

Year 11 Knowledge Organiser



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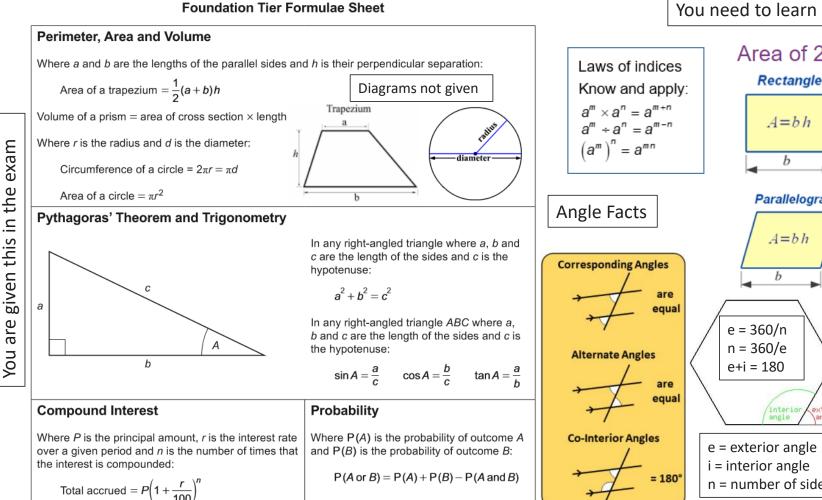
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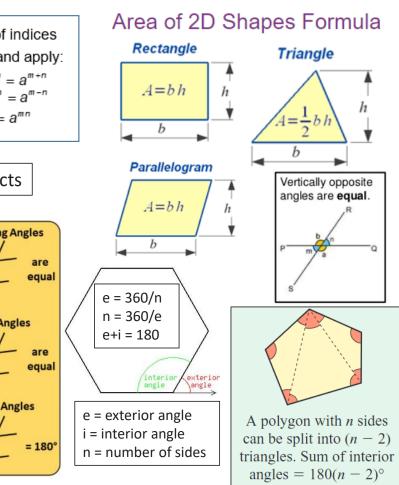
Maths



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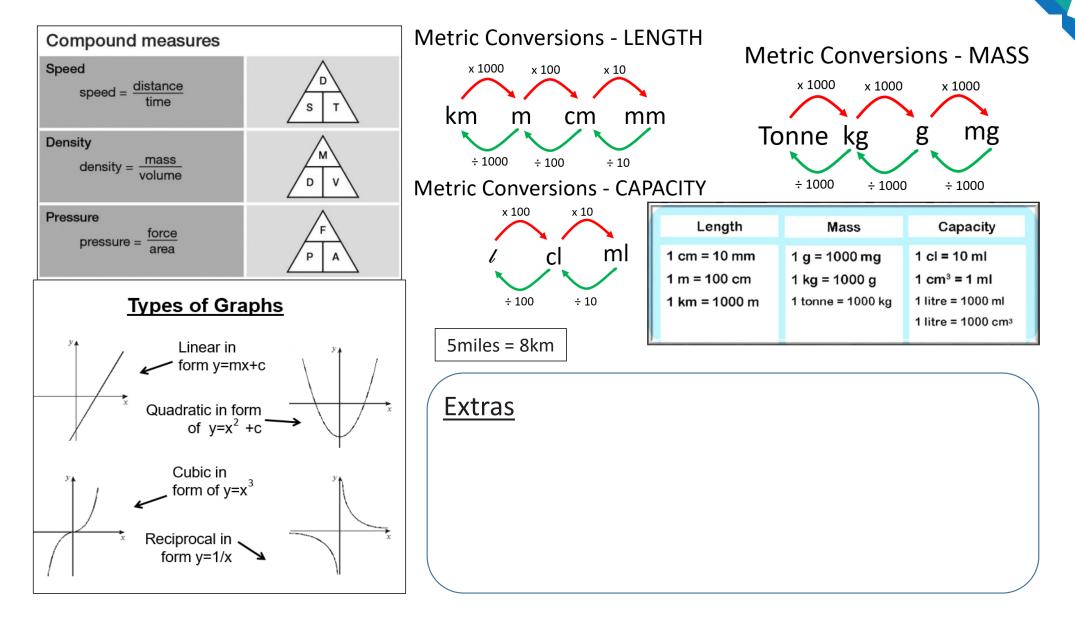


