "hidden questions" and draw examples from your own experience. How many lines do I need to write? Think of "hidden questions" and draw examples from your own experience. 90 words: If you write an average of 8 words on each line, you must write at least 12 lines. Learn to write a WAFHLE paragraph to extend a so-word or 150-word task that's too short by memorising this simple structure: I really like X because it is and also because I find it, however, I don't like X because it is and it is also sometimes as well as J don't like X because it is and so because I find it, however, I don't like X because it is and it is also sometimes as well as MAFFLE paragraph o'est et o'est aussi pares que je troove ça, cependant je n'aime pas X puispe o'est et o'est aussi parfois aksi que	Whatever the topic, this will almost Certainly fit in and its 30 words (2) To achieve a high grade, use a RANGE of Connectives to link your sentences and paragraphs.	
DEVELOPMENTS: 90 words (4 bulket points) Remember to cover each bulket point to get full marks III 150 words (2 bulket points) Think of "hidden questions" and draw examples from your own experience. How many lines do I need to write? 90 words in each line, you must write at least 12 lines. 150 words: If you write an average of 8 words on each line, you must write at least 12 lines. 150 words: If you write an average of 8 words on each line, you must write at least 12 lines. Learn to write a WAFFLE paragraph to extend a 90-word or 150-word task that's too short by memorising this simple structure:	I really like X because it is and also because I find it, however, I don't like X because it is and it is also sometimes as well as J'aime beaucoup X can c'est et aussi parce que je trouve ça, cependant je n'aime pas X puisque o'est et c'est aussi parfois ainsi que	WAFFLE PARAGRAS
DEVELOPMENTS: 90 words (4 bullet points) Remember to cover each bullet point to get full marks II 150 words (2 bullet points) Think of "hidden questions" and draw examples from your own experience. How many lines do I need to write? Think of "hidden questions" and draw examples from your own experience. 90 words: If you write an average of 8 words on each line, you must write at least 12 lines. 150 words: If you write an average of 8 words on each line, you must write at least 19 lines.	Learn to write a WAFFLE paragraph to extend a 90-word or 150-word task that's too short by memorising this simple structure:	
DEVELOPMENTS: 90 words (4 bullet points) Remember to cover each bullet point to get full marks III 150 words (2 bullet points) Think of "hidden questions" and draw examples from your own experience.	I need to write? write an average of 8 words on each line, you must write at least 12 lines. J write an average of 8 words on each line, you must write at least 19 lines.	How many lines do I 90 words: If you wr 150 words: If you w
DEVELOPMENTS: 90 words (4 bullet points) 150 words (2 bullet points) Remember to cover each bullet point to get full marks III	Think of "hidden questions" and draw examples from your own experience.	
	150 words (4 bullet points) Remember to cover each bullet point to get full marks !! 150 words (2 bullet points)	DEVELOPMENTS:

Foundation tier French



YFAR IO - FRENCH - REVISION

Use this knowledge organiser to revise for your assessment. Try-

- practice questions;
- getting someone to quiz you;
- making flashcards to use when quizzing;
- graphic organisers (see right);
- the Cornell method (see right)
- talk for a minute on the given term/topic no pauses, no hesitations. Slips or repetitions or micro pauses lose a 'life' – three strikes and you're out!
- A. REVISE YOUR PREPARATION TO THE FOLLOWING KEY GCSE QUESTIONS.

UNIT 1.1 - Relationships:

- Parle-moi de ta famille. Talk to me about your family.
- Tu t'entends bien avec ta famille ? Pourouvi? Do you get on with your family. Why? Why not?
- 3. Décris-moi ton/ta meilleure ami(e). Describe your best friend.
- Es-tu un(e) bon(ne) ami(e) ? Pourguoi,? Are you a good friend,? Why? Why not?
- 5. Quels sont tes projets pour le futur ? What are your plans for the future?
- Comment serait ton / ta partenaire idéal(e). How would your ideal partner be.²
- .

UNIT 1.2 – Technologies in everyday life

- 1. Quel est ton gadget préféré ? Roucauoi.?. What is your favourite gadget.?
- Quelles technologies utilises-tu à la maison ou au collège? Quand ? Pourguoi ? Which technologies do you use at home or at school ? When? Why??
- ω Peux-tu vivre sans ton portable ? Pourguoi ? Pourguoi Bas? Can you live without your mobile phone? Why? Why oot?
- Quel est ton réseau social préféré ? Pourquoi? What is your favourite social media ? Why?
- UI, Quels sont les avantages et les inconvénients des réseaux sociaux et d'Internet? What are the advantages and disadvantages of social media and the internet ?





a <u>) con</u> et (and gu, (or)	They c	They ci	Bullets	۶	μ	2	<u>UNIT 1</u> 1.
<u>INECTIVES</u> : - choice between two options	an be fairly OPEN-ENDED (e.g. L'importat INTERPRETED FREELY (e.g. W BOUNDARIED, CONTENT-LIM DUT FOR	an contain a SINGLE WORD (e.g. la métés SEVERAL KEY WORDS (e.g. u TWO ELEMENTS (e.g. votre.)	PROMPTS to the task PROMPTS to respond to POINTS to refer to HEADINGS to plan with	TAKE TIME TO DECODE THE BULLET POI	Tu préfères passer le temps avec ta fami	pastimes/hgbbigs,2 Whx,2 What do you Qu'est-ce que tu as fait récemment avec	<u>.3 – Free time</u> Quels sont tes passe-temps préférés ? P
b) <u>QUESTION WORDS</u> : Que / qu'est-ce que (what) comment (how / what) Qù (where) Quand (when) Pourquoi (why)	nce des vacances) n événement scolaire mémorable - A memorable scho NTED (e.g. []hôtel - the hotel)	o - the weather) ne visite récente à votre ville) ville et ses attractions - your town and its attractions)		INTS WHICH ARE IN THE TARGET LANGUAGE FOR EAC	ille ou tes amis ? Pourguoi? Do you prefer to spend tim	do with your family or your friends at the weekend.?. ta famille ou tes amis? What have you done recently	ourquoi? Qu'est-ce que tu fais avec ta famille ou tes ar
c) <u>TIME FRAMES:</u> PAST (dernier / dernière – last - récemment / récent(e) - <u>recently</u> / <u>recent</u> , -mémorable – <u>unforzetable</u>) <u>PRESENI</u> (d'habitude / typique - <u>usually</u> / <u>typical</u>) <u>FUTURE</u> (prochain – next - <u>vos</u> <u>projets</u> - your plans à <u>l'avenir</u> , - in the future)	ool event)			H WRITING TASK.	ne with your family or your friends? Why.?	with your family or friends.2	mis le week-end ? Which are your favourite

C. INCLUDE OPINIONS AND REASONS (AT LEAST 2).

Useful expressions to give personal opinions:	Useful connectives to give reasons: Remember to use a range (do not
	overuse car.")
à mon avis: in my opinion	
pour moi : as for me	Car
selon : according to (e.g. selon moi, selon mes parents)	parce que
je pense que: I think	puisque
je trouve que: I fjod	vu que
je dirais que: I woud sax.	

USEFUL VERBS, INTENSIFIERS & ADJECTIVES TO EXPRESS OPINIONS.

	<u>S'est</u> (it is) Ce n'est pas (it is not) <u>S'était</u> (it was) Ce sera (it will be) Je trouve ça (i tind it) J'ai trouvé ça (i tigund it)
	assez - guite un peu - a little, très - very vraiment - really absolument - absolutely
triste - sad mauvais - bad nul / minable - rubbish désagréable - ynpleasant affreux - horrible ennuveux / barbant - boring casse-pieds / énervant - annoying cher, - expensive	 étonnant - amazing, bien / bon - good amusant / marrant / drôle / rigolo / comique - fun agréable - qice / gleasant sensass / génial / chouette- great, formidable - awsome, fantastique - fantastic intéressant - interesting (learn how to spell it correctly!)

