Student Name:



MAGNUS CHURCH OF ENGLAND ACADEMY

Knowledge Organiser: February 2025

Year 11

"Wise men and women are always learning, always listening for fresh insights." Proverbs 18:15 (The Message)

Determination - Integrity - Ambition - Humility - Compassion

Using Your Knowledge Organiser

Your teachers have worked hard to produce this document for you and have selected the most important knowledge that you will need to know to make good progress in their subjects. You should aim to learn all the information in your knowledge organiser off by heart.

Try out some of the strategies listed here to help you achieve this.

- Read the knowledge organiser and ensure you understand it. Try and make links between the information on it and what you already know and do.
- 2. Look, Cover, Write, Check the traditional way of learning spellings!
- 3. Create a Mnemonic Using the first letters of keywords create a memorable sentence or phrase.
- Create an acronym using the first letters of keywords to create a word to prompt you to remember all of the information.
- 5. Write it out in full on a blank version of the same format.
- 6. Write it out in note form, reducing it to key ideas or words. Try the same format but a smaller piece of paper.
- 7. Recreate the knowledge organiser as a series of images and words



- 8. Write a set of test questions for yourself using the organiser.
 - Answer these without the organiser the next day.
 - Swap your questions with a friend to increase challenge.
 - Turn your questions in to a game by putting them on cards and playing with friends.
- Chunk the knowledge into smaller bitesize sections of around
 pieces of information. Concentrate on mastering a chunk
 before you start on the next.
- 10. Try to make connections between the information and people you know. E.g. Visualise yourself trying these strategies with a specific teaching group.
- 11. Talk about the information on the knowledge organiser with another person. Teaching someone else about it helps us learn it.
- 12. Say the information out loud rehearse it like learning lines for a play, or sing it as if you are in a musical!

Year 11 Half term three key vocabulary

English Language	English Language	Maths	Maths	Science - Biology	Science-Chemistry
Comment	Exertion	Data	Data	Resolution	Intermolecular forces
Evidence	Slacker	Average	Bivariate data	Transpiration	Electrostatic attraction
Dramatic	Stingier	Ungrouped data	Correlation	Communicable disease	Atomic mass
Exciting	Nuisance	Grouped data	Cumulative	Vaccine	Activation energy
View	Faith in humanity	Frequency	Histogram	Photosynthesis	Overall energy change
Tone	Overwhelmed	Construct	Mean	Limiting factor	Acid
Effect	Crowdfunding	Interpret	Median	Diffusion	Alkali
Impression	ТАР	Line of hest fit	Mode	Alveoli	Base
Unrewarding			Bange		Salt
Seldom			hunge		Sur
Pacify					
Science – Physics	History	Geography	Spanish	GCSE BS	Sociology
Beneatability	Successor	Abiotic	Noun	Karupa	Social exclusion
Benroducibility	Illegitimate	Biotic	Adjective	Metta	Social inequality
Zero error	Hoir	Elora	Verb	Loving-kindness meditation	Social mobility
Pandom orror	Witan	Equipa	Connectivo	The Five Moral Procents	Social stratification
	Housecarls	Littor	Connective Opinion work	Kamma	Social stratification
Anomalous result	Housecaris	Litter		Kdillild The Six Derfections	Status
Non renewable	Cavaliy	Biomas		Conorosity	Weelth
Non-renewable	Daneiaw	Biomes	Frequency expression	Generosity	weath
	Earis	Ecosystem	Conjugate	Norality	weifare dependency
	Sub-regulars	Nutrient cycle	Adjectival agreement	Patience	
	Post Obitum	Food web and chains	Wow phrase	Energy	
			Exclamation	Meditation	
Drama	Child Development	Dance	Art	Sport	Technology
Venue	Delayed gross motor skills	Command words	Response	Increased tourism	A static load
Target audience	Delayed fine motor skills	Subject Specific Vocabulary	Develop	Increased trade	A dynamic load
Style and genre	Poor concentration levels	Stimulus	Experiment	Boost to business	Tension
Personnel	Down's syndrome	Motif	Annotate	New facilities	Tensile
Marketing	Embryo	Development	Review	Make a profit	Compression
Budget	Delayed literacy skills	Choreographic device	Refine	Regeneration of new areas	Compression strength
	English as an additional language	Choreographic intent	Primary source	Political (popular with voters)	Torsion
	Transitions	Action	Composition	Increase in national pride	Torsional strength
	Initiate play	Space	Analyse	People enjoy it	Bending
	Sustain involvement	Dynamics	Resource		Shear
	Isolate				
Construction	iMedia	Hospitality and Catering	Music	<u>Enterprise</u>	<u>Core RS</u>
Structure	Visual Identity	Carbon footprint	Time signature/metre	Demand	Afterlife
Sustainability	Visualisation Diagram	Greenhouse gases	Common time	Financing	Eternity
Harvesting	Mind Map	Reduction	Time signatures	Contingency plan	Funeral
Roofing	Moodboard	Roux sauce	Cut common time	Gross profit	Heaven
Insulation	Central Subject Node	Substitutions	Monophonic	Loan	Hell
Boarding	Topic Node	Blanch	Antiphonal	Tax	Judgement
Panels	Sub Node	Organoleptic	Melody & accompaniment	Recession	Medium
Party walls	Connector/Branch/Line	Dovetailing	Homophonic	Legislation	Nibbana
Interior	Conventions	Mis en plas	Polyphonic	Competitive Advantage	Near death experience
Exterior	Concept sketches	Gelation	Call and response		Paranormal activity
			Octaves		, Rebirth
			Pedal		Reincarnation

Year 11 English Language

DUX I. VUCADUIALY.

Box 3: Varying Sentence Starts:

Term	Definition	Na	arrat	tive/ Fic	tion Writing (C1):	Transactional Writing (C2):
Unrewarding	Not satisfying; unimportant; lacking feelings of achievement or usefulness.			When Where	it happened, it happened	When it happened,
Seldom	Rarely; hardly.	 Adver Pair of With of Verb s Simile No It was Adjeo So, so Show Triple 		Adver	b start, pairs, +action, start, start, No No, only n't just, it was, tive start, , so: three: tell one.	 What if? It wasn't just, it was Triple adjective: Adverb start, If, if, if, then Not only, but also It wasn't just, it was, So, so, so:
Pacify	To quell the anger, agitation, or excitement of.			Pair of With a		
Exertion	Physical or mental effort.			Verb s Simile		
Slacker	Someone who habitually avoids work or lacks work ethic.			No It wasr		
Stingier	Mean; ungenerous; unwilling to spend money; insuffi- cient.			Adject So, so, Show t		
Nuisance	A person or thing causing an inconvenience or annoy- ance.			Triple o	adjective:	No No, only
Faith in humani-	The belief that the good in humans outweighs the bad.	Bo	x 4:	Tier Th	ree Vocabulary:	
	d Bury or drown underneath a huge mass of something; have a strong emotional effect on.		Term Definition Comment A strong feeling deriving from with others		Definition	
Overwhelmed					A strong feeling deriving from with others	one's circumstances, mood, or relationships
Crowdfunding	The process of sourcing financial backers from a large number of small scale investors.		Evidence A description of something		A description of something that	at makes people feel strong emotions.
Boy 2: Boforo t	ockling on writing tock	Dramatic		C	(Of an event or circumstance) sudden and striking.	
Box 2. Before ta	acking any writing task	Exciting			Causing great enthusiasm and eagerness.	
Fix the TAP :		View			Regard in a particular light or with a particular attitude.	
1. Identify the	text type: article, review, letter, speech/ talk.	Te			The writer's use of words and writing style to convey his or her attitude	
2. Identify who the audience is: parents, teachers, students, teens.		101	ne		towards a topic.	
 Identify the 	dentify the purpose : argue persuade inform entortain advise		Effect A		A change which is a result or consequence of an action or other cause.	
instruct, review and evaluate.		Impression		on	An idea, feeling, or opinion about something or someone, especially one formed without conscious thought or on the basis of little evidence.	

Year 11 — English Literature Paper 1 Revision

Macbeth		An Inspector Calls		English Literature Paper 1		
'For brave Macbeth	Macbeth is portrayed as a strong and loyal soldier,	'The Titanic – she sails	Mr Birling uses the titanic as a symbol of	How long is it?	1 hour, 45 minutes.	
well he deserves that name'	respected by others and the King. This is important as it inflates the tragedy of his downfall and emphasises how his ambition poisons him and turns him evil.	next week…and unsinkable, absolutely unsinkable.'	how capitalism is supreme, but Priestley uses dramatic irony as the audience is aware that it is hit by an iceberg and sinks. This is a metaphor for the family's	How many questions are there?	You have to answer two questions on Macbeth (1 hour) and one question on An Inspector Calls (45 minutes).	
'Stars, hide your fires; / Let not light	This clearly identifies the contrast between light and darkness (good and evil) and how Macbeth is	"But these side crow't	future in the play, but also their selfish belief in capitalism,	How do I answer 1 (a) Macbeth? <i>This</i> <i>is an extract</i>	Read the question carefully, find the key words. Highlight/underline at least three different quotations you can	
see my black and deep desires, / The eye wink at the hand. '	conflicted by his deep evil ambitions and the consequences of his actions both personally and religiously (stars being heaven).	cheap labour- they're people."	able to change and begins to see those in a lower class as people, not commodities.	question.	explore that help answer the question. Be clear in your answer that you know when the extract is from in the text.	
'Come you spirits, that tend on mortal	Lady Macbeth shows her own ambition to be less feminine and take on the role of her husband,	"If we were all responsible for	Mr Birling's capitalistic attitude is		Write at least three analytical paragraphs, using quotations in each one. WHAT HOW WHY	
thoughts. Unsex me here, and fill me, from the grown to the	asking spirits to fill her with evil and the ability to kill the King to achieve power. It shows her	everything that happened to everybody we'd had anything to do with, it	conflicted by Priestley and Inspector Goole's belief that society should work as a community and take responsibility for		Ensure that you unpick the language of each quote to further your analysis.	
toe, top-full of direst cruelty"	willingness to welcome evil into her life, and emphasises the link between the supernatural and	would be very awkward, wouldn't it?"	one another. He views this as 'awkward'.	How do I answer 1 (b) Macbeth? <i>This</i>	Read the question carefully, find the key words.	
<i>"Will all great Neptune's ocean wash this blood</i>	After killing Duncan, Macbeth is overcome with guilt, represented through the motif/symbol of blood in the play. Here he says that even all the	"Why shouldn't they try for higher wages? We try for the highest possible prices"	Eric, as part of the younger generation, is also different from his father, showing how the young can change and take responsibility for their actions.	is an essay question.	Make a quick bullet point plan of moments in the play you can write about linked with the question, for example a question about Guilt will reference the moment in Act 2 when Macbeth returns from killing Duncan.	
clean from my hand"	seas could not wash it from his hand, he will forever feel it.	"I'm sorry she should	Mrs Birling as part of the older more		Remember you cannot use the scene from the extract in this question.	
'To be thus is nothing but to be safely thus'	After becoming King, Macbeth is still not content that his ambition is fulfilled. His paranoia has set in and he worries about Banquo and his son.	horrible end. But I accept no blame at all"	entrenched upper class is unable to take responsibility for her actions and the effect it has on others.		Write at least three analytical paragraphs, (WHAT, HOW, WHY) referencing different moments in the play. You don't need to use quotes here, you can just talk about the moment in the naw	
"I am in blood, steeped in so far, that, should I wade no more, returning	After killing Banquo and being haunted by his Ghost, Macbeth decides that his evil actions have taken him this far and to turn back would make his	'The point is, you don't seem to have learnt anything.'	At the end, when the Inspector leaves and they begin to question his existence, Sheila tells them that they have not learned the lessons the inspector has tried to teach, that their capitalistic and		In your analytical paragraphs, you must discuss how the play links with the context (great chain of being, supernatural, James I, patriarchal society etc.)	
were as tedious as go o'er"	would have it all have been for nothing.	Man dowth lives of a way Man	selfish attitude has led to the death of a vulnerable woman.	How do I answer 7 or 8 An Inspector	Read the question carefully, find the key words. Make a quick bullet point plan of moments in the play you can	
<i>"Will these hands ne'er be clean?'</i>	Lady Macbeth is also overcome with guilt by Act 5, even after previously showing little regard for Duncan's death in Act 1 and 2. She sleepwalks, trying to clean her hands of the blood (guilt) that eventually leads top her death.	We don't live alone. We are members of one body. We are responsible for each other. And I tell you that the time will soon come when, if men	The repetition of 'we' emphasises how society needs to work as a collective, as 'one body'. Priestley uses dramatic irony again here as 'fire and blood and	Calls? This is an essay question.	write about linked with the question, Write your introduction, ensuring you write about the context of the play in detail before linking it to the question. Write at least five analytical paragraphs (WHAT, HOW, WHY), referencing different moments in the play. You don't need to	
'dead butcher, and his fiend-like queen'	Malcolm's final words on Macbeth and Lady Macbeth as he takes back the crown of Scotland in the final scene of the play, emphasising the effect their ambition ultimately had on them.	will not learn that lesson, then they will be taught it in fire and blood and anguish.	destruction of WW1 and WW2. By believing in socialism and not capitalism, Priestley is arguing that society can avoid future conflict and pain.		use quotes here, you can just talk about the moment in the play. In your analytical paragraphs, you must discuss how the play links with the context in detail (socialism, capitalism, younger generation v older generation, patriarchal systems)	