You need to learn these

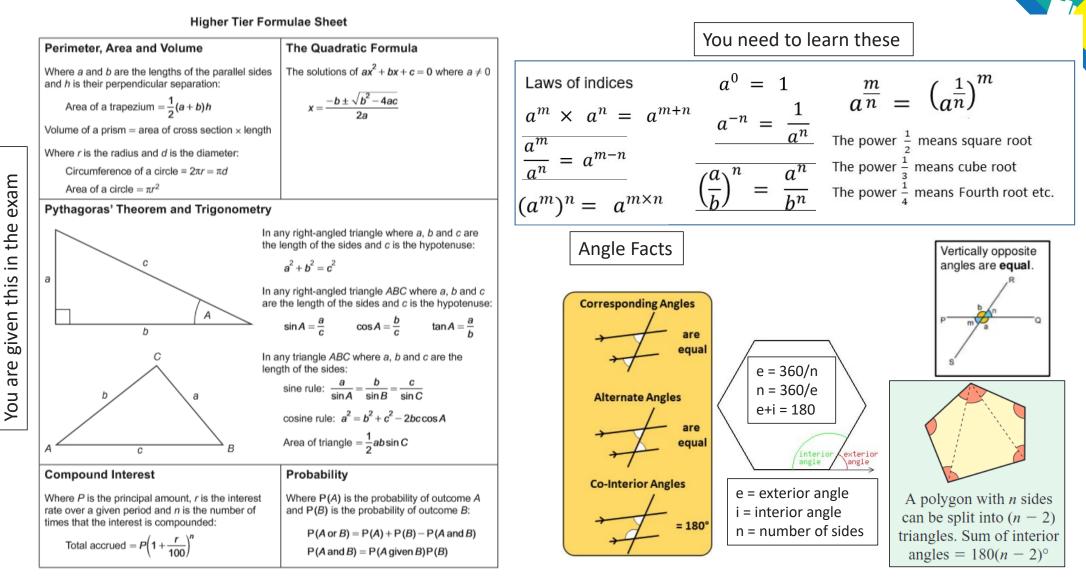




Maths - Foundation - Formula and Facts

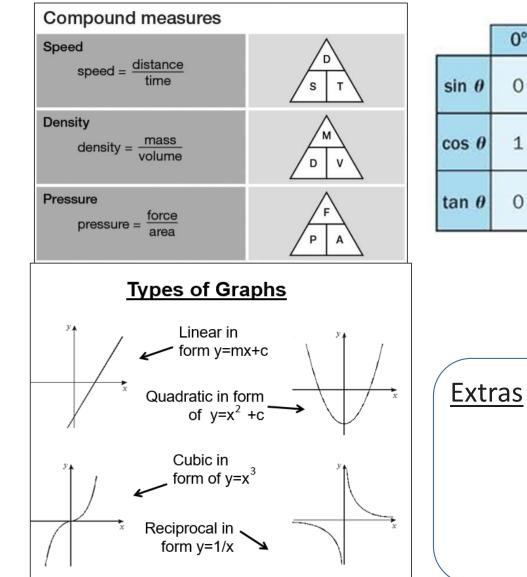








Maths - Higher - Formula and Facts



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$\cos \theta$	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0
tan θ	0	$\frac{\sqrt{3}}{3}$	1	√3	± ∞







English Language Paper 2: Reading

Q3/ 4 Word class	Definition	Example
Verb	A verb is a word or set of words that shows action (<i>runs, is going, has been painting</i>); feeling (<i>loves, envies</i>); or state of being (<i>am, are, is, have been, was, seem</i>)	The curfew simply <u>perpetuated</u> the idea that young people <u>were</u> not to <u>be</u> trusted.
Adverb	An adverb labels how, when or where something happens (and they often end in '–ly').	I apologised profusely for my error.
Noun	Nouns are names, places and things; they also signify imagined things like 'a ghost'; and ideas or concepts, such as 'love', 'guilt' or 'fate'.	You ought to feel a sense of <u>regret</u> for your <u>actions</u> .
Pronoun	Words used instead of a noun i.e. 'he', 'she', 'they', 'it'.	I cannot tackle this alone; we need to unite to make a change.
Adjective	An adjective is a describing word or phrase that adds qualities to a noun. It normally comes before a noun, or after verbs like 'am', 'is', 'was', 'appears' or 'seems'.	Your attitude is <u>defeatist</u> and, quite frankly, <u>disappointing</u> .
Preposition	Prepositions are words and phrases that give information about place, time and manner	We must stand <u>beside</u> one another and fight against these corporations.