D. YOU MUST BE CONFIDENT WITH TENSES. IN THE 90 WORD QUESTION, ONE BULLET POINT REFERS TO THE PAST AND ONE BULLET POINT REFERS TO THE FUTURE.

PRESENT: aujourd'hui (today), maintenant (now), le week-end (at the week-end), d'habitude (usually) FUTURE: demain, (tomorrow), Se soir, (tonight), le week-end prochain (next weekend) PAST: bieg (yesterday), le week-end deggieg (last week-end), ('angée deggiège (last year)

Other very useful expressions:	partir (to leave)	sortir (to go out)	rester (to stay)	aller (to go)	line (to read)	voir (to see)	boine (to drink)	faire (to do)	acheter (to buy)	écouter (to listen)	regarder (to watch)	jouer (to play)	INFINITIVE
C'était (it was) Il y avait (there was/	Je suis parti(e)	Je suis sorti(e)	Je suis resté(e)	Je suis allé(e)	J'ai lu	J'ai vu	J'ai bu	J'ai fait	J'ai acheté	J'ai écouté	J'ai regardé	J'ai joué	PAST
C'est (it were) Il y a (th	Jepars	Je sons	Je reste	Je vais	Je lis	Je vois	Je bois	Je fais	J'achète	J'écoute	Je regarde	Je joue	PRESENT
tis) (here is/are) I	Je partirai	Je sontinai	Je resterai	J'irai	Jelinai	Je vernai	Jeboirai	Jeferai	J'achèterai	J'écouterai	Je regardenai	Je jouerai	FUTURE
ie sera (it will be) I y aura (there will be)	Je vais jouer : I'm going to play	1	J'espère (I hope)	J'aimerais (I'd like)	Je voudrais (I'd like)	Je veux (I want)	Je devrais (should)	Je dois (I must)	Je peux (I con)	Jepréfère (I prefer)	J e vais (1'm going)		VERBS FOLLOWED BY INFINITIVES:

٣ GO TO THE RELEVANT PAGES OF YOUR AGA VOCABULARY BOOK TO REVISE USEFUL WORDS AND PHRASES FOR EACH UNIT OF WORK YOU WILL

BE ASSESSED ON (RELATIONSHIPS, TECHNOLOGY IN EVERY DAY LIFE & FREE TIME).

Year 10

German



Year 10 German Revision

What I must know	•	•	
Family, Friends and Relationships			
Technology in everyday life			
Free time activities			
Use verbs in the past accurately, using ich, er/sie and wir			
Use verbs in the future accurately			
Use a range of connectives			
Express and justify opinions			
Question words			
Decoding bullet points			

Year 10 **German Revision**

Adjektive	
lehrreich	informative, educational
nútzlich	lunger
unsicher	unsafe
teuer	expensive
kostenilos	free
schnell	quick
gefährlich	dangerous
praktisch	practical

Key Phrases

Handys: Heute und Früher

Key Quotations

Selbstmord begehen

wechseln

Verben

- Die Vorteile und Nachteile des Internets
- Soziale Netzwerke
- Tipps gegen Cyber-Mobbing Handynutzung und die Gesundheit
- Die Rolle der Technologie

Adialati

sich konzentrieren

schicken mitnehmen

> to take with you to change to kill oneself

verheimlichen

veröffentlichen

to publish

to conceal, to hide to concentrate to send

Adjektive	
lebensnotwendig	vital
unerwünscht	unwanted
vorsichtig	careful
unbekannt	unknown
unerfahren	inexperienced
leistungsstark	powerful (battery)
beunruhigend	disturbing, disruptiv

prüfen

to check to range

reichen



~	end	ark	
0	disturbing, disruptive	powerful (battery)	
	_		ł

1			ruptive	ery)	
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Die moderne Technologie hat unser Leben verbessert/das Modern technology has improved our lives/made life easier

Ich interessiere mich für/nicht für neue technische Geräte I am interested/not interested in new technological gadgets

Modern household appliances remove the work

Moderne Haushaltsgeräte nehmen die Arbeit ab

Leben einfacher gemacht

Use this knowledge organiser to revise for your assessment. Try:

practice questions

HIGHER

- getting someone to quiz you;
- making flashcards to use when quizzing
- graphic organisers (see right);
- the Cornell method (see right);
- talk for a minute on the given term/topic no pauses, no hesitations. Slips or repetitions or micro pauses lose a 'life' – three strikes and you're out!

Key Phrases		
Mit einem modernen Handy kann man 3 besuchen/mit Freunden chatten/das Lebe	sciale Netzwerke With a mobile you can visit social networks/chat v organisieren friends/organise your life	34
Mein Handy ist mein Leben	My mobile is my life	
Das Handy ist praktisch, wenn	A mobile is practical when	
Ein Nachteil eines Smartphones ist	A disadvantage of a smartphone is	
Das Internet ist eine endlose Information	quelle The internet is an endless source of information	
Einige Internetseiten sind gefährlich, bes und Jugendliche	nders für Kinder Some websites are dangerous, especially for children young people	ā.
Wenn man zu viel Zeit im Internet ver isoliert werden	ringt man kann When/if you spend too much time on the internet you become isolated	3
Um gegen Cyber-Mobbing zu kämpfen, so	Ite man In order to fight against cyber-bullying you should	
den Mobber blockieren/den Behörden i eine beleidigende Nachricht reagieren	elden/nicht auf Block the bully (online)/report (bullying) to the authorit ignore the insulting message	5
Handys können gesundheitliche Problem	verursachen Mobiles can cause health problems	

TOPIC: TECHNOLOGY IN EVERY DAY LIFE

complex vocabulary and structures! Knowledge Organiser to build in Use this alongside the Foundation

GRAMMATIK Key verbs in Present, Past, Future, Conditional and Imperfect

Infinitiv	Präsens	Vergangenheit	Futur	Konditional	Imperfekt
benutzen - to use	ich benutze; du benutzt; er benutzt; sie benutzt; wir benutzen	ich habe benutzt: du hast benutzt: er hat benutzt: sie hat benutzt: wir haben benutzt	ich werde benutzen; du winst benutzen; er wird benutzen; sie wird benutzen; wir werden benutzen	ich würde benutzen; du würdest benutzen; er würde benutzen; sie würde benutzen; wir würden benutzen.	ich benutzte; du benut er benutzte; sie benutz benutzten
verbringen = to spend time	ich verbringe; du verbringst; er verbringt; sie verbringt; wir verbringen	ich habe verbracht; du hast verbracht; er hat verbracht; sie hat verbracht; wir haben verbracht	ich werde verbringen; du wirst verbringen; er wird verbringen; sie wird verbringen; wir werden verbringen	ich würde verbringen; du würdest verbringen; er würde verbringen; sie würde verbringen; wir würden verbringen	ich verbrachte; du ver- er verbrachte; sie verb verbrachten
sein = to be	ich bin; du bist; er ist; sie ist; wir sind	ich bin geswesen; du bist gewesen; er ist gewesen; sie ist gewesen; wir sind geswesen	ich werde sein; du wirst sein; er wird sein; sie wird sein; wir werden sein	ich würde sein; du würdest sein; er würde sein; sie würde sein; wir würden sein	ich war; du warst; er i wir waren
werden = to become	ich werde; du winst; er wird; sie wird; wir werden	ich bin geworden; du bist geworden; er ist geworden; sie ist geworden; wir sind geworden	ich werde werden; du wirst werden; er wird werden; sie wird werden; wir werden werden	ich würde werden; du würdest werden; er würde werden; sie würde werden; wir würden werden	ich wurde; du wurdes sie wurde; wir wurder