Subject: Mathematics

Subject terminology - Statistics				
Data	Information recorded for statistical purposes			
Average	A calculated central value in a set of data, e.g. mean median and mode			
Ungrouped data	Data that has not been categorised			
Grouped data	Data that has been sorted into categories based on the variable you are interested in			
Frequency	The number of times an event or value occurs			
Construct	Accurately draw a graph to display given information			
Interpret	To retrieve information from a chart of graph			
Line of best fit	A line on a scatter graph which shows the general trend			

How to : estimate the mean from a grouped frequency table



Estimated mean = $\frac{294}{25}$ =11.76

1) Find the midpoint (centre) of each group by adding the end points and dividing by 2

- 2) Multiply the midpoints by the frequencies
- 3) Sum the 'frequency' and the 'midpoint \boldsymbol{x} frequency' columns
- 4) Divide the 'midpoint x frequency' total by the 'frequency' total
- 5) Check does the mean fit within the data range?

Scatter arap<u>hs</u>

Scatter graphs show the relationship between **bivariate** data (data that has two variables). Here, each point on the scatter graph shows the temperature and the ice cream sales of a different day

We can draw a **line of best fit** on our graph to show the general trend and use that line to **interpolate** (estimate the corresponding value of a value within the range of our data). Interpolation is generally a reliable way to estimate

We can also use a line of best fit to **extrapolate** (estimate the corresponding value of a value outside the range of our data). Extrapolation is less reliable as we can't be sure what happens to the trend outside of our recorded data





How to : calculate averages and the range			
13, 6, 3, 100, 3			
Mean	Add up all of the values	2 + 2 + 6 + 12 + 100	
	then divide by how many	$\frac{3+3+6+13+100}{5} = 25$	
	pieces of data you have	5	
Median	Middle value when the	3, 3, <u>6</u> , 13, 100	
	data set is in size order	The median is 6	
Mode	Most common value	The mode is 3	
Range	Largest value subtract smallest value	100 - 3 = 97	

100 105 110

Subject terminology - Statistics				
Data	Information recorded for statistical purposes			
Bivariate data	Data on each of two variables, where each value is paired with a value of the other variable.			
Frequency	The number of times an event or value occurs			
Correlation	A mathematical relationship, if present it can be positive or negative			
Interpret	To retrieve information from a chart of graph			
Cumulative	The sum of all frequencies at a given point in a frequency table			
Histogram	A graph whereby the frequency is represented by the area of each bar.			

Drawing a histogram

In a histogram, the area of the bar (and not the height) represents the frequency of the data.

To calculate the height of the bar, we use

ro calculare m	e neight er i	ne bar, we ase	
	freque	ency density $=$ $\frac{fr}{cla}$	requency ass width
Example:			frequency density
Height, <i>h</i> cm	Frequency	FD	
65 ≤ h < 75	2	$2 \div 10 = 0.2$	2.0 -
75 ≤ h < 80	7	$7 \div 5 = 1.4$	
80 <u>≤</u> h < 90	21	$21 \div 10 = 2.1$	1.0 -
90 <u>∢</u> h < 105	15	$15 \div 15 = 1.0$	
105 <u>≤</u> h < 100	12	$12 \div 5 = 2.4$	65 70 75 80 85 90 95 100 105
			values of height(h) cm

Drawing a Cumulative Frequency Curve

Length	Frequency	Cumulative Frequency
20.5 < h ≤ 24.5	3	3
24.5 < h ≤ 28.5	7	10 (= 3 + 7)
28.5 < h ≤ 32.5	12	22 (= 3 + 7 + 12)
32.5 < h ≤ 36.5	6	28 (= 3 + 7 + 12 + 6)
36.5 < h ≤ 40.5	4	32 (= 3 + 7 + 12 + 6 + 4)

1. Complete the cumulative frequency table (as above)

2. Plot cumulative frequency on the y-axis and length on the x-axis 3. Plot each point at the upper-class boundary and connect with a smooth curve.

4. The median can be found by finding the halfway point on the y-axis (32÷2 =16) drawing a line across until it intersects the curve and drawing a vertical line down to the x-axis

5. The interquartile range is found by splitting the curve into quarters and subtracting the LQ value from the UQ value





Subject: Science - Chemistry

Topic: Chemistry Paper 1

Bonding



The **metal** atom will lose an electron and become a positively charged ion the non metal will gain the electron and become a negatively charged ion.

An ionic bond is the strong electrostatic force of attraction between oppositely charged ions.

Metallic Bond

Electrostatic attraction between the electrons (**O**) and metal ions (Metals need to lose electrons to become stable. If there are only metal atoms around the electrons have nowhere to go and become delocalised - they are free to move from ion to ion.

A metallic bond is the strong electrostatic forces of attraction between delocalised electrons and metal ions.





Two or more non metal atoms will share electrons to fill their outer shell.

metalloid)

A covalent bond is the strong force of attraction between the nuclei of two atoms that are sharing one or more pairs of electrons

less energy than the bonds in the reactants.

Endothermic reactions takes in heat from the surroundings. The energy in the bonds in the products have more energy than the bonds in the reactants.

Endothermic and Exothermic Reactions Energy Graph



Subject Terminology

Key Word	Definition
Intermolecular forces	Weak forces of attraction between covalent molecules.
Electrostatic attraction	Forces of attractions between oppositely charged ions in a giant ionic lattice.
Atomic Mass	The number of protons and neutrons in the nucleus of an atom
Activation energy	The minimum amount of energy required to start a reaction
Overall energy change	The difference in the energy of the reactants and products in a reaction

Energy Changes

Exothermic reactions release heat energy into the surroundings. The energy in the bonds in the products have

Subject: Science - Chemistry

Topic: Chemistry Paper 1



A more reactive metal will
displace a less reactive metal
from a compound.
-

of **electrons** from a substance. It is also the gain of oxygen by a

Reduction is the gain of electrons by a substance. It is also the loss of oxygen from a

	Grou • 1 e ou ma rea • Eas ele shu ou • Th ior • Th • Th • Th • de	b 1 Elements lectron in the ter shell. This ikes them very active. silly lose one ctron in outer ell to form a full ter shell. ey form positive is. ey're soft. ey have a low nsity.		
		Group 0 Elements		
		 Also called the noble gases. 		
aloge v forn	ns. n	 Colourless gases at room temperature. 		
ontai	n	All have 8 electrons in		

Subject Terminology

Key Word	Definition
Acid	A substance that when dissolved in water it has a pH of less than 7 and release H+ ions.
Alkali	A substance that when dissolved in water it has a pH of more than 7 and release OH- ions.
Base	A substance that can neutralise acids, they can be soluble (alkali) or insoluble.
Salt	A compound formed when some or all of the hydrogen in an acid is replaced by a metal.



Identify the variables

Independent variable – the variable that is changed during a scientific experiment when you carry out a repeat.

Dependent variable – the variable being tested or measured during a scientific experiment.

Control variable – a variable that is kept the same during a scientific experiment. Any change in a controlled variable would invalidate the results.

Subject: Science - Biology



Topic: Biology Paper 1

Exchange surfaces and specialised cells

Specialised cell / exchange surface	Function	Adaptations		
Alveoli	Gas exchange in the lungs. Oxygen moves into the blood and carbon dioxide moves out	Large surface area Short diffusion pathway Steep diffusion gradient		
Root hair cells	To absorb water and minerals from the soil in plants	Large surface area Short diffusion pathway Steep diffusion gradient		

Surface area to volume ration of a cube



- 1. Calculate the surface area of 1 side of the cube by using base x height
- 2. A cube has 6 sides so to calculate the total surface area x the surface area of one side by 6.
- 3. Calculate the volume of the cube by doing base x height x width
- 4. Now divide surface area by the volume to get the ratio

Key Word	<u>Definition</u>
Photosynthesis	The process by which plants make glucose using carbon dioxide and water and energy from light
Limiting factor	Anything that slows down the rate of photosynthesis
Diffusion	The movement of particles from an area of high to low concentration
Alveoli	Tiny air sacs found in lungs that maximise the rate of gas exchange

Photosynthesis key practical

- Set up a test tube rack containing a boiling tube at a distance of 10 cm away from the light source
- 2. Fill the boiling tube with the sodium hydrogen carbonate solution.
- 3. Place the piece of pondweed into the boiling tube with the cut end uppermost. Gently push the pondweed down with the glass rod.
- 4. Leave the boiling tube for 5 minutes.
- 5. Start the stop watch and count the number of bubbles produced in one minute
- 6. Record the results in a table
- 7. Repeat the count twice more so that the mean number of bubbles per minute can be calculated.
- Move the test tube rack to a distance of 20 cm from the light source and repeat steps 4–6.
- 9. Repeat using distances of 30 cm and 40 cm between the test tube rack and the light source.



Independent variable = Light intensity

Dependent variable = Number of bubbles per minute

Control variables = Temperature (L.E.D), concentration of sodium hydrogen carbonate solution, same pondweed cutting

Subject: Science - Physics

Topic: Physics Combined Science Paper 1

FI	er	tri	ici	tν
E	ec	τη	ICI	τγ



Equations to learn				
Symbol equation Word equation				
P = I V	Power = current x potential difference			
$P = I^2 R$	Power = current ² x resistance			
Q = I t	Charge flow = current x time			
E = P t	Energy = power x time			
	Efficiency = $\frac{\text{useful energy output}}{\text{total energy input}}$			
V = I R	Potential difference = current x resistance			
E = Q V	Energy = charge flow x potential difference			
E _p = m g h	Gravitational potential energy = mass x gravitational field strength x change in height			

Electricity in the Home

Mains electricity is alternating current (AC). This means the potential difference changes direction.