Sentence types	Examples
Imperative	Accept that there is nothing to be done.
(giving a command)	Change the way you think.
Declarative	She was contrite when she apologised.
(stating information)	As a group, they seemed despondent.
Interrogative	Was it everything you wished for?
(asking a question. They end with a	Why not go against the status quo and dare to be
question mark)	different?
Exclamatory	They were obnoxious!
(expressing a heightened emotion.	I may be many things but defeatist is simply not one of
They end with an exclamation mark)	them!

Q3/ 4 Non-Fiction Writers' Methods	Definition	Example			
Rhetorical question	A question asked in order to prompt further thought or to make a point rather than to get an answer.	If not me, then who? If not now, then when?			
Allusion	A reference to another literary, artistic, historical, or musical work.	We must act as our own 'Inspector' in Priestley's famous play, and demand honesty, integrity and truth from those around us.			
Simile	A descriptive technique that compares one thing with another, usually using 'as' or 'like'.	He is as determinedly dishonest as a politician attempting to cover his latest immoral decision.			
Emotive language	Words/ phrases deliberately used to evoke a powerful feeling from the reader i.e. sympathy, anger.	I find the notion that I am not worthy of voting for my country's next leader because of my age, both <u>demeaning</u> and deeply <u>insulting</u> .			
Statistic A fact that is supported by numerical data.		The Trussell Trust's foodbank network distributed 1,332,952 three day emergency food supplies to people in crisis, a 13% increase on the previous year. 484,026 of these went to children.			
Flattery	Deliberately complimenting the reader.	The very fact that you are reading this article suggests that you are compassionate and understanding of the plight of your fellow man.			
Hyperbole	Deliberately exaggerated language.	He was so obnoxious; I was hoping he would be arrested on the spot and given a very long prison sentence purely for not saying please or thank you.			
Humour	Describing a surprising or unexpected reaction to an event/ person/ object to create amusement	My brother may look angelic but do not be fooled by his toddler aesthetic: he is a tiny-but very real-psychopath.			
Irony/ sarcasm	When the literal meaning and the intended meaning are the opposite, typically for humorous or emphatic effect.	There is nothing I enjoy more than being chastised by a group of people who have			
Listing	When the writer includes several words/ phrases/ ideas, one after the other.	We ought be challenging the status quo, demanding more and not settling for easy answers.			
Personification	Describing an inanimate object as having human feelings.	If we are not careful, prejudice will become our leader and it will dictate our actions and thoughts.			
Eye-witness quotation/ expert quotation	Direct speech from a person who witnessed an event/ direct speech from someone who has an in- depth understanding of the topic.	The British Nursing Association said the move was "hugely concerning" and a stark example of the "extreme workforce pressure" at NHS emergency services, which are facing rising demand while recruitment and retention of nurses gets harder.			

Methods Continued	Definition	Example
Colloquialism	Informal /spoken language.	To lol or not to lol: that is the question.
Repetition	When a word/ phrase is noticeably repeated throughout a sentence/ paragraph/ whole text.	<u>One</u> child, one teacher, <u>one</u> pen and <u>one</u> book can change the world.
Tone	The feeling/ attitude displayed at different points in the text.	The text begins by establishing a humorous tone but the tone quickly becomes more serious as the writer outlines their argument.
Intensifier	A word, especially an adverb or adjective, that has little meaning itself but is used to add emphasis to another adjective, verb, or adverb	They were very despondent.
Minimiser	A word that is used to make another adjective, verb or adverb sound lesser.	Admittedly, her response was <u>slightly</u> perturbing.

Paper Overview (Section A):

- 1. Multiple choice- 4 marks
- 2. Summarising and comparing the writers' ideas- 8 marks
- 3. Analysing the writers' use of language- 12 marks
- 4. Comparing the writers' use of language/ structure- 16 marks