Useful Grammatical Structures

- To report things that have been said/written, use the passive tense. This is formed by using the appropriate form of werden in conjunction with a past participle: es wird gesagt, dass (it is said that); es wird berichtet, dass (it is reported that); es wird gedacht, dass (it is thought that).
- To indicate the progression of new technologies, use immer before a comparative: sozialen Medien wird immer beliebter (social media is getting more and more popular); Handys werden immer besser (mobile phones are getting better and better)

Key question

- N ۲ Hast du ein Handy? Wofür brauchst du dein Handy? und einem alten Handy? Was sind die Unterschiede zwischen einem modernen What are the differences between a modern and an old mobile phone? Do you have a mobile phone? What do you need it for?
- 0 .0 çin F 00 1 0 ω Interessierst du dich für neue Technologien? Wofür hast du neulich Computer benutzt? Was sind die Vorteile des Internets? Was denkst du über soziale Netzwerke? Was kann man gegen Cyber-Mobbing tun? Was sind die größten Gefahren im Internet? Was machst du gern im Internet? Handynutzung verbunden sind? Was sind die Gesundheitsrisiken, die mit der What have you recently used computers for? What can you do to fight cyber-bullying? What are the biggest dangers on the internet? What are the health risks associated with mobile usage Are you interested in new technologies? What are the advantages of the internet? What do you think of social networks? What do you like to do on the internet?

Year 10 German Revision

Adjektive	
lehrneich -	informative, educational
nützlich	useful
unsicher	unsafe
tawar	expensive
kostenios	free
schnell	quick
gefährlich	dangerous
praktisch	practical

Key Ideas

Handys: Heute und Früher
 Die Vorteile und Nachteile des Internets

Soziale Netzwerke Die Technik, die du benutzt

teilen	speichern	simsen	missbrauchen	vorsichtig sein	löschen	in Kontakt bleiben	hochladen	herunterladen	schicken	benutzen	entwickeln	empfangen	Verben
to share	to save (data on computer)	to text	to misuse	to be careful	to delete	to stay in contact	to upload	to download	to send	to use	to develop	to receive	



Use this knowledge organiser to revise for your assessment. Try:

- practice questions;
- getting someone to quiz you;
- making flashcards to use when quizzing;
- graphic organisers (see right);
- the Cornell method (see right);
- talk for a minute on the given term/topic no pauses, no hesitations. Slips or repetitions or micro pauses lose a 'life' – three strikes and you're out!

Key Vocabulary

	Key Phrases	
	Früher waren Handys nur zum Telefonieren da.	In the past, mobile phones were just for making phone calls.
	Früher konnte man mit dem Handy nur telefonieren, simsen oder Fotos machen.	In the past you could only phone, text and take photos.
	Heutzutage kann man mit dem Handy	Nowadays you can on your mobile phone.
	online einkaufen/im Internet surfen/mit Freunden in Kontakt bleiben.	Shop online/surf the internet/stay in contact with friends.
	Spiele spielen/Musik herunterladen/Fotos hochladen/E-Mails schicken.	Play games/download music/upload photos/ send emails.
	Ich benutze das Internet jeden Tag.	I use the internet every day.
	Das Internet hilft mir beim Hausaufgaben machen.	The internet helps me with homework.
	Ich bin immer in sozialen Netzwerken aktiv.	I am always active on social networks.
	Ich habe eine positive/negative Einstellung zum Internet.	I have a positive/negative attitude towards the internet.
2	Ich benutze nie soziale Netzwerke.	I never use social networks.
	Man muss nie persönliche Informationen teilen.	You must never share personal information.
	Man kann internetsüchtig werden/in sozialen Netzwerken gemobbt werden/durch Online-Spiele von den Hausaufgaben abgelenkt werden.	You can become addicted to the internet/be bullied on social networks/be distracted from homework by online games.
	Ich habe viele Apps auf meinem Handy.	I have lots of Apps on my mobile phone
	Über meinen Smart-TV kann ich auf Online- Videotheken/Streamingdienste/Musik/Unterhaltung zugneifen.	On my Smart TV, I can access online video libraries/streaming services/music/ entertainment.

Substantive	
der Drucker	printer
die Entwicklung	development
die Gefahr	danger
der Klingelton	ringtone
der Missbrauch	abuse, misuse
das Netzwerk	network
der Rechner	calculator
das Risiko	risk
der Schrägstrich	forward slash
der Schutz	protection
der Unterstrich	underscore
der Bindestrich	dash, hyphen
die Daten	data
die Tastatur	keyboard
das Handy	mobile phone
der Bildschirm	tueau26
die Nachricht	news
das Cybermobbing	cyber-bullying
der Treffpunkt	meeting place
die Sicherheit	security
die Verbindung	connection
der Strom	electricity
das WLAN	Wi-Fi
dae Internetrupano	internet access

TOPIC: TECHNOLOGY IN EVERY DAY LIFE

GRAMMA	TIK	Key verbs in Present, Past & F	uture
Infinitiv	Präsens	Vergangenheit	Futur
benutzen	ich benutze; er benutzt; sie benutzt;	ich habe benutzt; er hat benutzt; sie hat benutzt;	ich werde benutzen; er wird benutzen; sie wird
= to use	wir benutzen	wir haben benutzt	benutzen; wir werden benutzen
+ to download	ich lade herunter; er lädt herunter;	ich habe heruntergeladen; er hat heruntergeladen;	ich werde herunterladen; er wird herunterladen;
	sie lådt herunter; wir laden herunter	sie hat heruntergeladen; wir haben heruntergeladen	sie wird herunterladen; wir werden herunterladen
machen	ich mache; er macht; sie macht; wir	ich habe gemacht; er hat gemacht; sie hat gemacht;	ich werde machen; er wird machen; sie wird
= to do	machen	wir haben gemacht	machen; wir werden machen
spielen	ich spiele; er spielt; sie spielt; wir	ich habe gespielt; er hat gespielt; sie hat gespielt;	ich werde spielen; er wird spielen; sie wird spielen;
= to play	spielen	wir haben gespielt	wir werden spielen
>			



Useful Grammatical Structures

- Use the modal verb können to list out the potential uses of technology. A sentence/clause with a modal verb will always have an infinitive at the end. Examples include: Man kann im Internet surfen (you can surf the internet)
- Use adverbs of time and adverbial phases to describe in more detail when/how you do something. Examples include: jeden
- Tag (every day); einmal pro Woche (once a week); zweimal pro Tag (twice a day); am Abend (in the evening); normalerweise (normally); vor der Schule (before school).

Key questions

Key (Questions	
+	Was sind die Unterschiede zwischen einem modernen und einem alten Handy?	What are the differences between a modern and an old mobile phone?
2	Hast du ein Handy? Wofür brauchst du dein Handy?	Do you have a mobile phone? What do you need it for?
3	Was machst du gern im Internet?	What do you like to do on the internet?
4.	Welche Gefahren kann das Internet haben?	What dangers can the internet have?
5.	Was denkst du über soziale Netzwerke?	What do you think of social networks?
6.	Was sind die positiven Aspekte des Internets?	What are the positive aspects of the internet?
7.	Wofür hast du Computer in letzter Zeit benutzt?	What have you recently used computers for?
.00	Welche Art von Technik benutzt du gern?	Which technology forms do you enjoy using?