Mains frequency = 50Hz Mains potential difference = 230V



Subject: Science - Physics

Topic: Physics Combined Science Paper 1

		-	
	Structure	Ionising Power	Stopped by
Alpha	2 protons 2 neutrons	Strong	Paper, skin
Beta	Fast moving electron	Moderate	A few mm of aluminium
Gamma	Electromagnetic wave	Weak	Thick lead or concrete

Radioactivity

<u>Rutherford's alpha scattering experiment</u> Disproved the plum pudding model

- 1. Alpha particles were fired at very thin gold foil
- They expected the alpha particles to pass straight through because the positive charge was evenly distributed through the atom.
- The actual result was that most went through the gold foil but some alpha particles were partially deflected, some particles bounced straight back.
- They decided there must be something dense and positive in the centre of the atom (the nucleus)



Ionisation vs Excitation

Ionisation: an electron is

removed from the atom.

incoming photon electron movies absorbed by an electron in the electron in the





Energy stores

- Gravitational potential energy stored in objects raised off the Earth's surface (due to their position on Earth)
- Kinetic energy stored in a moving object
 Thermal energy – stored in hot objects
- Thermal energy stored in hot objects
 Chemical energy stored in fuel, batteries, foods
- Elastic potential energy stored in objects that are stretched or squashed

Energy transfers

- Mechanical when an object is moved by a force
- Sound]
- Light By radiation/waves
- Electrical
 By heating

Subject Terminology				
Key Word	Definition			
Repeatability	Measurements are repeatable when repeated by the same person, using the same method and give similar results.			
Reproducibility	Measurements are reproducible if similar results are obtained by different investigators with different equipment.			
Zero error	Caused when equipment is not set to zero			
Random error	Results vary in unpredictable ways, reduce random error by taking repeats and calculating a mean.			
Anomalous result	A result that does not fit the pattern. Ignore anomalous results when calculating a mean.			
Renewable	An energy resource that cannot be replenished.			
Non-renewable	An energy resource that can be replenished.			

Arrangement and Behaviour of solids liquids and gases

Solid particles are : Tightly packed, regular pattern, most dense, vibrate around fixed positions, have the least internal energy, strong bonds between the particles Liquid particles are: Very close, random arrangement, dense, move freely over each other, have more energy than solids, less energy than gases, weak bonds between the particles

Gas particles are:

far apart, randomly arranged, least dense, move randomly in all directions, have the most energy, have no bonds between the particles



What is an Ecosystem?			Biome's climate and plants								
An ecosystem is a system in which organisms interact with each other and with their environment		Biome	Location	Temperature	Rainfall		Flora		Fauna		
Ecosystem's Components		Tropical rainforest	Centred along the Equator.	Hot all year (25-30°C)	Very high (o 200mm/yea	over ir)	Tall trees formin variety of specie	ng a canopy; wide es.	Greatest species.	range of different animal Most live in canopy layer	
Abiotic Biotic	These are non-living , such as air, water, he These are living , such as plants, insects, and	at and rock. d animals.	Tropical grasslands	Between latitudes 5°- 30° north & south of Equator.	Warm all year (20-30°C) Wet + dry season (500-1500mm/year)		eason ım/year)	Grasslands with widely spaced trees.		Large ho carnivor	ofed herbivores and es dominate.
L	Flora Plant life occurring in a particular re	llar region or time.	Hot desert	Found along the tropics of Cancer and Capricorn.	Hot by day (over 30°C Cold by night	C) Very low (be 300mm/yea	elow ır)	low Lack of plants and few species;) adapted to drought.		Many an nocturna	imals are small and al: except for the camel.
<u>er</u>	Food Web a	and Chains	Temperate forest	Between latitudes 40°- 60° north of Equator.	Warm summers + mil winters (5-20°C)	d Variable rair 1500m /yea	Variable rainfall (500- 1500m /year) Mainly deciduous trees; a variety of species.		us trees; a variety	Animals adapt to colder and warmer climates. Some migrate.	
Ž kite	Simple food explaining th behind ecos	l chains are useful in he basic principles systems. They show	Tundra	Far Latitudes of 65° north and south of Equator	Cold winter + cool summers (below 10°C	Low rainfall C) 500mm/ yea	(below ar)	Small plants gro ground and only	ow close to the y in summer.	Low nun animals	ıber of species. Most found along coast.
Snake	Creen Plot	ecies at a particular I. Food webs however a network of many food connected together.	Coral Reefs	Found within 30° north – south of Equator in tropical waters.	Warm water all year round with temperate of 18°C	Wet + dry se Rainfall vari due to locat	easons. es greatly tion.	Small range of p includes algae a that shelters ree	olant life which and sea grasses ef animals.	Dominat diverse r	ed by polyps and a ange of fish species.
Nutrient c	ycle		Unit 1h				CASE STUD	Y: UK Ecosystem	n: Epping Forest, Essex	c	
Plants take in nutrients to build into new organic matter. Nutrients are taken up when animals eat plants and then returned to the		Infall	The	The living World designated as a Special Area of Conservation (SAC).				of the area is designated cal interest, with 66 % on (SAC).			
down by d	ecomposers.	LITTER O _{Re} Plant uptake			5		Componen	ts & Interrelatio	onships		Management
Litter	This is the surface layer of vegetation, which over time breaks down to become humus .	SOIL	Tropical Rainforest Biome			Spring	Flowering plants (producers) suc bluebells store nutrients to be ea consumers later.		h as - Epping has been ten by managed for centuries. - Currently now used		
Biomass	The total mass of living organisms per unit area.	Weathe of pare rock	h	ome to over half of the wo	orld's plant and anima	ls.	Summer		Broad tree leaves grow quickly to maximise photosynthesis.		for recreation and conservation . - Visitors pick fruit and
Biomes			Interdependence in the rainforest				Autumn	In Trees shed leaves to conserve energy		ergy	berries, helping to disperse seeds.
A biome is which are	a large geographical area of distinctive plan adapted to that particular environment. The datarmines what two of biome can exit in a	t and animal groups, climate and geography	A rainforest v animals deper can b	works through interdepen nd on each other for surviv be serious knock-up effect	dence . This is where the al. If one component of s for the entire ecosys	ne plants and changes, there tem.	Winter	Bacteria de releasing th	compose the leaf litte ne nutrients into the so	r, pil.	- Trees cut down to encourage new growth for timber.
oruregion		Coniferous	and the second	Dis	tribution of Tropical Rai	nforests	× 194	Laye	rs of the Rainforest		
	the contract	forest	Tropical rainforests are cen			red along the		Eme	rgent Highest la	ayer with t	rees reaching 50 metres.
Deciduous forest Tropical rainforest		Equator between the Tropic or Capricorn. Rainforests can be f America, central Africa and So The Amazon is the world's larg and takes up the majority of m		c of Cancer and be found in South South-East Asia. largest rainforest f northern South		Cano	opy 80% of lif of the su	80% of life is found here as It receives of the sunlight and rainfall. Consists of trees that reach 20 metres			
						U-Ca	Consists of				
Topical Rain Forest Temperate Forest Desert		Tundra	Rainforest	s of the world	nerica, encompassing cou azil and Peru.	ntries such as	Forest Floor	Shru	b Layer Lowest la adapted t	iyer with s to living in	nall trees that have the shade.
Tundia Taiga (Boreal forest) Grassland Savanna/Tropical Grassland Frestwater Marine Inc.		Temperate grasslands	Rainforest nutrier	nt cycle nditions on the forest floor all	ow for the rapid	Climate of Tropical	Rainforests	ely fall below 2	22°C.	300	30
		decomposition of nutrients that are	dead plant material. This prove easily absorbed by plant roots	vides plentiful . However, as these	Due to the pr rise above 32	esence of clo	ouds, temperat	tures rarely	200	2104mm of annual rainfail - 16	

nutrients are in high demand from the many fast-growing plants,

If vegetation is removed, the soils quickly become infertile.

they do not remain in the soil for long and stay close to the surface.

The $\ensuremath{\textit{most productive biomes}}$ – which have the greatest biomass- grow in climates that are hot and wet.



Hot deserts.

- rise above 32°C.
- Most afternoons have heavy showers.
- At night with no clouds insulating, temperature drops.

layer wi d to livin	th small trees that hav g in the shade.	/e
350		15
300		- 30
g 250 -		25 AVOTO
18Jug 200	2104mm of annual rainfall	20 lamp
66 150		15 orabure (
100		- 10 ^đ
50		- 5

Tropical Rainforests: Case Study Brazil

Brazil is a NEE country in South America.

Adaptations to the	rainforest	Rainforest inhabitants			
Spider Monkey	Strong limbs to help it climb	Many tribes have developed sustainable ways of			
Drip Tips	Allows heavy rain to run off leaves easily.	 Food through hunting and gathering. 			
Lianas & Vines	Climbs trees to reach sunlight at canopy.	 Natural medicines from forest plants. Homes and boats from forest wood. 			

What are the causes of deforestation?

Why are there high rates of biodiversity? Agriculture Logging Most widely reported cause of Large scale 'slash and burn' of Warm and wet climate encourages a wide range of vegetation to grow. land for ranches and palm oil. destructions to biodiversity. There is rapid recycling of nutrients to Timber is harvested to create Increases carbon emission. • • speed plant growth. commercial items such as • River saltation and soil erosion Most of the rainforest is untouched. furniture and paper. increasing due to the large Violent confrontation between areas of exposed land. Main issues with biodiversity decline indigenous tribes and logging • Increase in palm oil is making the soil infertile. companies. Keystone species (a species that are important of other species) are **Mineral Extraction** Tourism extremely important in the rainforest Precious metals are found in ecosystem. Humans are threatening . Mass tourism is resulting in the these vital components. building of hotels in extremely the rainforest. Decline in species could cause tribes vulnerable areas. • Areas mined can experience soil being unable to survive. and water contamination. • Lead to negative relationship between the government and Plants & animals may become extinct. ٠ Indigenous people are Key medical plants may become extinct. becoming displaced from their indigenous tribes land due to roads being built to Tourism has exposed animals ٠ Impacts of deforestation to human diseases. transport products. Economic development **Energy Development Road Building**

+ Mining, farming and logging creates employment and tax income for government.

Issues related to biodiversity

- + Products such as palm oil provide valuable income for countries.
- The loss of biodiversity will reduce tourism.

Soil erosion

- Once the land is exposed by deforestation, the soil is more vulnerable to rain. - With no roots to bind soil together, soil can easily wash away.

Climate Change

-When rainforests are cut down, the climate becomes drier.

- -Trees are carbon 'sinks'. With greater deforestation comes more greenhouse emissions in the atmosphere.
- -When trees are burnt, they release more carbon in the atmosphere. This will enhance the greenhouse effect.

The high rainfall creates ideal

- conditions for hydro-electric power (HEP).
- These have relatively short life spans and can cause river water to become acidic due to rotting of organic material

Sustainability for the Rainforest

as loss of biodiversity, soil erosion and climate change.

- Agro-forestry Growing trees and crops at the same time. It prevents soil erosion and the crops benefit from the nutrients.
- Selective logging Trees are only felled when they reach a particular height.
- Education Ensuring those people understand the consequences of deforestation
- Afforestation If trees are cut down, they are replaced.
- Forest reserves Areas protected from exploitation.
- Ecotourism tourism that promotes the environments & conservation

Cold Environment: Alaska, USA

Alaska is located to the north west of mainland USA next to Canada. It is mostly wilderness with most of the state above the Arctic circle leading to extremes in temperatures.

Opportunities and challenges in the Cold Environments

The fishing industry

There are two main sectors of the industry: Commercial fishing. Since the 1870s, the sector has grown to employ one in ten Alaskans. Some of the biggest salmon, crab, and whitefish fisheries in the world are in Alaska. They provide 78,500 jobs and add US\$6 billion to the state economy annually.

Opportunities

Mineral extraction

In the late 1800s, Alaska was known as 'the gold rush state'. Today, one-fifth of the state's mining wealth still comes from gold (although silver, zinc and lead mining are also very important). Large gold mines must be managed carefully to minimise

environmental impacts. Humans and ecosystems can be harmed by the toxic chemicals used to process gold ore (such as mercury, cyanide and nitric acid). Mining development has sometimes been halted due to environmental campaigns..

Tourism

P

Tourism attracts between one and two million summer visitors each year, making tourism one of Alaska's biggest employers, although some work is seasonal and poorly paid. Some tourists enjoy fishing, while others merely view the wildlife, with popular activities including whale watching and kayaking. Approximately 60 per cent of summer visitors are cruise ship passengers.