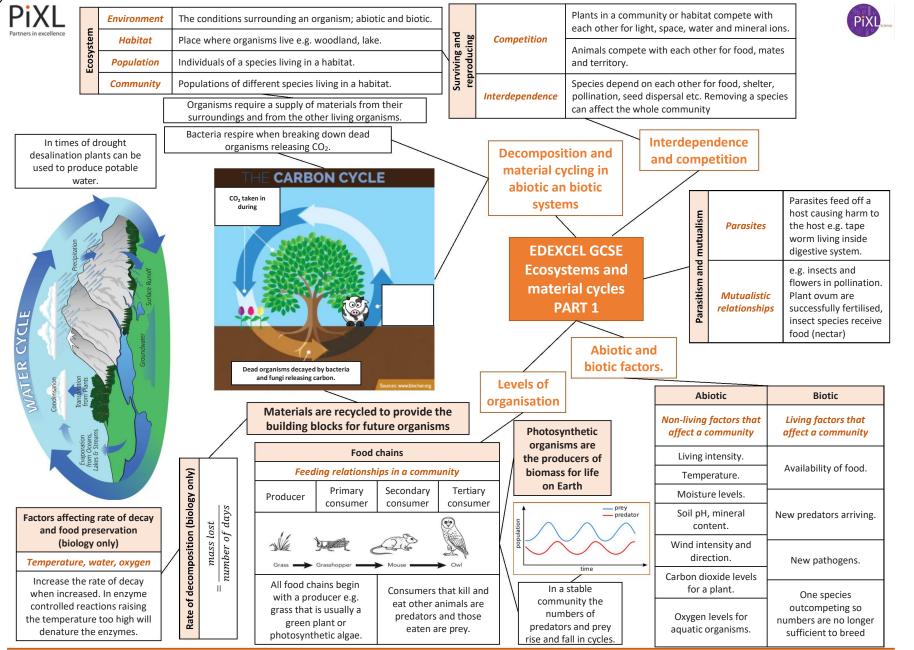
English Language Paper 2: Writing

Paper 2 Language Techniques	Definition	Example				Q5 Text Types
Rhetorical question	A question asked in order to prompt further thought or to make a point rather than to get an answer.	If not me, then who? If not now, then when?	Lette	er	□a f □eff	e use of addresses & date formal mode of address e.g. Dear Sir/Madam or a named recipient fectively/fluently sequenced paragraphs n appropriate mode of signing off: Yours sincerely/faithfully.
Allusion	A reference to another literary, artistic, historical, or musical work.	We must act as our own 'Inspector' in Priestley's famous play, and demand honesty, integrity and truth from those around us.	Articl	Article a strapline & subheadings an introductory (overview) parag		
Simile	A descriptive technique that compares one thing with another, usually using 'as' or 'like'.	He is as determinedly dishonest as a politician attempting to cover his latest immoral decision.		Leaflet (text only)		ganisational devices such as inventive subheadings or boxes
Emotive language	Words/ phrases deliberately used to evoke a powerful feeling from the reader i.e. sympathy, anger.	I find the notion that I am not worthy of voting for my country's next leader because of my age, both <u>demeaning</u> and deeply <u>insulting</u> .		Speech		
Statistic	A fact that is supported by numerical data.	The Trussell Trust's foodbank network distributed 1,332,952 three day emergency food supplies to people in crisis, a 13% increase on the previous year. 484,026 of these went to children.	Essa			n effective introduction and convincing conclusion fectively/fluently linked paragraphs to sequence a range of ideas.
Flattery	Deliberately complimenting the reader.	The very fact that you are reading this article suggests that you are compassionate and		5	<u>stru</u>	cturing your response
		understanding of the plight of your fellow man.		1	۱.	Drop
Hyperbole	Deliberately exaggerated language.	He was so obnoxious; I was hoping he would be arrested on the spot and given a very long prison		2	2.	Anecdote
		sentence purely for not saying please or thank you.		3	3.	Research paragraph
Humour	Describing a surprising or unexpected reaction to an event/ person/ object to	My brother may look angelic but do not be fooled by his toddler aesthetic: he is a tiny-but		4	1.	Counter argument
	create amusement	very real-psychopath.		5	5.	Rhetorical Challenge
Irony/ sarcasm	When the literal meaning and the intended meaning are the opposite, typically for humorous or emphatic effect.	There is nothing I enjoy more than being chastised by a group of people who have				
Eye-witness quotation/ expert quotation	Direct speech from a person who witnessed an event/ direct speech from someone who has an in-depth understanding of the topic.	The British Nursing Association said the move was "hugely concerning" and a stark example of the "extreme workforce pressure" at NHS emergency services, which are facing rising demand while recruitment and retention of nurses gets harder.			La	anguage Paper 2: Writing