Year 10

Computer Science



Year 10 Computer Science Revision

What I Must Know	•	•	
Define a variable			
Define a constant			
Label an algorithm			
Identify programming concepts with algorithms			
Create a basic algorithm using simple programming constructs such as IF / ELSE / For / While			
Identify data types such as String / Integer / Real (Float) / Boolean / Char			
Describe the features on Von-Neuman architecture			
Identify programming constructs (sequence / selection / Iteration)			
Identify and Explain the term casting			



Year 10 Computer Science Revision

What I Must Know	•	•	``
Identify and Explain the term concatenation			
Explain the purpose / function of ROM			
Explain the purpose / function of RAM			
Identify the differences between ROM and RAM			
Explain the term volatile / non-volatile			
Describe the function of the CPU			
Identify the components within the CPU			
Explain the factors that affect the performance of the CPU			
Explain the factors that affect the performance of a PC			
Explain the Fetch-Decode-Execute cycle			



Year 10 Computer Science Revision

What I Must Know		•••	
Explain the need for virtual memory			
Explain the steps followed when virtual memory is utilised with RAM			
Explain the need for secondary storage			
Identify the three types of secondary storage (Magnetic / Solid state / optical)			
Evaluate a scenario to identify a suitable secondary storage type			
Describe the characteristics of secondary storage			
Identify the tasks performed by the operating system			

Equations/ writing frames to learn in this topic:

Always give factual information regarding the component. E.g.

"Explain the purpose of Cache memory"

You would explain what cache is firstly, then state what it's function is and why this is beneficial. For example...

Cache memory is a very small fast memory, that holds the devices' frequently used programs instructions and data, it is closer to the CPU than RAM so therefor can fetch instructions and data faster.

When answering questions such as *"Identify a register in the CPU and state its function"...*

Remember, ALWAYS give the full answer.... E.g:

The _____ holds the address of the next instruction that is to be fetched from RAM.

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Use this knowledge organiser to revise for your assessment. <u>Try:practice</u> questions (use your white book);

- using Craig and Dave / The computer science tutor on YouTube to revisit topics;
- getting someone to quiz you;
- making flashcards to use when quizzing;
- graphic organisers (e.g Mind maps)

ARCHITECTURE - CPU REGISTERS

The purpose of the CPU is to Fetch decode and execute instructions and data

Control Unit- Executes instructions / Follows the Fetch-Decode-Execute cycle / controls the flow of data inside/outside of the CPU

ALU- Calculates mathematical calculations (e.g. add / divide) or logical comparisons (e.g. using and / or / not = TRUE & FALSE)

Cache – Stores the frequently used programs instructions and data (a very small, fast memory located in the CPU, if used speeds up the FDE cycle as its less distance to travel)

ARCHITECTURE - CPU COMPONENTS

PC = Program Counter - Points to the next instruction to be fetched from RAM

MAR = Memory Address Register - Holds the address of the next instruction to be fetched from RAM

now to be executed MDR = Memory Data Register – Hold the instruction / data that has been fetched from RAM and is

ACC = Accumulator – Holds the answer to the mathematical calculation or logical comparison calculated in the ALU

PERFORMANCE OF THE CPU

Faster Clock Speed- faster FDE cycles

More Cores – multitasking

More Cache – Can hold more frequently used programs Inst & data



COMPUTER SCIENCE COMMAND WORDS

Add: Join something to something else so as to increase the size, number, or amount.

Analyse: Break down in order to bring out the essential elements or structure. To identify parts and relationships, and to interpret information to reach conclusions. Annotate: Add brief notes to a diagram or graph.

Calculate: Obtain a numerical answer showing the relevant stages in the working. Compare: Give an account of the similarities and differences between two (or more) items or situations, referring to both (all) of them throughout.

Complete: Provide all the necessary or appropriate parts.

Convert: Change the form, character, or function of something.

Define: Give the precise meaning of a word, phrase, concept or physical quantity. Describe: Give a detailed account or picture of a situation, event, pattern or process Design: Produce a plan, simulation or model.

Discuss: Offer a considered and balanced review that includes a range of arguments, factors or hypotheses. Opinions or conclusions should be presented clearly and supported by appropriate evidence.

Draw: Produce (a picture or diagram) by making lines and marks on paper with a pencil, pen, etc.

Evaluate: Assess the implications and limitations; to make judgments about the ideas, works, solutions or methods in relation to selected criteria.

Explain: Give a detailed account including reasons or causes.

Give: Present information which determines the importance of an event or issue.

Quite often used to show causation. How: In what way or manner; by what means

Identify: Provide an answer from a number of possibilities. Recognise and state briefly a distinguishing factor or feature.

Justify: Give valid reasons or evidence to support an answer or conclusion.

Label: Add title, labels or brief explanation(s) to a diagram or graph.

List: Give a sequence of brief answers with no explanation.

Order: Put the responses into a logical sequence.

Outline: Give a brief account or summary.

Show: Give steps in a derivation or calculation

Solve: Obtain the answer(s) using algebraic and/or numerical and/or graphical methods.

State: Give a specific name, value or other brief answer without explanation or calculation.

Tick: Mark (an item) with a tick or select (a box) on a form, questionnaire etc. to indicate that something has been chosen.

What: Asking for information specifying something.

Write/Rewrite: Mark (letters, words, or other symbols) on a surface, typically paper, with a pen, pencil, or similar implement/Write (something) again so as to alter or improve it.

	Access Speed Physical Size Reliability (MTBF)	<u>A long term, permanent/non-volatile storage</u> <u>when the device is turned off</u> Magnetic, Optical and Solid State Capacity Cost	GPU – install / improve Graphics processing card to away from the CPU	PERFORMANCE OF A PC (add the CPU performance More RAM – Can open/run more programs at the s Change HDD to SSD – faster read write speeds due sector of information).	first – this is time consuming and slows down the re disk thrashing)	Differences: RAM is volatile / ROM non-volatile , RAJ to and their jobs are different (see above for job info Virtual Memory – When RAM is full, the least used J VM (which frees up space in RAM), new programs in RAM. When the user wants to use the program in V	<u>MEMORY</u> RAM – holds currently running programs instruction ROM – Boots up the PC and loads the OS- memory i	YEAR ID COMPUTER S
	-3.8 billion cycles/instructions per second	<u>F-D-E</u> Q: if you had a 3.8GHz processor, what would this mean?" (3marks) The number of FDE cycles run per given time/second / the frequency that the clock "ticks"	remove graphics rendering processing time	e improvements also to this) ame time / no or less need for VM. to no moving parts (moving to find the correct	ad / write speeds. (Excessive use will cause	M can be written to, ROM cant not be written o) program's instructions and data is moved into nstructions & data can then be loaded into nstructions move the program back into RAM	ıs and data - memory is volatile it is temporary s non-volatile it is permanent	CIENCE REVISION
Back-ups L	UTILITIES Defragmentation	Security – Levels of acce Multitasking (working w and prioritise more impo systems that can do this	File / Disk management Memory management (; cache)	Graphical User Interface natural language) Peripheral management communicate with perip	THE OPERATING SYSTEN Functions of the Operati	1/0 = bit 8 bits = 1 byte 1024 kilobytes = 1 megab 1024 gigabytes = 1 teraby	Touch Screen Barcode Scanner OMR (Lottery / Multiple choice) Joystick Microphone Sensors	INPUT DEVICE Keyboard Mouse
Ipdates Anti-Vii	ncryption Firewall	up unique account of ss / User access control ith RAM and the CPU to gi rtant tasks in the FDE cycl are called multitasking op	- storing files in hierarchi illocating space in RAM fo	(GUI) – (WIMP / Commar (locating and using device heral devices)	ng system:	4 bits = 1 nibble 1024 bytes = 1 kil /te 1024 megabytes : te	Hard Drive Solid State	STORAGE DEVICE Optical - CD / DVD Magnetic
rus/Malware	Compression	ive equal time to tasks (e) – Operating erating systems	ical structure) r programs / VM and	nd line prompt and e drivers to		obyte = 1 gigabyte	Headphones Printer	OUTPUT DEVICE Monitor Speakers

YEAR 10 COMPUTER SCIENCE REVISION

DATA TYPES

Programming languages store data as different types. You need to learn the ones in this table.