Energy

Energy production is another big employer, especially the oil industry (see pages 106–107). More than 50 hydroelectric power (HEP) plants supply Alaskan communities with one-fifth of their electricity. Previously glaciated U-shaped valleys in Alaska are a perfect site for HEP generation. Geothermal energy is also being harnessed in tectonically active parts of the state. Alaska's coastline is part of the Pacific 'Ring of Fire'. A tourist resort at Chena Hot Springs near Fairbanks is now powered entirely by geothermal power.

The low population density of less than one person per square kilometre means that most of Alaska lacks surfaced roads. Hunters, miners and explorers must make their own way across the tundra. Snow and ice make some roads and tracks unusable for months of the year.

Challenges

A process called solifluction takes place in summer. On slopes, the soil's active layer starts to flow downhill. The thawed soil slides easily over the impermeable frozen layer below. Large amounts of soils and mud can collect at the base of slopes, covering highways that run along valley floors, cutting places off for months.

Permafrost underlies most of Alaska (Figure 8.14). The seasonal melting of the active laver means that offroad travel cannot take place during summer.

Over time, the seasonal melting and re-freezing of the active layer results in great expanses of uneven ground surface called thermokarst (Figure 8.15) making travel impossible in some places. Frost heave – where pebbles and stones slowly rise upwards to the ground – can make tracks dangerous.

What can be done?

Indigenous people and newcomers alike use highpitched steep roofs for their homes so snow can slide off. Triple glazed windows help to keep the cold at bay.

Today, new buildings are always raised on piles to prevent melting. These piles can lift a structure several metres above the surface and are sunk deep into the land, well below the lower limit of the active layer. Roads are now built on gravel pads one to two metres deep that stop heat transfer from taking place. Utilities such as water, sewerage and gas cannot be buried underground or they would freeze too. Instead, they are carried by utility corridors or 'utilidors'.

Airport runways are painted white to reflect sunlight and stop them from warming up too much on sunny days.

- Roads are needed to bring supplies and provide access to new mining areas, settlements and energy projects.
 - In Brazil. the Trans-Amazonian Highway has opened up large areas of the forest to development

Uncontrolled and unchecked exploitation can cause irreversible damage such

Possible strategies include:

Historic Environment 2025 – Durham Cathedral

Architectural Style -

Durham was similar to

cathedrals built after

the Norman Conquest

and was designed to

Religious devotion

Control of the Local

Population - Durham

was well placed to deal

with threats of

rebellion. It was for

this reason that the

based at Durham and

military and political

as well as religious

authority.

and learning

power over the region

To influence culture

Prince Bishop was

given extensive

impress both

externally and

and reform

internally.

nearly all the new

In a Romanesque style.

Durham with decorated

patterned columns, and

carved mouldings. These

design features gave an

imposing impression and

visitors. Their simplicity

easier to produce and this

Durham was an important

Norman Conquest, as the

religious site before the

Anglo Saxons had built a

church there as a shrine

remains were kept at the

represented a spiritual

power and suggested that

to St Cuthbert. His

cathedral.

The cathedral

to resist Norman

authority was to go

against the will of God.

Bishop Æthelwine was a

relations with Malcolm,

William was to use him as

King of Scotland, and

a go-between when

the Scottish king.

negotiating peace with

The Benedictine monks

library of books to the

monks at Durham.

improved levels of literacy

and learning. William of St Calais donated a vast

useful man to have as

Bishop of Durham

because of his good

sense of grandeur to

also meant they were

sped up construction.

capitals with simple

Durham Cathedral is an example of a cathedral built in the Norman, or Roma Churches in Normandy before 1066 were of a moderate size, but the wealth England to build on a truly grand and impressive scale.

Why did the Normans build cathedra

The nave was a vast space with

the altar placed at the eastern

end of the cathedral. A massive

tower was built above a central

transepts on either side, which

chapels. The cathedral also had

a stone vaulted ceiling which

gave height and light to the

building. It created a sense of

William Walcher attempted to

introduce Benedictine Monks

to Durham and build monastic

buildings. He wanted to change

the way monks worshipped at

After the Norman Conquest,

Robert de Comines, the new

Norman Earl of Northumbria

with disastrous results. De

Comines was trapped and

ignored Æthelwine's warnings

about the dangers of the area.

burned to death in the bishop's

house in January 1069 which,

along with the rebellion that

retaliate with the savage

'Harrying of the North'

followed, prompted William to

There was a greater use of Latin

as the language of religious life.

crossing place between

could be used as special

awe and wonder.

Durham.

Jurnam Cathedr	al		Кеу	Role
			People	
nanesque, architectural style th was available in newly-co rals like Durham?	e. nquered		St Cuthbert	Cuthbert was a Northumbrian monk with a great reputation for Christian holiness
St Peter's Basilica in Rome also had an influence as the original length of Durham Cathedral and its nave is almost the same while	The master crafts the channel from Durham Cathedra own style from N	speople who crossed n France to work on al also brought their Iormandy which Anglo-		who, after his death in 687, had many miracles attributed to him.
the spiral columns at Durham closely match those around the canopy of St Peter's Shrine. In this way William of St Calais was providing a fitting place for the body of St Cuthbert.	Saxon crafts peop arches in the catl characteristic of being round and the top of the loa	ple learned from. The hedral at Durham are Norman architecture, resting on capitals at ad bearing columns.	Prince Bishop	Prince Bishops had the combined power of a Bishop and an Earl. They owned vast estates, could raise an army, mint coins and levy
William of Saint Calais ordered the building of the new Norman cathedral at Durham. He was a Benedictine monk and leader of an abbey in France. He was determined to reform the monks at Durham and make them more like Norman Monks.	William of Saint ('unclean living' w as some of the m children. He repla monks with mon monks lived to m with regular serv worship. These ru by Prior Turgot th monastic commu	Calais wanted to end within the church such nonks having wives and aced most of these ks from Calais. These nuch stricter standards rices and patterns of eforms were supported he leader of the unity at Durham.	Æthelwine	taxes. It was a position of great wealth and independent power. The Bishop of Durham from 1056 to 1071. Æthelwine remained as Bishop of Durham after 1066 and pledged his
William saw the church as a source of power. The Bishops and heads of monasteries were the church's tenants in chief and they controlled large areas of land	The Normans also bishoprics which was responsible became flourishin that were defense	o created new were areas a bishop for. This bishoprics ng urban communities ible. These areas		loyalty to the new Norman King when William came to York in 1068.
They needed to be loyal supporters of William. He used pre-existing Anglo-Saxon Bishops	allowed for a mo	ce and administration.	William Walcher	The Bishop of Durham from 1071 to 1080.
to accept the new Norman conquerors. However, they were gradually replaced by Norman bishops who were trusted.			William of Calais	The Bishop of Durham from 1080 after the death of William Walcher. He died in 1096.
There was also a change to the manuscripts produced by monks. There was more use of	These changes to affected sculptor embroiderers, m	o culture not only rs and illustrators but etalworkers and ivory	Ranulf Flambard	The Bishop of Durham from 1069.
important in announcing the new regime and impressing the Anglo- Saxons.	carvers.		Prior Turgot	The Prior of the monastery at Durham Cathedral.

Earl. They

HISTORY

т		5	:	
	U	Ρ	I	

England before 1066 Sophisticated and civilised society with	Most of the south	Lay of the land pern half of England was covered	Г		TECHNICAL VO
approximately 2 million inhabitants. Religion was key feature and everyone followed	iin forest. There w	were small villages where the cleared and land was farm.		Successor	The person who should take over as
Catholic Christianity. What the Church said was absolute fact.	England was very	v wealhv and was often a target		Illegitimate	A child who is not the product of a fo
King Edward the Confessor had ruled since 1042 and his reign had been stable and peaceful.	for foreign raiders	s such as Vikings. It had many s which meant tht it could establish		Heir	The next in line to the throne.
Prior to this, England had been ruled by Edward's half brother. Harthacnut, whose father was Danish	good trade links v kings had encour	with other countires. Previous		Witan	The King's Council whose primary fur
(This is why we see so many claimants to the throne later on)	Scandinavian cou	untries. King Edward had been		Housecarls	Full time professional soldiers in the
The Godwin's were a powerful ruling family in	trade links with F	rance as well.		Cavalry	Highly trained and well equipped sole
in 1066.	made its own coi	ns.		Danelaw	Area of England in which the laws of the Anglo-Saxons
The population was organised into a hierarchy. People were ordered by their level of importance with the King at the top, followed by the Church and the Earls, and the peasants at the bottom.	Anglo-Saxons we all Christians who religion. The head was the Pope and	er very religious people and were o followed the Roman Catholic d of the Roman Catholic Church d he lived in the Vatican in Rome.		Earls	England was divided into Earldoms, a earls took orders form the King but s
The King and Earls had around 2500 – 3000 housecarls. The Earls could call upon their peasants to fight for them when neccassary.	Catholics believe personal represe	d that the Pope was God's ntative on earth.		Sub-regulus	A deputy king.
				Post Obitum	A designation or bequest of a Throne
William prepares to invade: When Edward the Confessor died on the 5 th Jan 1066	6, Harold	Harald Hardr September 1066 saw Harold Hardr	r ada rade	<mark>a Invades</mark> e invade Engal	nd. He sailed
					Saxons had

william prepares to invade.		Hill: Whilst
When Edward the Confessor died on the 5 th Jan 1066, Harold	September 1066 saw Harold Hardrade invade Engalnd. He sailed	the Anglo- Sayons had
Godwinson was crowned King of England the very next day.	up the River Humber with 300 ships and landed 10 miles away from	the advantage
William started to mobilise his forces in preparation for the	the city of York.	of height, the
invasion of England as soon as he found out.	Earls Edwin and Morcar were witing for him with the Northern army	were more
Support from God: A Papal banner was given to William meaning that	and attempted to prvevent them from advancing to York. This	manoeuvrable
William had the Pope's support. It was now a Holy War.	became known as the Battle of Fulford Gate.	of the hill.
Military Preparations: William did not have a navy so built a number	Battle of Stamford Bridge: King Harold had to move fast to deal	
of fat-bottomed boat that could transport hores. Weapons were created	with the Viking invasion. He travelled North with his private army and	
and 'flat-pack' castles were made. Men were recruited from all over	gathered forces as he went. He travelled 190 miles in four days.	and the set
France. Recrutis joined because of the Papal Banner but also because	Hardraada and his troops were caught out by Harold's attack. They	alle .
they were promised land and riches. 8000 men joined.	had not expected Harold to reach Stamford Bridge so quickly.	all a
Getting across the Channel: Ships and men were gathered for a long	Althought this was a victory for King Harold it was going to be short	
period of time but they were well looked after. Willliam also made sure	lived.	The Normans divisions: the
that his fleet left at the most approriate place for England (River	Three days ater he had to race south to deal with Williams invasion	urvisions, the
Somme to Pevensey).	and fight in the Battle of Hastings .	A 1978

King Cnut	Edward the Confessor	Edgar Aetheling	Harold Godwinson	William, Duke of Norm
Launched a campaign agasint England in 1015 and killed many English leaders. Agreed to split the Kingdom in two. By 1017 confirmed as King of all England. Divided	A highly devout Chritian King who stablised the Kingdom in times of trouble. Was responsible for causing the troubles of 1066 as he had no children	Closest blood reltive to Edward but he was only 14 years old and did not have much support or military experience. Edgar was an Anglo- Saxon so was supported by many earls. He was known as an outlaw	Richest man in Engalnd, a skillful miltary leader and had the support of the Witan. Made King the day after Edward died. He was the most mportant earl in England (Earl of Wessex) and had acted as	Distant cousin of Edward sent troops to help agains Godwin's rebelliion. Prov warrior with military succe Edward had been raised Normandy and Willaim cl
England into Earldoms.	and therefore no one to	as after 1066 he led many	'sub-regulus' for Edward.	that Edward promised hir
-	become his successor.	rebellions against the Normans.	_	throne earlier in his reign.

ic: Norman England (part one)

DCABULARY

King after he dies.

ormal marriage.

inction was to advise the King.