Science



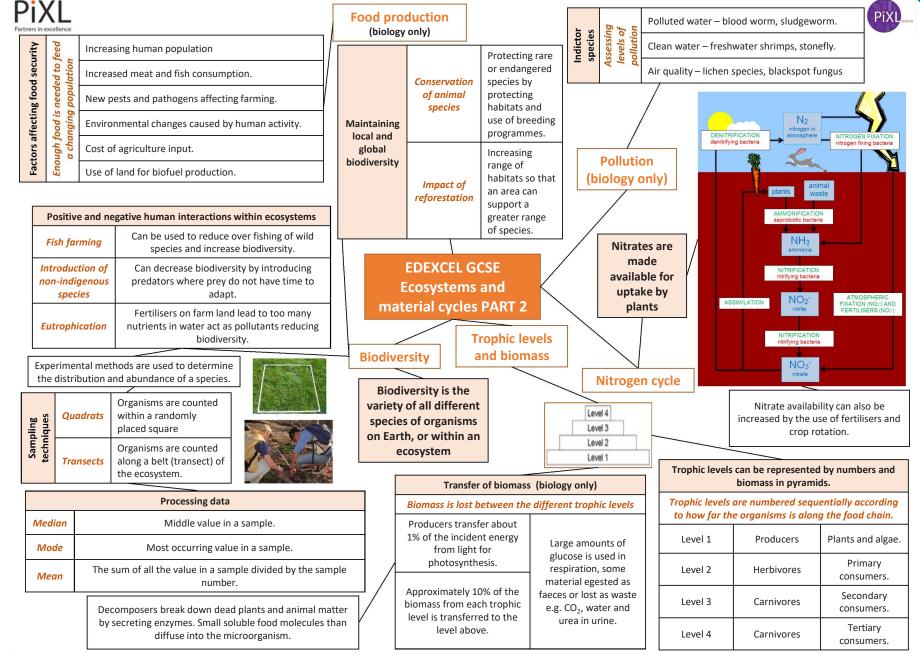
Science: SB9 - Ecology - Part 1



better hope – brighter future



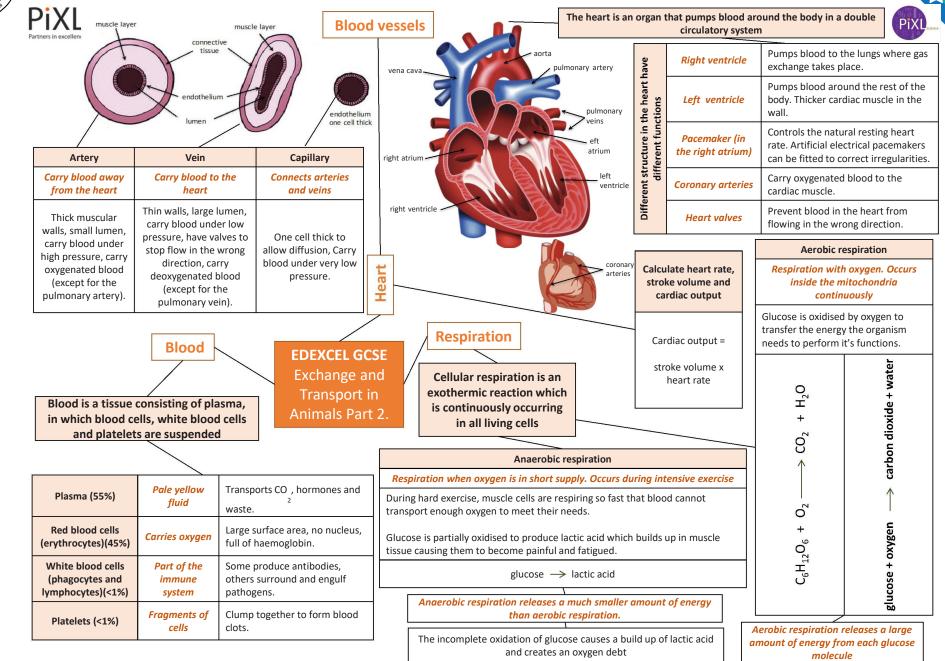
Science: SB9 - Ecology - Part 2



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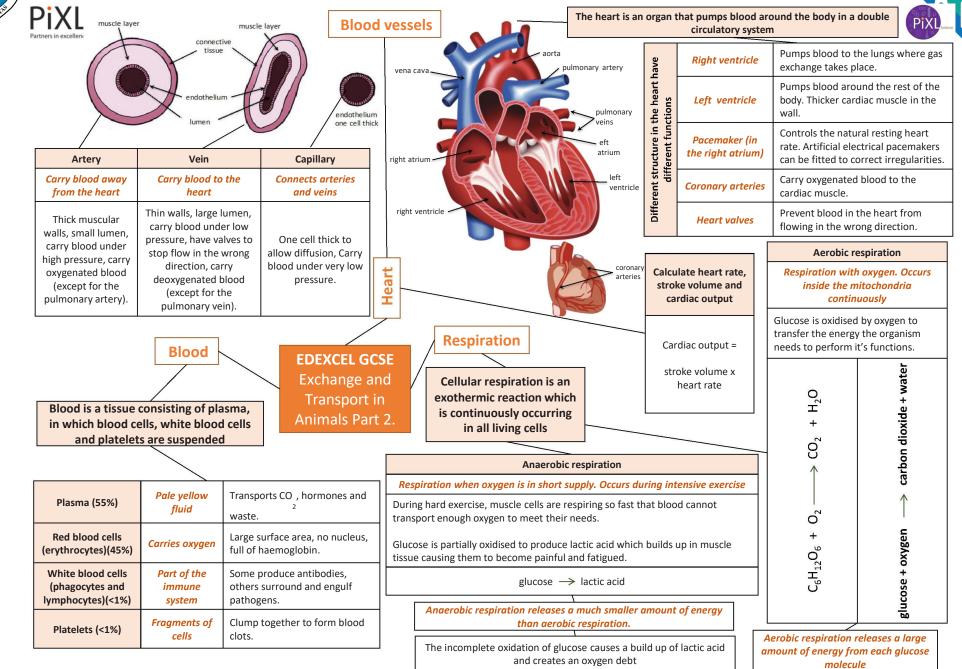
Science: Biology SB8 - Respiration & Exchange