Data type	Pseudocode	Characteristics	
Integer	Tant	Who is much one out	Examples
in Scinit	IIII	whole numbers only.	0, 6, 10293, -999
Real (or float)	real	Numbers that have a decimal part.	015 587 1000
Boolean	bool	Can only take one of two values usually TRUE or EALSE	The state of the s
Character	char	A single lotter much a set of	0002 Faise, 170, yes/100
This was not as a second	ALC: NO	in single letter, number, symbol.	"A", "K", "5", "-", "S"
Stude	string	Used to represent text, it is a collection of characters.	"FsTmQ2", "Smoney\$"

OPERATORS

- The animatic operations CONT DONL uss and perform a maths tion on them
- 2) Address subtractions multiplication and dedution operators do what you'd expect
- 3) The approachiation operator is used to raise a number to a power-
- 4) The DIV consists returns the whole number part of a division and the MOD operator gives the ter-

Annual and a second second	I IN AND IN ANY IN ANY			Numeri and All	T Protection and a damage of the	Development and the second second	
Konuender (modulun)	Quotient	Exponentiation	- Division	Multiplication	Subtraction	Addition	Function
MOD or %	DAV	V OF **	1		-	+	hpical Operator
T KKNW DC	20 DIV 3	2^3 (= 2)	42/6	4*8	3 - 10	5+5	Example
1	6	. 0	7	32	-7	10	Result

- 5) These operators work on integers and real data values or a combination of the two.
- 6) Computers follow the rule of 8000449 (Breackate, Other, Division, Multiplication, Addition & Subtraction) to take cars when using operators to make sure your code to actually doing

1 1 10

COMPARRISON OPERATORS

Comparison operations compare the expression on their left hand side to the expression on their right hand side and produce a <u>Boolean value</u> (either true or false).

And a second sec	What it means	Evaluates to True
	Is equal to	
Corts	la not investiga	
	OIL IENDIA MALAN	6 m 2
~	Is fess thun	
		U.V.L
-	turtua Jagreace sa	15.5.9
	Khali shim as south	
	Of there's in state serve as	7<=8
YE	Is greater than or equal to	1×4

- you'll know you've used them incorrectly because your code won't behave as intended the assignment operator - and the comparison operator dri macolui

rariable "age" - the IF statement will The first code just assigns 25 to the _____ If age = 25 them 1 age The second code checks if age is equal to 20

and not not hold an

will deny all access If all constituent are

endir

Deny all access.

and Manhal Anelland are hald - if it's loss

W this could on a character of the test

Then it will allow level

With Land Alley

0110

elself usertype == "Pupil" then --

test conduce a fait - a de this and

t will allow level | restricted access

Allow level 2 restricted access

VARIABLES AND CONSTANTS

- 23 in or
- The size of the memory location depends on the data type (see p41). The name of the constant or variable is linked to a memory location that stores the data value.
- 3) A constant is assigned a data value at <u>design troe</u> that <u>can't</u> be charged. If you attempt to <u>charge</u> the value of a constant in a program then the interpreter or compler (see p8i) will return an <u>arror</u>.
- <u>Vinitubles</u> on the other hand <u>can</u> change value which makes them <u>for more useful</u> then constants.
 Constants and variables often need to be <u>declared</u> (at the start of the program) Constants and variables often need to be declared (at the start of the program)



naming conventions for constants and variables. E.g. "lower case for the ting lengt, tollowed by a mixture of letters, numbers and underscores

IF STATEMENTS AND NESTED IF STATEMENTS





Year 10

Music

BTEC Music

Unit 1: THE MUSIC INDUSTRY EXAM REVISION

ORGANISATIONS

Venues & live performance:

Small & medium local venues:

3 examples:

Pub, school stage, small theatre

3 advantages:

Intimate atmosphere, close to audience, more accessible for local bands, caters for the community

3 disadvantages:

Poor sound quality & technical facility, limited audience, less publicity/ promotion





-Large multi-use spaces:

3 examples:

Sports' Arena, West End Theatre, Outdoor festival (Glastonbury)

3 advantages:

Excellent sound & technical facilities, huge publicity & promotion, higher fee from tickets sold

3 disadvantages:

You have to be already famous to perform at a large venue (less easily accessible), the cost of hiring a large venue, less intimate interaction with audience.

Health & safety, security at venues:

List 8 H&S and security concerns:

- 1. Heating, lighting & ventilation
- 2. Electrical equipment safe
- 3. Toilets & drinking water clean
- First Aid & Emergency exits in case of fire
- 5. Obstacles appropriately lit/indicated (i.e. stairs)
- 6. Adequate parking & parking arrangements
- 7. Flow of people in and out of venue
- 8. Secure ramps/stage scaffolding



Production & Promotion:

Recording companies:

 Major: Big Three (since 2012): Universal Music Group, Sony Music Entertainment, Warner Music Group

3 advantages:

Money (huge financial advantage), promotion & connections, large size so best deals on manufacturing, advertising & links to media

3 disadvantages:

Difficult to stand out in such a big pool of artists, artist unfriendly deals, more mass media driven than Interested in your style of music



Independent 'Indie':

Find 3 examples & their type of music:

Southern Fried Records (created by Fatboy Slim for House Music), Pickled Egg Records (Leicester, 'quirky, retro-futurism), Fat Cat Records (Brighton, Post Rock)

3 advantages:

Cater to the artist more, more artist-friendly contracts, close personal relationships

3 disadvantages:

Lack of funds, less publicity & promotion, less organised because more informal, less contacts with media.

Music Publishing:

Give definition:

Usually linked with printed music. The business of music publishing is concerned with developing, protecting and valuing music. Music publishers play a vital role in the development of new music and in taking care of the business side, allowing composers and songwriters to concentrate on their creative work. They look after the rayalties to a composer's work.



BMG

warner music group

UNIVERSAL MUSIC PUBLISHING GROUP

Major publishing company:

3 advantages:

Distribution (increases sales), quality of design, marketing and promotion, payment

3 disadvantages:

Usually need to go through an agent, harder to have music published when the company is large, more editing to your original work



-Self-publishing (online):

3 advantages:

Don't need to go through an agent (you can send your work directly to them), you are more in control with the editing process, can be a stepping stone to a larger company, may cater to a specific genre that is different.

3 disadvantages:

Less marketing & promotion, less pay, not the same possibilities of distribution of your work.

Promoters:

Give definition:

Activity that supports (marketing & promotion) and encourages (publicity) a product for public awareness (i.e. live events)

List 5 things promoters do:

- I. Secure a venue for a show
- 2. Promote the show (media, posters)
- 3. Work with the artist to make sure all needs are covered (PA, effects)
- Cover the venue costs & costs of promotion (taking a percentage)
- 5. Earn an agreed-to fee or rayalties





- 3. Grow your sales
- 4. Target the appropriate audience
- 5. Promote your product via media (radio), online...