Saxon army.

ldiers on horseback

f the Danes held sway and dominated those of

areas of land ruled by powerful earls. These some were as powerful as the King himself.

e.



The battleground at Hastings at 9am

nandy

I. Had st ven ess. in laimed m the

Harold Hardraada

King of Norway. Powerful and successful Viking. He believed the Throne was his due to his fathers claim. A famous warrior and experienced ruler. Has support from people in the North of England.

Speaking	Listening	Reading	١
End of April / Beginning of May	Tuesday 10th June AM	Tuesday 10 th June AM	1
12 minutes before exam – preparation for role	Foundation – 35 minutes	Foundation - 45 minutes	F
play and photocard	Higher – 45 minutes	Higher – 1 hour	ŀ
 <u>Role play</u> – stay simple, ! = something you are 	5 minutes before exam to read through paper.	Remember <mark>Skim – Scan – Zoom</mark>	F
not expecting, ? = ask a question	Annotate questions, highlight question words.		P
		Look for answers in chronological order.	4
- <u>Photocard</u> – 5 questions on topic (topic in bold	Make sure you answer in the correct		t
print above photo) extend your answers, give lots	language!	Read titles, look at pictures for support.	p
			Т
- General conversation – answer questions on 2	Listen to each recording TWICE. Listen to tone	Don't leave any gaps, lots of multiple choice.	S
themes. Don't forget to ask me a question! (3-5	of voice.	True / False / Not Mentioned	F
mins foundation) (5-7 mins higher)		Past / Present / Future	9
	Remember <u>synonyms</u> – caballo = equitación	Positive / Negative / P and N	4
Theme 1 – family, technology, free time, festivals	Piscina = nadar = natación		C
	Idiomas = lenguas = español = francés	Don't forget translation – 9 marks on the last	F
Theme 2 – Holidays, House and Town, Social and		page! Check tenses.	F
Global Issues	Don't leave any gaps, lots of multiple choice.		P
	True / False / Not Mentioned	-mente = ly in English normalmente	F
Theme 3 – School, jobs	Past / Present / Future	-dad = ty in English universidad, individualidad	ŀ
	Positive / Negative / P and N		1
			2
	Write a logical answer if you aren't sure.		r
			Т
How do I revise for my speaking exam?	How do I revise for my listening exam?	How do I revise for my reading exam?	ŀ

Writing Tuesday 17th June PM Foundation – 1 hour Higher – 1 hour 15 mins Foundation Photo – 4 simple sentences – En la foto <mark>HAY</mark> 40 words – 4 extended opinions or present tense sentences. You MUST answer all 4 bullet ooints **Translation** – try your best on these 5 sentences. Foundation / Higher 90 words – (Choice of 2 questions) \$ bullet points (past, present, future, opinions). You MUST answer all 4 bullet points. Past – fui, visité, compré comí, bebí Present – verbs end in O Future – planeo, si fuera posible me gustaría <u>Higher</u> **150 words** – (choice of 2 questions) bullet points – you must develop, using range of structures and tenses Translation – 50 words into English How do I revise for my writing exam?

Past papers available on AQA website Subjects – Languages – GCSE – Spanish (8698) – Assessment resource	Past papers available on AQA website Subjects – Languages – GCSE – Spanish (8698) – Assessment resource	Past papers available on AQA website Subjects – Languages – GCSE – Spanish (8698) – Assessment resource	Pa Su —
You have questions and suggested answers for all 3 themes. You must learn these! If you have lost these – they are on Teams, Class Charts, ask me for another copy	Listening practice questions – available on Spanish Revision on Teams, Foundation and Higher, audio and answers included	Reading practice questions – available on Spanish Revision on Teams, Foundation and Higher	M SI H
Photocard practice – booklet on Spanish Revision on Teams <mark>Attend Spanish revision classes after school</mark> Tuesday	CPG – practice book Memrise – vocabulary practice GCSE bitesize Duolingo Attend Spanish revision classes after school Tuesday	CPG – practice book Memrise – vocabulary practice GCSE bitesize Duolingo Attend Spanish revision classes after school Tuesday	CI M G <mark>A T</mark>

	PRESENT I do (add to stem)	PRETERITE I did (add to stem)	IMPERFECT I was doing (add to stem)	CONDITIONALI would do(add to infin)	FUTURE I will do (add to infin)	PERFECT I have done	PRESENT CONTINUOUS I am doing
	AR ER IR	AR ER/IR	AR ER/IR	AR/ER/IR	AR/ER/IR	AR> ado ER/IR> ido	AR> ando ER/IR> iendo
I	0 0 0	é í	aba ía	ía	é	heado	estoyando
You	as es es	aste iste	abas ías	ías	ás	hasado	estásando
Не	a e e	ó ió	aba ía	ía	á	haado	estáando
We	amos emos imos	amos imos	ábamos íamos	íamos	emos	hemosado	estamosando
You.pl	áis éis ís	asteis isteis	abais íais	íais	éis	habéisado	estáisando
They	an en en	aron ieron	aban ían	ían	án	hanado	estánando
Some common	ir> voy	ir>fui	ser>era	Same as future	Same as conditional	abrir>abierto	dormir>durmiendo
I	ser>soy	ser>fui	ir>iba	tener>tendría	tener>tendré	escribir>escrito	seguir>siguiendo
R	dar>doy	dar>di	hay>había	venir>vendría	venir>vendré	hacer>hecho	sentir>sintiendo
R	estar>estoy	estar>estuve		poner>pondría	poner>pondré	poner>puesto	vestir>vistiendo
E	hacer>hago	hacer>hice		salir>saldría	salir>saldré	romper>roto	
G							

Past papers available on AQA website Subjects – Languages – GCSE – Spanish (8698) Assessment resource

Vriting practice questions – available on panish Revision on Teams, Foundation and ligher

CPG – practice book Memrise – vocabulary practice GCSE bitesize Attend Spanish revision classes after school Fuesday

U	tener>tengo	tener>tuve	saber>sabría	saber>sabré	ver>visto	
L	poner>pongo	poner>puse	poder>podría	poder>podré	volver>vuelto	
А	salir>salgo	saber>supe	haber>habría	haber>habré		
R			decir>diría	decir>diré		
S			querer>querría	querer>querré		

GCSE DANCE KNOWLEDGE ORGANISER

EXAM COMMAND WORDS

Analyse: Separate information into components and identify characteristics to be able to explain and interpret.

Comment: Present an informed option.

Compare: Identify similarities and/or differences.

Consider: Review and respond to information given.

Define: Specify meaning.

Describe: Set out characteristics.

Discuss: Present key points taking into account different ideas, characteristics and/or features.

Evaluate: Judge from available evidence and make an informed design on the effectiveness.

Explain: Set out purposes or reasons.

Give: Produce an answer from recall.

How: State in what ways.

Identify: Name or characterise.

Interpret: Translate information into recognisable form demonstrating an understanding of meaning.

Name: Identify correctly.

Outline: Set out main characteristics.

State: Express in clear terms.

Suggest: Present a possible case or possible answer.

Tick: Put a mark to indicate something is correct.

What: Specify something.

Which: Specify from a range of possibilities.

Why: Give a reason or purpose.

KNOWLEDGE, UNDERTSANDING AND SKILLS FOR PERFORMANCE

Expressive skills Projection Focus Spatial awareness Facial expression Phrasing Musicality Sensitivity to other dancers Communication of choreographic intent

Prep for performance: Systematic repetition Mental rehearsal Rehearsal discipline Planning of rehearsal Response to feedback Capacity to improve

During performance: Movement memory Commitment Concentration Confidence Physical skills Posture Alignment Balance Coordination Control Flexibility Mobility Strength Stamina Technical skills Action Space Dynamics Relationships Timing Rhythmic content Moving in a stylistically accurate way

Safe Practice Prep for performance: Warming up Cooling down Nutrition & Hydration

During performance: Safe execution

Appropriate dance wear: Footwear Hairstyle Clothing Absence of jewellery

GCSE DANCE KNOWLEDGE ORGANISER



Year 11

Subject: Drama

Topic: Performing Arts in Practice

Responding to a Brief:

February:

- Receive your brief.
- Create a budget by contacting local businesses for sponsorship.
- Select the performance genre and purchase copyrights to scripts and scores.
- Select your venue and block book the performance dates available.
- Organise and hold fundraising event/activity to raise extra money.

Early March:

- Select your production team by deciding exactly which staff you require.
- Announce the show and audition performers in the discipline required.
- Design and print the tickets or set up online ticket sales platform.
- Receive the script, scores and copyright legislation and check the legal requirements.
- Market the event and open ticket sales.
- Design, print and sell programmes.

Late March:

- Begin rehearsals.
- Design and build the set.
- Buy/rent costumes.
- Design hair and make-up for performers.

April:

- Complete set and props.
- Costume fitting.
- Full run-through of the event/performance.

May

- Technical rehearsal.
- Dress rehearsal.
- Performance event.
- Evaluation.

	Subject Terminology
Venue	Where the performance takes place: school halls; local village or community hall; inside shopping centres or in open air public spaces (site specific); local theatre; social club, hotel function rooms.
Target audience	Who the performance is aimed at. For example: Age range of the audience; minority groups; parents and toddler groups; local community; national audience.
Style and genre	The <i>genre</i> of a play refers to the type of story being told and is decided by the <i>playwright</i> . The <i>style</i> of a play is how the work is presented on stage.
Personnel	Who will you need to employ to run your event? Music director; Technical director; Set designer; Choreographer; Light and sound technicians; Stage manager; Costume designer; Hair and make-up artists; Videographer.
Marketing	The activity or business of promoting and selling products or services. You will be marketing your event.

Budget:

Before you start, you will need to know 'how much money do I have to spend on my event?' You will then have a starting point from which you can work when calculating what you need to spend money on.

Different organisations will have access to a variety of budgets: amateur dramatic societies, professional theatre companies, performing arts groups, theatre schools, schools, community performing arts festivals, charitable organisations and national youth organisations.

Other organisations you can gain extra investment from: A local business; a grant from the Arts Council of England; a fundraising event within the community; Sponsorship, an advert in a programme; Non-financial development from business through the sharing of skills and resources.



*Count 1&a 2&a 3&a 4&a Changing metre is a good way to create contrast in your work.

The Way You Make Me Feel (By Michael Jackson)



Subject: KS4 Art Exam

	Assessment Taxonomy					
LIMITED	BASIC	EMERGING	COMPETENT	CONFIDENT &	EXCEPTIONAL	
		COMPETENT	&	ASSURED		
			CONSISTENT			
Unstructured	Deliberate	Reflective	Informed	Advanced	Accomplished	
Clumsy	Methodical	Predictable	Purposeful	Convincing	Inspired	
Disjointed	Superficial	Growing	Secure	Comprehensive	Intuitive	
Minimal	Unrefined	Control	Engaged	Focused	Insightful	
Elementary	Simplistic	Broadening	Skilful	Perceptive	Powerful	
	Tentative	Endeavour	Thoughtful	Refined	Extraordinary	
		Safe	Cohesive	Resolved	Unexpected	
				Risk-taking	Outstanding	
1-12 marks	16-24marks	28-36 marks	40-48 marks	52-60 marks	64-72 marks	



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1111

Shanna van

ALEX

BOSS

Week 1+2 Initial research

Week 3,4+5

Artist copies



Week 8+9

Use your own photos for lots of responses and composition ideas and then select the best to draw

Week 6+7 Artist responses



	TECHNICAL V
Response	A reaction
Develop	To evolve,
Experiment	To test (wi
Annotate	Explanato
Review	Evaluate
Refine	Improve
Primary source	Observed
Composition	How object
	arranged
Analyse	To examin
Resource	An aid to h

It will be very important to keep up to date with the schedule and meet deadlines as once the timed exam piece starts you can no longer work in your exam book.

Your exam is worth 40% of your final mark and should be the best work you have done so far.