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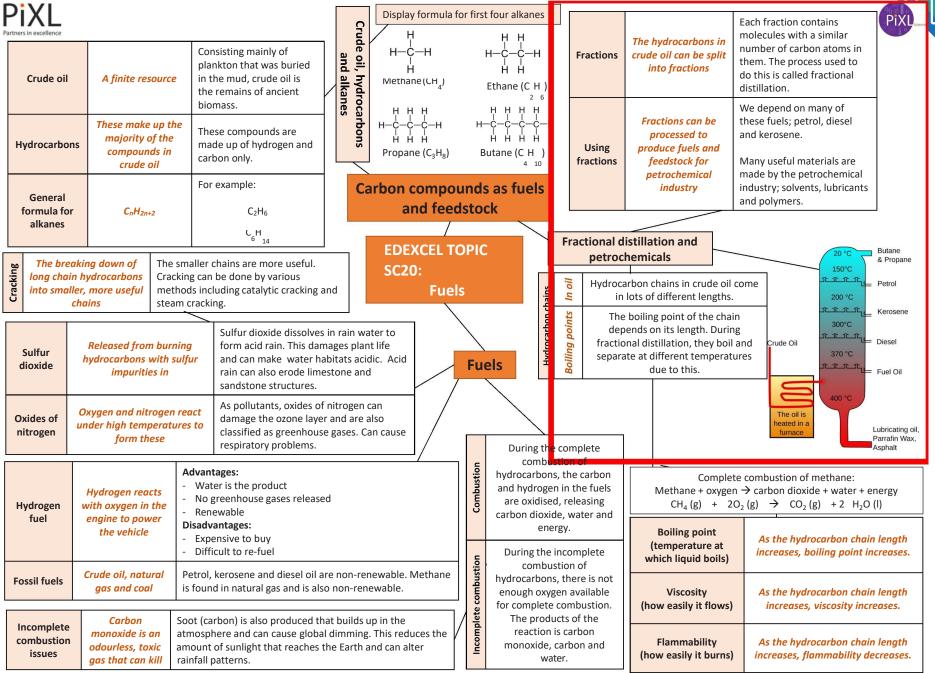
Science: Biology SB8 - Respiration & Exchange



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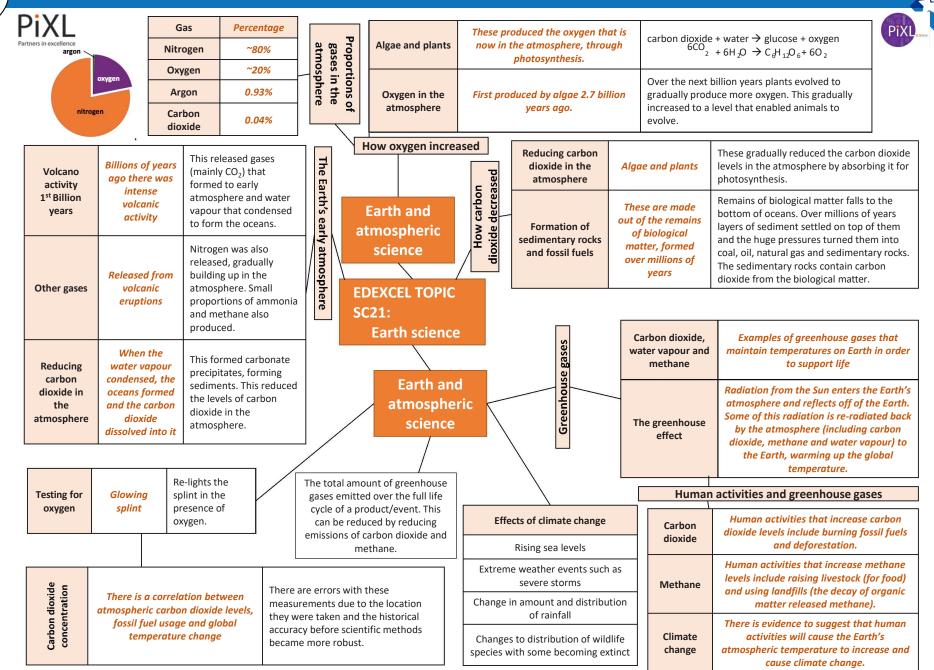