Marketing & distribution:

Give definition 'marketing':

Marketing: the action of promoting and selling a product

Distribution: the movement of goods (CDs) from the source (record label) through a distribution channel (ITunes, HMV) right up to the customer

List 5 things marketing & distribution do:

1.Advertise the product and introduce new music to fans

2.Connect with fans through video streams (i.e. publicity on YouTube)



Service companies & agencies

-Agency:

Give definition:

An organisation (or business) that provides a particular service on behalf of a business (PRS) or person (artist)

Royalty Collection Agencies:

PRS (Performing Rights Society)

Licenses the composer's copyright (royalties) for public performances of your songs (broadcast, live, recorded).

MCPS (Mechanical Copyright Protection Society)

Licenses the <u>composer's copyright</u> (royalties) for <u>sound recordings</u> (i.e. CD, ringtone). It will be in physical format (i.e. digital).

PPL Licensing (Phonographic Performance Limited)

Licenses the right to perform sound recordings & collects royalties for record companies & performers an recordings.



Artists' representation:

List 3 things the following do for the artist:

- Management

1.Warks on behalf the artist (band) to promote their career

2.Runs their business offairs

3.Secure the best work for their clients & best fee

- PR (Public Relations)
- I. Promote a new release or artist to the media

2. Liaise with labels and the media to get album reviews & profile of the band with interviews

3. Generate as much publicity as possible

- Agent

 (Also called Booking Agent/ Talent Agent) Liaise with bands/artist to agree on tour dates & requirements of tour as well as goal (i.e. promote a new album)

- 2. Take care of financial and logistic requirements (say of a tour)
- 3. Contact promoters & venues to pitch the bands & agree on performance dates.
- 4. Arrange contracts with promoters regarding pay, equipment...

- Stylist

- I. Help the artist/band create a style that reflects their music/genre and help them stand-out
- 2. Choose clothes, hair-style, and jewellery
- 3. Help artist create an image



- 2. Excellent acoustics for rehearsal
- 3. To perform to a small audience/ community event

Transport companies:

List 3 reasons why an artist would hire a transport company:

- 1. Transport equipment when on tour
- 2. Roadle to carry equipment & install
- 3. Hire a sleeping coach for tour around the country



Unions:

Who do the following represent?

-MU (Musicians' Union):

Musicians, Music Teachers, Instrumental teachers

-Equity:

Actors, dancers, stoge managers, choreographers, directors, backstage crew
-BECTU (Broadcast Entertainment Cinematograph Theatre Union):
Media & entertainment trade union, representing broadcasting, film,

List 5 ways the unions represent their members:

- I. Negotiate contracts on behalf of musicians
- 2. Tackle issues raised by musicians when there are employment disputes
- 3. Give advice & support regarding copyright protection or unpaid fees
- 4. Make sure warking conditions are acceptable
- 5. Assist members throughout their careers by net-working

Hire companies:

List 3 reasons why an artist would hire the following:

- Sound & lighting equipment
- 1. Technical expertise.
- 2. Quality of equipment

Engineer to take care of sound/lights so that the artist can focus on the music

Rehearsal & studio space

1. To record a single with best quality equipment possible

Trade Bodies:

What does a trade body do?

A trade body is an organisation founded and funded by businesses that operate in a specific industry.

Who do the following represent?

MPG (Music Producers Guild):

Represents the interests of all involved in the production of recorded music (producers, engineers, mixers, programmers...)

APRS (Association of Professional Recording Services);

Represents those who work in the audio industry in UK (recording studios, record producers, audio engineers...)

PLASA (Professional Lighting and Sound Association):

Represents those who supply technologies and services to events in entertainment (professional technicians in lighting & sound)

JOBS

Performance/Creative Jobs



Musician:

3 examples:

Orchestral player, Conductor (musical director), Backing vocalist

List 4 responsibilities:

1. Train and practise regularly to keep skills to a high standard

2. Turn up to rehearsals on time and prepared

3.Look after instrument (including voice)

4.Learn new music for a show

Composer/ song-writer:

List 5 responsibilities:

- Compose music for a TV programme (quiz show, soap, commercial)
- 2. Compose a song for a famous singer
- 3. Compose music for a special event (coronation)
- 4. Keep to a deadline
- Work with the performer so that the song/composition is at their level of singing/performance







Producer List 5 responsibilities:

1.(Also known as Record producer) Oversee & manage the recording of an artist's music

- 2.Gather ideas for the project & select songs
- 3.Hire (session!) musicians for the project
- 4.Coach the artist in the studio
- 5.Control the recording session
- 6.Supervise the entire process through mixing to mastering

Musical director (conductor):

- List 5 responsibilities:
- 1. Unify performers
- 2. Set the tempo & execute clear indications by conducting
- 3. Execute clear indications & shape the sound of the ensemble
- 4. Guide the orchestra/choir
- 5. Choose the music & study the scores
- 6. Relay ideas to the performers
- 7. Schedule rehearsals





Live sound technician: List 4 responsibilities: 1. Choose suitable microphones & equipment 2. Position & rig-up microphones 3. Do sound-checks 4. Operate the sound desk during shows/recording 5. Look after the equipment



Roadie:

- 1. Carry equipment
- 2. Set up before event
- 3.Look after the equipment
- 4. Pack away at the end of the event

Instrumental support:

3 examples:

- 1. Look after the instrument
- 2. Fix when broken (broken strings)
- 3. Give advice regarding best use of equipment



Artistic management: Also known as Talent

1.Organise & confirm show dates & tours

2.Liaise with record companies

3.Assist with studio planning

ARTIST MANAGEMENT

- 4. Can function as a lifestyle coach for the artist (support)
- 5. Take care of high quality standard
- 6. Exploit marketing apportunities

Venue management:

List 5 responsibilities:

- Ensure that all services are opened and fully functional during scheduled times
- 2. Check Health & Safety is up-to-date
- 3. Give consistent and excellent level of service to clients
- 4. Book artists
- Assist with preparations of shows & supervise the whole process





Studio management:

Management & promotion jobs

Manager

List 5 responsibilities:

1.Administrative control of the studio's operation 2.Schedule times & liaise with clients 3.Engage engineers, session musicians, technical engineers 4.Promotion & marketing of studio 5.Ensure all equipment is H&S and up-to-date

Promoter:

List 5 responsibilities:

- 1. Publicise a concert
- 2. In charge of 'putting on' the show
- 3. Work with artists' agents
- 4. Work with venues to arrange for a show
- 5. Promote the event through advertisement & publicity





Marketing:

List 5 responsibilities:

 Design and implement marketing (i.e selling) plans: album sales, streams

- 2.Gather prices for advertisements and promotions
- 3. Devise promotional events, giveaways, spansorships
- 4. Have a radio/ online compaign for an artist
- 5. Create the artist's image/brand

A&R (Artists and Repertoire):

List 5 responsibilities:

- 1. Scouting for new talent & sign to a record label
- Oversee all the aspect of the process from delivery to finished recordings
- 3. Development of artist as they grow & mature
- 4. Manage the recording process
- 5. Help find songs appropriate for the artist





Recording jobs

Recording studio personnel:

- 3 examples
- 1.Sound engineer
- 2.Producer
- 3.Instrument technician
- List 5 responsibilities:
- 1. Hire engineers & set-up workers & other technical staff

- 2. Select & purchase equipment, ordering repairs
- 3. Establish a schedule
- 4. Oversee mixing & mostering of recording
- 5. Coordinate with client schedules & use of studio space & equipment

Producer:

List 5 responsibilities:

- I. Work closely with sound engineers & audio technicians
- 2. Work closely with recording artist
- 3. Enhance recordings (add instruments to existing tracks)
- 4. Schedule recording times with artists
- 5. Oversee overall production quality of a song





Session musician:

List 5 responsibilities: 1.Turn up on time 2.Rehearse music & keep instrumental level high 3.Follow instructions given by producer/conductor 4.Bring instrument & take care of it 5.Contribute partly (at times to the writing of an arrangement

Mastering:

List 3 things a mastering engineer does:

- 1. Complete the oudio mastering process for an album
- Prepare & transfer audio from one raw format to a desired master format
- Refine the sound quality & make subtle nuances to create an appealing sound





CD manufacturer:

List 3 things a CD manufacturer does:

- 1.Master CDs of high quality
- 2. Transport to distribution outlets (stores or online)

3.Duplicate CDs

Media & other jobs

Music journalist/blogger:

3 examples of what they do:

- 1. Write reviews about an artist's concert/album
- 2. Attend shows, concerts, events
- 3. Listen to CDs, online music, new talent





Broadcaster (TV & radio)

- 3 examples of what they do:
- 1.Interview artists
- 2.Select music for a show
- 3.Present music show & discuss trends

Software programmer/ app developer:

3 examples of what they do:

- Create apps, musical programmes: sequencing (Logic), notation software (Sibelius), music games
- 2. Up-date the programme regularly
- Create computer programmes that assist musicians with their training (aural tests, music theory)





Retail & distribution:

- 3 examples of what retail does:
- 1.Record shop/store/online that sells recorded music
- 2.Online: ITunes, Spotify, Amazon
- 3.Shops: HMV, specialist shops

3 examples of what distributor do:

- 1. How albums get into shops
- Sign deals with record label that gives them the right to sell that label's products
- 3. Takes a cut of the income from each album sold



EMPLOYMENT PATTERNS

Define:

- Full-time:

Standard is 37-40 hours/week. Contract may include pension, paid holidays, sick time. Will usually be longterm.

Part-time:

A contract as above, but not full-time. Can vary from one day - four days. Will usually be long-term.

Ereelance:

Self-employed & is not committed to a particular employer long-term. No long-term contract!

Self-employed:

Working for yourself rather than for a business or someone else.

Permanent v causal:

Permanent affers guaranteed work for a certain length of time & job security.

<u>Casual</u> is not secure as it varies according to the work on offer, but it does give flexibility and choice as to organising your time.



GETTING A BREAK & STARTING OUT

What would be your 10 point plan to break in the music industry with your band?

 Be passionate, hard-working, resilient, patient, and don't give-up

2.Have an instrumental/vocal coach to guide your technique & musical skills

3.Do voluntary concerts in local venues (bars, theatres) to gain experience & put on your CV

4. Send examples of your work (demo) to music agents, record labels & publishers (if composing)

- 5. Use social media to pramote yourself (YouTube, Sound Cloud, blog)
- 6. Create your own personal style (music and clothes)
- Sign contracts with caution and read the small-print (have a lawyer/solicitar far advice) or join a union
- Find an agent/manager who will cater to your musical needs & requirements
- 9. Take care of yourself (healthy lifestyle)
- Network as much as possible (social media, playing as a preceding act for more famous artists)




*You are recording your single at HCC Recording Studios. List 10 of your responsibilities:

- 1.Arrive on time to rehearsals
- 2.Practice my part thoroughly
- 3.Make sure my instrument (including voice) is in good condition
- 4.Bring any music or other equipment needed (capo, pick, score)

 Be ready to work hard and go over a section several times until it is perfect

- Work as a team with the recording personnel and other members of the band
- Listen to recording and perfect it until it is of the best guality
- 8. Promote the recording on social media
- 9. Go on tour in the area to promote single
- Keep developing musical style and learning from the experience: always grow and improve (practise)





You are on a tour with your band in London. List 10 different roles that are involved & their responsibilities

1.Ensure there is all the equipment needed (instruments, stands, music, amps, picks, etc.)

2.Carry the Instruments & transport from one venue to another (roadie)

3.Install equipment on stage (roadie)

4.Check quality of sound (sound engineer) & instruments are not damaged (instrument technician)

- Liaise with venues to promote the tour and make sure it is advertised (on blog, in newspaper) (promoter)
- Rehearse an stage & check the venue is safe & appropriate for band (venue manager, agent)
- 7. Think of style & presence (stylist)
- Do interviews on radio/TV to make the band known & promote tour (agent)
- Check contracts, fees, expenses (agent, Musicians' Union)
- Book hotels, transport, venues (agent/ promater)



Year 10

P. E.

Sport Science RO41-Injuries in Sport- What I need to know

	Topic	4	3	1
	Extrinsic factors			
	I know how the type of activity can affect the injury risk (eg contact v			
	I can describe how coaching supervision can affect the risk of injury (technique, communication, rules and regulations)			
injury	I can identify environmental factors that might affect the risk of injury (weather, playing surface, other participants)			
risk of	I know how equipment can influence the risk of injury (performance, protective, clothing)			
nce the	I can describe the purpose of a risk assessments to reduce the risk of injury			
Illue	I can identify hazards in sport			
chir	I know the 3 components of an Emergency Action Plan		j.	j.
whi	Intrinsic factors		2	
01: Factor	I can discuss how physical preparation can reduce the risk of injury (training, warm up, cool down, fitness levels, overuse, muscle imbalances)			
E	I can describe individual variables that a coach needs to consider			
	I can identify psychological factors to reduce the risk of injury (motivation, arousal, aggression levels)			
	I can identify causes of poor posture			
	I know the 5 sporting injuries related to poor posture			5.5
	I can identify the physical benefits of a warm up		8	
iury	I can describe the psychological benefits of a warm up		-	-
up and ts on in	I know the 5 key components of a warm up, including a description and examples			
arm	I can describe the physical benefits of a cool down			
2: W Wn 6	I know the 2 key components of a cool down			
의원	I can discuss specific needs which must be considered for a warm up and cool down by a coach (SAFE STEM)			

	Topic	2	3	1
	I can describe what an acute injury is, and give examples			29 - A
	I can describe what a chronic injury is, and give examples		1	37 S
	I can describe the causes, symptoms and treatment for blisters		5	63. A
sport	I can describe the causes, symptoms and treatment for sprains/strains			
within	I can describe the causes, symptoms and treatment of fractures (open and closed)			
ints	I can describe the causes, symptoms and treatment for abrasions			37 - A
tme	I can describe the causes, symptoms and treatment for contusions			
trea	I can describe the causes, symptoms and treatment for concussion			
pa	I can describe the causes, symptoms and treatment for cramp			2) 14
uries a	I can describe the causes, symptoms and treatment for chronic/overuse injuries (shin splints, tennis elbow, golfers elbow, Achilles tendonitis)		1.	
03: Ini	I can describe the causes, symptoms and treatments for chronic injuries related to children (osgood schlatters and severs disease)			12
-1	I can discuss RICE in detail and know when to use it			3. A
	I can explain the on field assessment SALTAPS		1	97 - A
	I know other treatment methods and when to use them (eg slings, massage, taping, bandaging, hot/cold treatments)			
	I can state the reasons for and benefits of an Emergency Action Plan (EAP) in a sporting context	2	E.	2
	I can identify the symptoms of asthma			
<u>uns</u> LEPSY	I can describe how to treat someone suffering from an asthma attack			
, EPI	I can describe what diabetes is			1
ETES	I can compare the difference between type 1 and type 2 diabetes			
<u>edica</u> DIAB	I can identify symptoms of someone suffering from diabetes		5	
04: Mi HMA, I	I know the treatment methods for someone who is diabetic (for hypoglycaemia and hyperglycaemia)			
L (AST	I know the symptoms of someone suffering from epilepsy		5	
	I know the treatment for someone having an epileptic seizure			
1				10 j