Week	Exam Sketchpad layout	
1	Title page+ Spider diagram	
	Initial Research	
2	Initial research	
3,4+5	Artist copies	
6+7	Artist responses	
8	Primary sources + compositions	
9	Compositions	
10,11 + 12	Experiment	
12+13	Final choices	

OCABULARY (to the work of an artist) grow and improve ith different art media) ry notes first hand cts, shapes and patterns are ne in detail help develop ideas

Technical principles – Knowledge organiser

<u>What</u>	Definition	<u>What</u>	<u>Definition</u>
A static load	Does not move	<u>NET</u>	2D object which is cut scored and folded into a 3d. Cut lines shown as solid lines
A dynamic load	Moving	<u>Carbon footprint</u>	is the amount of carbon produced from its raw material being made to its product.
Tension	pulling force is applied to either end of a material Stretching	Ecological and social footprint	
Tensile	resist being pulled apart	Folding and bending	techniques can be used to improve the mechanical and physical properties of a material
Compression	occurs when a pushing force is applied to either end of a material	Laminating	bonding two or material to improve its strength, stability and flexibility.
Compression strength	the ability of a material to resist being compressed or squashed	Fabric interfacing	Used in textiles and garments to add support, strength and structure to areas that are needed. These are sewn in Collars in shirts - Peak in the baseball caps.
Torsion	when something is twisted two ends of the material rotate the opposite way.	Folding and bending	Materials manipulated through reshaping can gain many physical advantages
Torsional strength	is the ability of a material to resist being twisted	<u>Curves, arches and</u> tubes	can also be added to give more strength whilst using minimum material
Bending	occurs when both sides are under compression and tension.	Ecological and social footprint	This measures the impact of a persons life on the environment by quantifying the amount of Co2 that are being used.
Shear	occurs when a force applies on an object in a perpendicular to its length	<u>Safe working</u> <u>conditions</u>	In Britain we have employment protect laws that protect us workers. The law holds accountability to the company/ Boss!!! Heath and Safety Executive HSE
Strengthening and enhancing materials	To strengthen or enhance its strength you need to consider the forces that it will have upon it.	<u>Ecological issues in the</u> <u>design and</u> <u>manufacturing</u>	When products are made, natural resources are used, so designers and manufacturers have to make decisions which have a direct impact on the consumption of the earths resources
Webbing	Webbing is a strong fabric woven into strips from yarns, which are often made of synthetic fibres such as nylon or polyester, or even Kevlar Very light but strong and flexible	Deforestation	cutting down of trees
Stiffening Materials	Materials can be <i>laminated</i> to improve strength.	Mining	used to gather finite materials Surface and underground mining!
Interfacing	to stiffen a fabric	Drilling	getting oil and gas
Farming	A huge proportion of the earths crust is used as farmland. 11% - agriculture. 36% - growing crops		

Unit 2

AC1.1 / AC1.3 LO1

Nutritional Function and Deficiencies

Functions of macronutrients		
 FAT Fat is required to insulate the body Fat is required to protect the vital organs Fat is required as an energy source Fat is required to insulation Fat allows the body to feel fuller (satiety) 	 CARBOHYDRATES Carbohydrates are a primary energy source Carbohydrates are divided into simple and complex Complex - Starch and fibre NSP Simple – Sugar, fructose, glucose Starch comes from plants and is used 	
 PROTEIN Proteins are required to provide amino acids Proteins are required for growth Proteins are required for repair Proteins are a secondary energy source Proteins are made up of amino acids 	 for energy Starch as bulk to the diet Starch keeps you fuller for longer Excess starch is turned to fat and stored Fibre aids digestion, prevents constipation 	

Nutritional Deficiencies		
FAT- Visible signs CARBOHYDRATES- Visible signs		
Weight loss	Lack of energy	
Feeling cold	Weight loss	
Non Visible signs	Non visible signs	
• Bruising of the bones, as fat protects	 Lack of NSP can lead to constipation 	
Lack of fat soluble Vits ADEK	Type 2 diabetes	
PROTEIN- Visible signs	Vitamin A- Dry infected skin and mucus membranes Night blindness	
Children don't grow properly	Vitamin D- Weakened bones, rickets, osteomalacia	
Cillidien don't grow property	Vitamin E-Deficiency is rare	
Poor skin and weak nails	Vitamin K-Deficiency rare, only in new borns	
Non Visible signs	Vitamin B- Beri beri , Pelegra.affects the nerves and	
 Infections can develop and cause illness 	Vitamin C-Loose teeth, wounds not healing well Scurvy and bleeding under the skin	
 Food is not digested properly 	Calcium- Bones in arms and legs bend- can lead to osteoporosis	
	Iron- Pale skin, weak split nails, Tiredness, weakness Can lead to Iron deficient anaemia	

FAT SOLUBLE N	Aicronutrients WATER SOLUBLE
Vitamin A	Vitamin B
Healthy eyesight, helps night vision	Releases energy from carbohydrates
An antioxidant	from food
Production of white blood cells	Sources- meat, cheese, eggs, breakfast cereals
Sources- Oily fish, red and orange veg, dairy	v Vitamin C
Vitamin D	Helps the body absorb iron
Controls calcium uptake	Helps maintain connective tissue
 Strong bones and teeth 	Antioxidant
Sources- Sunlight, Oily fish, meat, eggs butt	er Sources- Citrus fruit, blackcurrants, kiwi fruit
<u>Vitamin E</u>	Minerals
• Antioxidant, helps prevent heart	Iron
disease and cancer	 Production of red blood cells
Sources- Peanuts, avocado, Soya products	Sources- Red meat, offal, green leafy veg
<u>Vitamin K</u>	<u>Calcium</u>
 Blood clotting 	 Works with Vit D for strong bones and
Sources-Fat soluble Vitamin K-Green leafy v	reg teeth
	Sources- Dairy products, canned fish

	Importance of Wa	ater and	hydr
Regula	tes body temperature	Gets r	id of
•	sweating	•	Aid
•	Overheating of the body	•	Rec
•	Gets rid of waste products		
Keeps	internal organs moist	Dehyd	ratio
٠	So they don't rub together create	•	We
	friction/pain	•	Cha
•	Saliva to aid swallowing		
Transp	ortation		
•	Of nutrients		
•	CO2 and O2 around the body via the		
	blood		

ration

waste products Is digestion duces constipation

on causes

eakness and nausea anges in blood pressure/ headaches

Half-Term 3 - Brickwork

Subject - Construction



- How does the tingle plate work?
- Why is it required?
- When would you use it?



Subject **RE**

Evidence to support a belief in life after death		
	Why might this support a belief in life after death?	
Near Death Experiences	These are first hand accounts from those who have been near to death, providing information about what happens after life earth ends. Accounts often share similarities i.e. bright lights or seeing loved ones.	
Past Life Memories	People have provided details of a previous life which when researched have been proven to be accurate, with other possible way to know this information.	
Ghost Sightings	Ghosts are believed to be the spirits of the dead which appear in visible from to the living. A reliable witness may claim to have seen someone who is known to have died. Some believe these have unfinished business on earth which prevents them passing over completely.	
Receiving a message from medium	People have received messages from mediums containing information that links directly to deceased loved one. Often there is no other way could have gathered that information.	

Beliefs about heaven

- 1. Heaven is a spiritual existence of peace and happiness in the eternal presence of God.
- 2. It is often depicted as above the earth, a place where good people go after death for eternity.
- 3. Heaven is only for Christians as you have to believe in God to guarantee a place in heaven.
- You have to believe in Jesus and live a good life to Δ go to heaven.
- Believers in God, not just Christians, will go to 5. heaven.
- It is a place of reward for both faith and good 6. actions in life.

Beliefs about hell

- 1. Some Christians understand it to be a state of existence without God.
- 2. Traditional paintings depict it as a fiery place of eternal torment, suffering, torture and terror ruled by the Devil (Satan). It is usually depicted as below the earth.
- 3. Hell is the place where those who don't believe in God or Jesus go for eternity after death.
- If you live an immoral life then you will go to hell.
- Hell is an eternal state cut off from God. Any 5. person not acknowledging God or follow God's teachings in their lifetime would face that eternity.





	SUBJECT TERMINO
Afterlife	The belief in continued existence in some form after an individual survives after death—usually, the indi world's religions.
Eternity	Endless life after death.
Funeral	A ceremony or service held shortly after a person's cremation.
Heaven	a place regarded in various religions as the place whe death.
Hell	a place regarded in various religions as a spiritual re as a place of perpetual fire beneath the earth where
Judgement	The belief that a person will be judged by God to de
Medium	A person who claims to be able to communicate with
Nibbana	A Buddhist word meaning 'quenching' of the activit
Near death experience	An occurrence in which a person comes very close t experience (such as meeting dead friends and famil
Paranormal activity	Events or phenomena such as telekinesis or clairvoy understanding.
Rebirth	The process of being reincarnated or born again.
Reincarnation	The belief that an individual does not live just one li other
Revelation	The divine or supernatural disclosure to humans of
Spiritualism	A system of belief or religious practice based on sup especially through mediums.

Tibetan Wheel of Life

- 2. death and rebirth.
- 3. dependent origination.
- death is not the end and is not to be feared.
- 5. called samsara.
- 6. and the realm of human beings.

Topic Life after death

LOGY

er physiological death. The belief that some aspect of ividual's soul—is common to the great majority of the

death, usually including the person's burial or

here God and the angels reside, and of the good after

ealm of evil and suffering, often traditionally depicted e the wicked are punished after death.

ecide their destiny in the afterlife.

ith dead people in the spirit world.

ies of the world and its suffering.

to dying and has memories of a spiritual

ly members or seeing a white light) during the time

yance that are beyond the scope of normal scientific

ife, but that they live multiple lives, one after the

something relating to human existence.

pposed communication with the spirits of the dead,

To Buddhists, existence is a cycle of life, death, rebirth and suffering that they seek to escape altogether, and the Tibetan Wheel of ife shows this.

The Tibetan Wheel of Life illustrates the process of dependent arising (the idea that all things change and all things are interconnected) in relation to human life,

The Wheel is divided into five or six realms, or states, into which a soul can be reborn. It is held by a demon. Around the rim are depicted the twelve stages of

The frightening figure holding the wheel is Yama, the Lord of Death or Monster of Impermanence. He has three eyes and wears a crown of skulls. Yama symbolises the impermanence of everything. The beings he holds are trapped in eternal suffering by their ignorance of the nature of the universe. Buddhism teaches that

The outer circle is 12 links or stages of a human's life (nidanas); the 12th link (old age and death) leads to the first link (ignorance). This shows the Buddhist teaching of rebirth; the wheel shows the cycle of birth, death, then rebirth this cycle is

Depicted in the spokes of the wheel are the six (originally, five) realms of rebirth (gatis): the god realm, the realm of the asuras (originally included in the god realm), the realm of the hungry ghosts (*pretas*), the hell realm, the animal realm,

Karuna (compassion); Metta (loving-kindness)		
When Buddha became enlightened what choice did he face?	He faced the question of what to do next – keep the knowledge and understanding to himself or share and teach others?	
Why did Buddha decide to share his knowledge?	Buddha could see hardship in the world and he wanted to share his knowledge of how to overcome it out of compassion for those who were suffering. This compassion is called karuna.	
What is Karuna one of?	Karuna is one of the four sublime states in Buddhism which are loving-kindness; compassion; sympathetic joy (happiness for others) and equanimity (maintaining stability and calm in the face of happiness and suffering).	
For Buddhists why do wisdom and compassion go together?	Wisdom and compassion should be developed together as you cannot have one without the other or it could become unskilful.	
What is metta and why should Buddhists develop this?	Metta is loving-kindness; showing a benevolent, kind friendly attitude towards other people. Buddhists develop this to dissolve away acting out of greed, ignorance or hatred.	
What are the 5 steps in loving- kindness meditation?	It consists of five steps to grow loving-kindness: - 1. Yourself 2. A good friend 3. A 'neutral' person 4. A 'difficult person 5. All four of these people gradually followed by all other people.	