Science: S20 Fuels





Science: SC21 - Earth Science

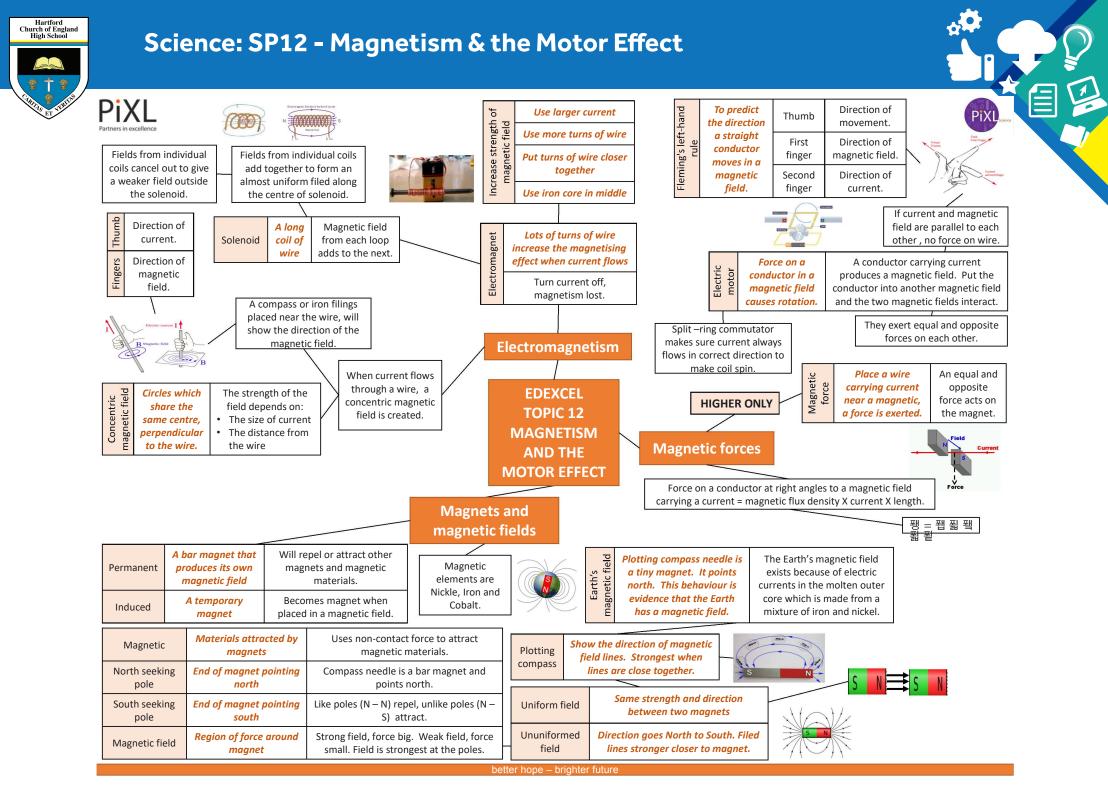




Science: SC22-24 - Alcohols & Polymers

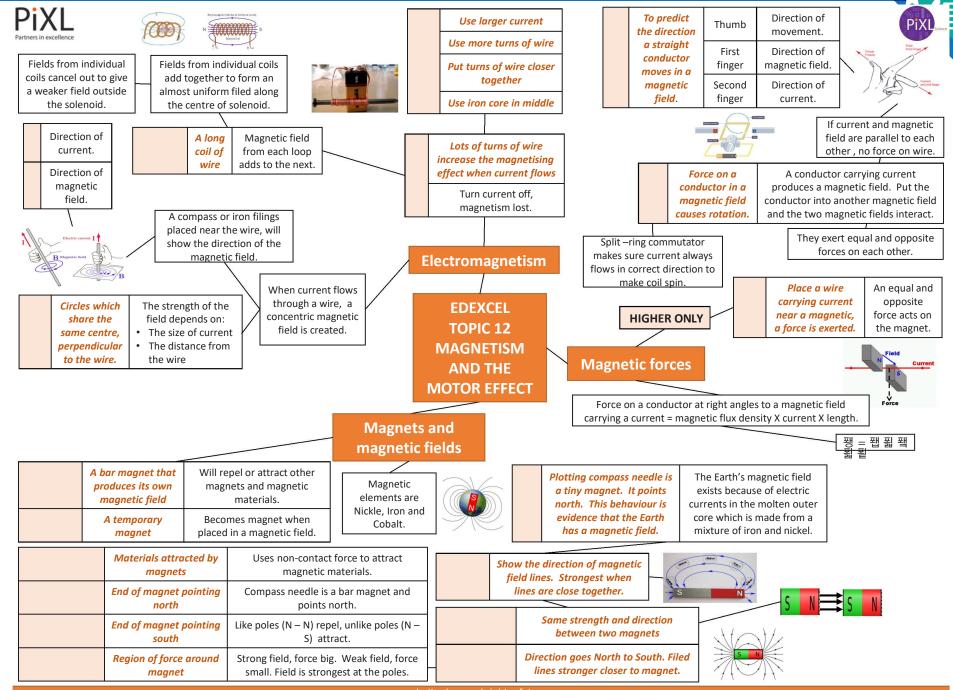
	Nanoparticl	es Betw	veen 1 and 1	00 nanometres (nm) in s	ize		1 nanometre (1 nm	ı) =	1 x 10 ⁻⁹ metre	s (0.000 000 001	m or a billionth of a metre).						
DNA structure	Most DNA molecules are two polymer chains made from four different monomers, called nucleotides. They are in the double helix formation.		ent s. They	Use of nanoparticles surface include healthcare, Nano		Nanoparticles have a large surface area to volume ratio.		surface area to volume ratio.		surface area to volume			Functional group	-COOH For example: CH ₃ COOH	Methanoic acid, ethanoic acid, propanoic acid and butanoic acid are the first four of the homologous series.		
Natural	Other naturall include proteir	y occurring pol	ymers ellulose	cosmetics, sun cream catalysts, deodorants electronics.	to neonle They may be able		to people. They may be able to enter the brain from the		to people. They may be able to enter the brain from the		to people. The to enter the l		to people. T to enter the		Carboxylic	Carboxylic acids react	Carboxylic acids and carbonates: These acids are neutralised by carbonates.
porymers	and are all imp	oortant for life.					harm.		acid	with carbonates,	Carboxylic acids and water: These acids dissolve in water.						
Polymer		aterials	and add to	e non-biodegradable the growing landfill	Nan		Carboxylic acids		reactions	water and alcohols.	Carboxylic acids and alcohols: The acids react with alcohols to form esters.						