Year 10 PE Revision







	I conditions	Medica			Environmental factors
	ince of group	Experie			Fitness levels
	rature	Tempe			Age
	lity	Suitabi			Size of group
		ng specific needs?	rm up for the followin	coach adapt the war	How might the
	μ				
	2				
	1				5
physical benefits of performing a cool down to lower the risk	ldentify 🖁 p of injury.				4
					ţu
suitable cool down for a games player	Describe a s	ldentify 5 physical benefits of an efficient warm up			2.
					P
			Example	Description	Component
9	ning a warm up	Explain 2 psychological benefits of perforr	e the 5 key n up	e the table to describ omponents of a warn	Complete
	aomin'ny form	w appropriate warm op and coor			
nes can help to prevent iniury.	down routir	w appropriate warm up and cool	: Understand how	102	







<u>Are the following statements true or false?</u> A symptom of asthma is high blood sugar A treatment for asthma is sugar A symptom of epilepsy is fitting A treatment for epilepsy is an inhaler A symptom of diabetes is extreme tiredness.	and is having difficulty breathing?	Identify 3 symptoms that might determine someone is having an asthma attack. 1. 2. 3. How could you treat someone who has asthma
What is hypoglycaemia? How would you treat someone who is hypoglycaemic?	What is the difference between type 1 and type 2 diabetes? What are three symptoms of someone who has diabetes? 1 2 3	LO4: Know how to respond to medical conditions
Remember someone who has epilepsy will have an emergency care plan. This can be referred to as a treatment method if someone is having a seizure. It has details of medication on it, emergency contacts etc.	How would you treat someone who is having an epileptic seizure?	Identify 4 symptoms of someone who is having an epileptic seizure 1. 2. 3. 4.

Year 10

R. E.



Year 10 RE Revision

What I Must Know	<u></u>	
Key Terms		
Who was Plato?		
Plato's Allegory of the Cave		
Plato's ideas on the role of the philosopher		
Who was Aristotle?		
Aristotle's four causes		
a, b and c question structures		

 The role of the Philosopher To break free of the chains of the material world and glimpse true reality. To inform everyone in this world that there is more to life than the material world. To search for true 'goodness'. To be rulers and leaders in the material world. 	 know as prisoners is the shadows. A prisoner's (the philosopher) chains come loose and they manage to leave the cave and escape in to the light of the sun. Out of the cave and in the real world the prisoner can see the actual form of the objects, not just the shadows. Eventually they can look at the sun which represents 'good'. When he returns to the cave to tell the other prisoners they don't believe him and even plot to kill him. The prisoner who escapes is the true philosopher 	 Plato used an allegory (a story that reveals a hidden meaning) of a cave to explain his ideas on the 'world of forms' and the role of the philosopher. We are all born as prisoners in a cave chained with our backs to a wall. We have been there all our lives in the dark. Behind the wall is a path. People walk along the path holding various models of objects on sticks. The fire makes a shadow of the models on to the wall in front of the prisoners. The only reality we 	The Allegory of the Cave	 Lived 427-347 BC in Athens, Ancient Greece A student of Socrates' Dedicated his life to discovering Created a school of philosophy called The Academy Believed in a world of forms to explain how humans know goodness. 	Plato	🚧 KS4 Ethics and Belief Cyc
 efficient cause of the window breaking. Final Cause This is the goal or purpose of the formal cause. Why they do what they do. Why do balls break windows? The final cause says that because balls are hard and windows are brittle, they break. 	 ✓ E.g. The human body is human. The difference between a mere collection of cells and a human body is that a human body has properties and functions that come from a particular arrangement of the right kind of cells doing the right kind of things. A Efficient Cause ✓ This is what changed the material cause in to the formal cause. ✓ E.g. If a ball broke a window, then the ball is the 	 ✓ What something is made out of. ✓ What something is made out of. ✓ E.g. The human body is made up of cells. Wooden boxes are made up of wood. Computers are made out of transistors and other electronic components. Formal Cause: ✓ What makes a thing one thing rather than many things. 	The 4 Causes	 Born in northern Greece around the year 384 BC A student of Plato's at The Academy in Athens Private teacher to Alexander the Great Believed the world could be known by observing it Believed that everything had 4 causes (or explanations) 	Aristotle	cle 2 Revision Knowledge Orga
 Final Gause: the purpose or goal that a thing moves towards, one of Aristotle's four causes. Pro-Life: the movement who oppose abortion Pro-Choice: the movement who believe women should have access to abortion 	which a thing is made from, one of Aristotle's four causes. Formal Cause: the kind of thing that something becomes, one of Aristotle's four causes. Efficient Cause: the agent that brings about the change in something, one of Aristotle's four causes.	that there must be an eternal world where our soul existed that contains a perfect form of everything, including 'goodness'. Allegory of the Cave: Plato's story to help explain the spiritual and material worlds, and the role of the philosopher.	World of Forms: Plato's theory	Agnostic: a person who is not sure if God exists Source of Authority: a book, text or organisation that guides people on their beliefs e.g. The Bible for Christians	Key Terms	niser 💫



	1	
Question Structures	Model Answers	Practice Questions
Section 1	Section 2	Section 2
Complete the 10 different sentences using your knowledge of the Key Terms	(a) Outline 3 ways that participate in the Genesis creation story [3 marks] Firstly, God gives humanity dominion over all creatures and the	(a) Outline three of Aristotle's four causes. [3 marks]
Section 2	earth. Secondly, humanity has a duty to be stewards over the earth by taking care of it for the next generations. Finally, woman is created using the rib of the man Adam.	(a) Outline three characteristics of a philosopher. [3 marks]
(a) Outline 3 ways	(b) Describe 3 wave that the Connects provide story is	(a) Outline three characteristics of Plato's
[3 marks] Firstly…	(b) Describe 2 ways that the Genesis creation story is different to scientific theories	Cave. [3 marks]
Secondly	Firstly, the Genesis creation story describes the world being	(b) Describe two of Aristotle's four
	the universe was formed over 13.8 billion years.	points. [4 marks]
(b) Describe 2 ways_ is different to	Secondly, the genesis creation story describes God making all living creatures, whereas the theory of evolution suggests that all	(b) Describe two features of Plato's cave.
[4 marks]	living creatures evolved from more simple life forms.	Use examples to develop your points. [4
Firstly, whereas	(c) Explain 2 reasons why Christians believe Jesus saves	marks]
Secondly, whereas	them from their sins [5 marks] You must support your reasons with evidence from the	(b) Describe two views on religious belief.
(c) Explain 2 ways	Bible.	Use examples to develop your points. [4
[5 marks]	Firstly, Christians believe Jesus saves them from their sins, because in life people can separate themselves from God.	marks]
with evidence from the Bible.	Therefore, they need God's forgiveness which is given to them	(c) Explain two purposes of a philosopher
Firstly, because	Secondly, Christians believe Jesus saves them from their sins,	according to Plato. You must support your
Therefore/For example	because they believe all people are born with original sin. This	reasons with evidence from a source of
Secondly, because Therefore/For example	means that they share in the first sin of Adam and Eve. This is supported by the book of Genesis which states that "God	authority. [5 marks]
This is supported by,	banished them from the Garden of Eden" Because of their original sin. Therefore all their descendants are	
because/therefore/this means	born outside of Eden.	