The Five Moral Precepts

- The Five Moral Precepts are: -
- 1/ To not take life.
- 2/ To not take which is not given to you.
- 3/ To not take anything that is a misuse of the senses or sexual misconduct.
- 4/ To avoid wrong speech.
- 5/ To avoid intoxicants that cloud the mind.

Due to these precepts many Buddhists are vegetarian or vegan; they will not steal from, manipulate or exploit other people; they shouldn't engage in sexual activity that causes harm to others; Buddhists should speak truthfully, kindly and helpfully and they should avoid alcohol or drugs as these hinder calm and awareness.



Kamma and i
A person's actions; the idea th
in suffering.
Skilful – good, ethical actions
understanding.
Unskilful – bad, unethical acti
ignorance.
Your actions impact on your h
rebirths, as t links to which re
Buddhists can change the futu
states and actions.
Kamma is concerned with righ
Path they need to reduce suff
Kamma is an incentive to culti
people benefit as well.



The Sur P

	The Six Perfection
Armus	The Six perfections: -
Maria Maria	 1/ Generosity or giving 2/ Morality 3/ Patience 4/ Energy 5/ Meditation 6/ Wisdom
calcelrouis on L-sevenithes	

Generosity – 3 main types of giving – giving material good should give without expecting anything in return.

Morality – most Buddhists follow the five moral precepts. more – not talking about other people's errors or faults; n others; not to be stingy; not to be angry and not to speak

Patience – a Bodhisattva embodies patience, tolerance an endure personal hardship or suffering, to practice compas

Energy – this is the cultivation of mental energy and streng their practice of the Dhamma.

Meditation – this helps Buddhists develop the concentration the sixth perfection, which is wisdom.

rebirth

nat skilful actions result in happiness and unskilful ones

and behaviours such as generosity, compassion and

ions or behaviours such as craving, greed, hatred and

happiness and suffering right now but also in your future alm you are reborn into.

ure through their actions, bu cultivating skilful mental

nt actions which is one of the elements of the Eightfold fering to achieve enlightenment.

ivate a more skilful way of life- you benefit more, other

15
ls; giving protection from fear. Buddhists
Mahayana Buddhists try to follow 5 oot to praise oneself and speak badly of badly of the 3 refuges.
nd endurance. Buddhists should learn to ssion and to have patience.
gth; Buddhists should put effort into
ion and awareness needed to achieve

Year 11 Child Development: Supporting Children to Play, Learn and Develop.

Physical needs that may impact on play, learning and development.		
What is a sensory impairment?	A sensory impairment would include a difficulty in seeing (visual impairment) or hearing (hearing impairment).	
What are some possible impacts of visual impairments?	Motor skills can be affected; may not move towards things as they can't see them; won't be able to fully explore so won't develop concepts easily; may struggle to talk as can't copy lip movements of others; not able to make eye contact causes difficulties in social situations; can't see facial expressions clearly; maybe less independent.	
What are some possible impacts of hearing impairment?	Discharge from the ears; posture issues; difficulties with reading and maths concepts; difficulty in speech as they cannot hear the sounds required to speak; restricted language can affect social development; can have low self- esteem.	



	TECHNICAL VOCABULARY
Delayed gross motor skills	Large movements of the body are r children of the same age.
Delayed fine motor skills	Small movements of a child's hand quickly as other children of the san
Poor concentration levels	Children find it difficult to focus on for a long time.
Down's syndrome	A biological disorder which occurs cells are dividing, and an error occu
Embryo	Stage of pre-birth when the egg ha
Delayed literacy skills	A child's reading and writing skills a milestones of their age and stage o
English as an additional language	English is not a child's first language child is exposed to from birth.
Positive role model	Someone who sets a good example
Social norms and values	Attitudes and behaviours that are o
Limited interaction	When a child has limited communion

Social and emotional needs	that may impact on play,
What impact can limited interaction with adults have?	Children may have a lack learn how to join in and p unacceptably to gain atte language skills.
What impact can having poor awareness of social norms and values have?	May display inappropriat social situations and pub concentrating or making have low self-esteem.
Why do some children have difficulty forming bonds with adults?	Premature birth; Postnat parent/parents health ar forming bonds with adult and development.
What are the impacts on a child if they don't play?	Child will not know what it hard to control emotio cooperate; won't learn h equipment; won't progre to adapt; can lead to anx
Why do some children have difficulties forming friendships?	May not have the skills – have formed bonds with and understand the need skills; English as an additi others; domineering; arg

Cognitive and intellectual	needs that may impact on play, learning and development.
What are the possible impacts of poor concentration levels?	Can lead to disruptive behaviour; can talk a lot and interrupt others; can be restless or fidgety; won't persevere with learning skills; lose interest quickly; difficulties in paying attention, following instructions or completing activities.
Why do some children have difficulties remembering instructions?	Developmental disabilities (ADHD; autism; Down's syndrome); concussion or traumatic brain injury; medical conditions like epilepsy.
What are difficulties in problem-solving?	Some children find this difficult as they haven't reached their age milestones for cognitive development. Developmental conditions like Down's syndrome which can mean a lower cognitive ability. Other reasons could be trauma; birth injuries; mothers using drugs/alcohol during pregnancy.
What impact can delayed literacy skills have?	Children who are left-handed can struggle with writing- longer to form letters; learning difficulties; behavioural problems.

Communication and Langu	age needs that may impact on play, learning and development
What are the benefits of	Cognitive skills are developed if using more than 1 language;
children learning English as an	problem-solving and creativity skills; memory improves; can socilaise
additional language?	with different people; closer bonds if have a shared language; links
	between language and culture/religion = self-identity/self-esteem.
What can be the negative	Children in a setting where they don't understand the language may
impacts of learning English as an	be frightened, they may feel different to others = low self-esteem.
additional language?	May take longer to settle in as they need time to learn the language;
	may lose their 'home' language; may have gaps in language or
	develop a speech delay.
How do we recognise speech	A child may have a speech delay if at 3 years old they are hard to
delay?	understand; don't ask for things by name; learn words but don't
	remember them; know fewer words than you'd expect. Delayed
	language can also come from medical issues; lack of stimulation or
	no opportunities to interact and learn language.

- not progressing as quickly as other
- Is and fingers are not progressing as ne age.
- what they are doing and/or focus
- during embryo development when urs causing development delays.
- is been fertilised.
- are not progressing to expected of development.
- e, the first language is the one a
- 2.
- considered 'normal' in society.
- ication and contact with adults.

, learning and development

- k of interest in things; may not play with others; behave ention and do not develop
- te and unwanted behviour in blic places; difficulties g friends; can be withdrawn and
- tal depression; a child's health or a nd abuse. If a child has difficulty Its this impacts on play, learning
- t they like or are interested in; find ons; unable to make friends or now to use resources and ess in development; won't be able kiety and depression.
- can't share or take turns; may not adults making it difficult to trust ds of others; delayed language tional language; not tolerant of gumentative.

Year 11 Child Development: Supporting Children to Play, Learn and Develop.



Social and Emotional needs	that may impact on play, learning and development: transitions
What can transitions bring to a child?	A new environment or a new relationship which can have different effects on different children.
How will children feel during transitions?	A range of feelings from excitement to stressed, anxious and nervous.
Why do children prefer things to stay the same?	Things being consistent helps children feel safe and secure- changes are unsettling.
How do children cope starting nursery/school?	Depending on age children may be nervous or excited; could suffer from separation anxiety; may cry; be clingy; ask lots of questions.
How do children cope with a new sibling?	This is a huge adjustment – many children are jealous or start to behave like a baby to gain attention (regression) may be aggressive and may try to hurt the baby or take their things.
How do family structures change?	Births; divorce; separation; death. Children may also move house or spend time at two different houses' Some children go into care and many children find adjusting to changes difficult.

Possible impact of not meeting expected milestones: -

- Unable to develop own ideas and make connections.
- May not develop language and social skills.
- Unable to understand concepts such as shape and colour.
- May not learn to control movements.
- Will not develop imagination and creativity.
- Poor concentration, perseverance and memory skills.

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	TECHNICAL VOCABULARY
Friendships	Relationships between friends.
Disruptive behaviour	Unwanted behaviour that disturbs
Transitions	Changes in children's lives.
Care or education	Settings that provide formal care/e
providers	example.
Sibling	Brother or sister.
Significant family	A close family member – parent, si
member	
Family structure	The way in which a family is organi
Expected milestones	Development that is expected at a
Initiate play	To start play.
Sustain involvement	Being involved for an extended pe
Perceived	Interpreting something in a particu
Isolate	Cause a person to be alone/apart f
Emotional resilience	A person's ability to adapt to stres

Possible impact of individual needs on physical learning and development: -

- Unable to access learning activities at varying levels.
- May not develop stamina.
- May not develop friendships.
- Unable to grasp small objects or manipulate materials.
- May tire easily and not be able to sustain involvement in activities.
- May be unable to navigate play areas and activities.

Possible impact of individual needs on cognitive development: -

- May not understand rules.
- Poor awareness of social norms.
- May not be able to sustain attention.
- May have difficulties taking turns; listening to others; sharing or being respectful.

Possible impact of individual needs on communication and language development: -

- Difficulties with speaking and listening.
- May not be able to make sense of information.
- Play with others may be limited.
- May lack confidence.

- May not be able to build friendships.

Possible impact of individual needs on social and emotional development: -

- May find cooperative play difficult.
- May have poor emotional resilience.
- May isolate themselves or be isolated by others.
- May refuse or find it difficult to join in team or group activities.
- May have limited expression of thoughts and feelings.
- May find building positive relationships difficult.
- May find it difficult to cope with change.
- May have low self-esteem.

Y s and interrupts activities. education for children – school for ibling or grandparent. ised. a particular age. eriod without interruption. ular way. from others. ssful situations.

development: s.
t in activities.
nt: sharing or being respectful.
anguage development: development: activities.

Key studies			Pove	erty		Power an
Davis and Moore (functionalist)		_	Definitions	of poverty	Formal	ower - power from
Society needs to place people into roles / social positions that need to be filled for society to operate smoothly. Some roles come with higher status (doctors, lawyers). People who fill the top roles are the most able, have the most drive/ambition and are the most competitive. Marx (Marxist)	Not being able survi Politicians pref are in poverty) not change bet	Abso to affo ve e.g. f er it (loo and is a ween c	Iute rd things you need to food/shelter oks like less people i fixed definition, does ountries	Relative Not being able to afford the general standard of living in society e.g. internet Sociologists prefer it (more accurate) and takes into account differences in standards of living between countries.	Forms of power / authority	 power from resp. Traditional – inh based on establ Charismatic – sh persuasive/insp Rational legal – through laws, ru
Class is an important division, the bourgeoisie have					Who	The ruling class
for profit. The working class and petty bourgeoisie			Reasons / explan	ations of poverty	power?	Men have powe
didn't benefit from the growth of capitalism. Small business couldn't compete and had 'downward social	Reasons	Poor	ealth, divorce, old age,	disability, unemployment, lack of education		employment, th the government
mobility'. The working class are not aware of their exploitation. Devine	The poor are responsible	Cultur as nor depriv	e of poverty – Socialised mal, unlikely to try and g ation – poverty being pa	within a subculture to accept poverty, see it get themselves out of it. Leads to a cycle of assed from one generation to the next.		Heterosexuals - in politics/police White individua
Conducted interviews at a car factory in the 1980s. She found evidence of the working class still being separate and still had working class values. This goes		Cultur motive spend	al deprivation – May not ated to get out of pover ing money rather than s	t have the correct norms and values to be ty, may seek immediate gratification (e.g. aving)		represented in p Older people – from politics (vo
against the idea of embourgeoisement. Townsend		Welfa	re dependency – Overge	nerous welfare benefits could mean there's		Power of
Conducted surveys on 2000 households about poverty, used relative poverty index and found the government underestimated poverty (6% vs. 22%). Concluded that poverty should be measured using a number of factors.	Society is responsible	no inc pover Class i workin and ze Globa	entive to work for less th ty trap. nequality – Marxists arg ng class are not given op ero hour contracts, low s lisation – Has led to a hig	ue capitalism is responsible for poverty as the portunities to get out of poverty (low wages ocial mobility) ther cost of living and low minimum wages,	Political system (Other sy proporti Can the public	system in the UK – o MPs elected based stems – dictatorship onal representation Yes – pluralist vio protests etc.
There is a growing underclass in British society caused		with le	ess manufacturing jobs a	s these have moved abroad.	influence	No – conflict app
by overgenerous welfare benefits. Can be seen in three ways – welfare dependency, juvenile delinquency, loss of traditional values.	Yes		Are poverty stat	istics accurate? No	state?	businesses rathe
Weber Believed class is important but is not just tied to income/wealth, status and power can affect someone's position in society too. He thought capitalism actually expanded the middle class and a revolution by the working class is possible.	official statistic	s are	believe society is fair a Feminists – statistics u wages, less opportunit Townsend – governme relative measures	ind do not revolt inderestimate female poverty due to lower ties etc. ents underestimate poverty and should use	Murray Britain, d	Does the unde Yes - underclass is in can be seen in
Distinguished between three types of power in society – charismatic, traditional and rational legal			Is poverty still an	issue in society?	welfare juvenile	dependency, delinguency and a
Society – charismatic, traditional and rational legal. Walby (Feminist) Men have more power in society due to patriarchy. This is shown in 6 ways – paidworl/employment, labour in the home, patriarchal culture, sexuality, male violence and the state. Public patriarchy is now more likely to exist than private patriarchy.	Poverty rates a (1/5 people) Marxists – min contracts still c Feminists – po	Y re incre imum w ause po verty is	es easing for all age groups vages and zero hour overty still an issue for women	No Functionalists – government policies have aimed to reduce poverty Less people are in absolute poverty now	loss of v Member undercla for the L There ar parent f	alues rs of the ondon riots re more lone- amilies in the ass

d authority

- the title/role someone has ect/appreciation earnt herited (e.g. monarchy),
- lished customs/traditions
- hown by a leader with
- pirational gualities
- shown by organisations ules and regulations
- have power over the working
- iew) er over women (in
- he home, society, violence,
- t) (feminist view)
- LGBT may have less power e etc.
- als BAME groups underpolitics
- younger may be excluded ote at 18)

the state

- democracy, first past the post on votes in constituency) ips (one person in power),
- ew, pressure groups, petitions,
- proach, Marxists, power of er than the public

derclass

rclass still exist?

No
Murray blames the victims
for being welfare
dependent but could be
due to divorce etc.
Marxists – the underclass
are scapegoated to blame
for society's problems
Many people who are on
benefits still aspire to have
paid employment/better
themselves

Half-Term 3 January-February

Subject Sociology

Key terms

Absolute poverty - Not being able to afford the basic things you need to survive in life e.g. food, clothing, Achieved status - Social positions are earned through personal talent, merit and effort, not fixed at birth Ascribed status - Social positions/status are fixed at birth (due to class) and do not change over time Bourgeoisie - The ruling class who owned the means of production and exploited the working class Culture of dependency – The welfare system encourages people to stay on benefits rather than support themselves through work Glass ceiling - An invisible barrier in employment that prevents some groups such as women or ethnic minorities from gaining promotions Life chances - The opportunity/chance of achieving positive or negative outcomes (e.g. healthy/ill, rich/poor) as you progress throughout life Power - The ability to get what you want, despite opposition Pressure group - A group formed to influence government policy on a particular issue Relative poverty - Not being able to afford to meet the general standard of living compared to most other people in their society Social exclusion - The inability of some groups in society (e.g. the elderly, the working class) to play a full part in society/access the full benefits Social inequality - The uneven distribution of resources (e.g. money or power) and opportunities Social mobility - The ability to move up the social ladder Social stratification - How society is structured in a hierarchy of layers based on factors such as age, gender Status - The social standing or prestige someone is given by other members of society. Underclass - A group in society who have different attitudes and values to others. They experience longterm unemployment, tend to be reliant on benefits Wealth - The ownership of assets (e.g. property, land, jewelry) and savings, shares etc. Welfare dependency - When individuals are reliant on the government for income for a prolonged period of time

<u>Ge</u>	nder & Poverty: Women have longer life expectancy so more fem- pensioners living alone. Women more likely to head lone-parent families. Usually have a low income. Gender pay gap Women are more likely to be in part-time income men. nicity & Poverty: Lower income families Generally disadvantaged in employment, pay ar quality of job. IIId Poverty: More likely to live in poverty if:	nale than
:	Household has four or more children. Where the head of the house is a lone parent or f an ethnic minority With no paid workers.	rom
	Poverty	Power
Functionalists	Focus on the positive functions of poverty for some groups e.g. knowing you could live in poverty means people will undertake undesirable jobs, creates jobs for groups who deal with the poor. The poor also reinforce mainstream norms and provide examples of deviance such as lazy and dishonest.	Government and politics serves a purpose to regulate main stream norms and values.
Marxists	Poverty is the result from class-based inequalities. It is inevitable that some people will be poor in a capitalist society. Poverty serves the interests of the bourgeoise who can hire and fire people e.g. if they demanded higher wages, the bourgeoise could threaten to higher from the unemployed.	Weber- power is based on coercion or authority. The main sources of authority are traditional, rational legal and charismatic authority. Marxists argue the bourgeoise use their power to exploit the proletariat. They have economic and political power.
Feminists	Women face the greatest risk of poverty than men, lone-mothers and the older women living alone in particular. The gender pay gap and the inequality of the division of caring responsibilities contribute to this.	Patriarchy- the system of our social structures and practices are male dominated and they use this power to oppress and exploit women.
New Right	Focus on individuals behaviour rather than structural causes of poverty. Stress the importance of traditional values and self-reliance. Welfare dependency and the underclass are key ideas in this approach.	The government does not meet it's peoples needs, and they believe their should be minimal government intervention from the welfare state.

Social Stratification

Course Courses
Sex & Gender
Sex: Male or female (biology)
Gender: masculine or feminine.
Gender & power:
Feminists see gender inequality as
the most important source of
division in society. Society is mainly
controlled by men who have
considerable power within politics
and the workplace.
The crisis of masculinity:
Men are currently experiencing this
because of the underachievement
of boys in school, the decline of
paid work in manufacturing,
women's increased participation in
paid employment.
Inequalities:
 Gender dominated
occupations e.g. fire-fighting,
nurserv worker.
 Glass ceiling for women-
invisible barriers for promotion.
Gender pay gap
Women's triple shift.
Childcare provision- barrier
preventing women from
returning to work
Fibeleik:
ETINICITY
A social group that share an
identity based on their cultural
traditions, religion or language
Ethnicity & Power:
Under-represented in political
power/decision makers. Also
under-represented in teaching,
armed forces, police officers,
particularly at high levels of the
organisation. Although 40% of
highest positions in the NHS are
from ethnic minority groups
Inequalities:

- Unemployment
- Discrimination in the labour market
- Minority groups have become an underclass (see Charles Murray)
- Racism is built into the workings of capitalism.

Half Term 4: February to April

 Government policy Political stability Exchange stability Foreign trade policy Inflation rates policy Inflation rates policy Tax policy Tax policy Unemploy- restrictions Career Automation Career Automation R&D activity Technology Climate Environmen- tal policies Climate Climate Employment laws Corruption Inflation rates policy Disposable Safety Technological emphasis Change Technological conscious- ness Lifestyle attitudes Climate Climate Corsumer protection Health and safety laws Health and safety laws
barriers

STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
 Things your company does well Qualities that separate you from your competitors Internal resources such as skilled, knowledgeable staff Tangible assets such as intellectual property, capital, proprietary technologies etc. 	 Things your company lacks Things your competitors do better than you Resource limitations Unclear unique selling proposition 	 Underserved markets for specific products Few competitors in your area Emerging need for your products or services Press/media coverage of your company 	 Emerging competitors Changing regulatory environment Negative press/ media coverage Changing customer attitudes toward your company

Subject Year 10 Enterprise

	TECHNICAL VO
Demand	Is the amount of custom
	goods or services.
Financing	Finding the money to do
Contingency plan	Is a back-up plan for whe
Gross profit	Is the money made from
	sales has been deducted
	Profit after tax is called r
Loan	Is a sum of money borro
	lender, usually with inter
Тах	Taxation is the amount o
	the government each year
	the amount of money th
Recession	When the number and value
	may be followed by a lack of
	are concerned about the fu
Legislation	Relates to the laws of a cou
Competitive Advantage	Is the advantage gained

Method	Methods of measuring		
Survival	Measuring survival is ba has traded. The first five challenging. The longer successful it has been.		
Making a living	Being able to create a co and their family is a mea money proved the ente		
Sales Volume/ value	The number of custome each customer spends) that demonstrate succe		
Market Share	The percentage of the n example, if an enterpris of the car washing mark £100,000 a year, they ha		

OCABULARY

ers, or potential customers, actively wanting your

something.

en things go wrong for an enterprise

n selling a product (sales revenue) after the cost of I. It is calculated before tax has been taken off. net profit.

wed that is expected to be paid back to the rest added on.

of money an enterprise or entrepreneur must pay ear. Enterprises and entrepreneurs are taxed on ney earn from running the business.

ue of goods and services produced is going down. This of consumer confidence and people buying less as they uture.

unty. Which everyone must obey.

by offering superior goods or services to those of cheaper prices

success

ased on the number of years an enterprise ve years of business are usually the most r the enterprise trades for, the more

comfortable and happy life for themselves easure of success. Being able to make erprise is a success.

ers (numbers of sales) and value (amount) of those customers are also measures ess.

market that an enterprise controls. For se has £10,000 worth of business per year ket, in an area where the market is worth have 10% of that market.

Potential benefit of hosting a major sporting event Reason how or why this aspect may be of benefit drawback of hosting a major sporting event Potential drawback of hosting a major sporting event Reason how or why this aspect may be of benefit drawback of hosting a major sporting event Results in more people spending money. Visitors may come again another time. Shows the place in a positive light. Potential drawback of hosting a major sporting event Reason how or why this aspect may be of benefit Potential drawback of hosting a major sporting event Reason how or why this aspect may be of benefit Potential drawback of hosting a major sporting event Reason how or why this aspect may be of benefit Potential drawback of hosting a major sporting event Reason how or why this aspect may be of benefit Potential drawback of hosting amajor sporting event Potential drawback of hosting a major sporting events Reason how or why this aspect may be of benefit Potential drawback of hosting a major sporting events Reason how or why this aspect may be of benefit Potential drawback of hosting and performance Increased trade Shows other towns/country so will think well of the potential business with. Is a 'show and performers doing well on 'hone soil' helps Night make a loss Sometimes to the communication communication communication Boost to businesses Increase in favour of major sporting events Some events happen in areas in need of regeneration, allowing whole areas to have millions spent on them when they otherwise wouldn't have done. Transport and the cope cope. <td< th=""><th></th><th></th><th></th><th></th></td<>				
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create a collective sense of national pride. Opportunity for A time when	cr	create a collective sense of national pride.	Opportunity for	A time when all eyes are on th
protest with a messa			protest	with a message they want to b
People enjoy it It's fun! People enjoy the party like atmosphere and being part of history. through prot	enjoy it It' be	t's fun! People enjoy the party like atmosphere and being part of history.		through protests etc. this can

ct may cause concern

- a major sporting event, organising unds to cover the preparation before any
- made from hosting the event does not cover rst place, leaving the country/town in debt
- hist groups are a real threat. Huge amounts y operations need to be put in place to
- ople will place great strain on transport and ey may need massive investment in order to
- ums standing empty and being left to rot e crowds go home.
- ea of the event or are concerned about the will reflect badly on the political party in
- anning and organisation then the whole and making fun of the event.
- he host place is the perfect time for groups be heard, to make themselves known reflect badly on the host.