issues	oil, a finite	from crude e resource. es include	release harn	nen combusted, they nful gases which can to global warming.		EXCI	EL TOPIC		О Н ОН	H O H-C-C H O	нно ннно н-с-с-с, н-с-с-с, -н нно-н ннно-н						
Recycling polymers	conservi resources	ing finite		tages of recycling clude the cost of the	Or		22-24 c Chemistry		Methanoic acid	Ethanoic acid	Propanoic Butanoic acid acid						
	gases and	l reducing dfill.	Properties	process.	Polyn	ners	Alcohols		Functional group	-OH For example CH ₃ CH ₂ OH	5						
	ethene)	-	ieap, electric	al insulator. Used for nd coating on electrical	Additi	Condens	н-с-он			- 3- 2-	Alcohols and sodium: bubbling, hydrogen gas given off and salt formed.						
Poly(p	ropene)	Flexible and	strong. Used	for buckets and crates.	Addition polymerisation	ation po	H-C-OH H Methanol		Alcohol	reactions with sodium,	1, alcohols burn in air releasing carbon dioxide						
	oroethene) VC)	Tough, cheap	o and long la fram	sting. Used for window es.	olymerisa	H-Ċ-Ċ-O-H H H Ethanol			air and wate	Alcohols and water:							
	uoroethene) TFE)	Tough and n	on-stick. Use on pa	d for non-stick coating ns.	tion	satior					alcohols dissolve in water to form a neutral solution.						
Polymers	Alkenes al	re used to make rs by addition nerisation.	e Man togethe	y small molecules join r to form polymers (very large molecules).		Condensation polymerisation (HT only)			Fermentation	Ethanol is produced from fermentation	produced. The conditions needed for this process include a moderate temperature						
Displaying polymers	repeatin same d	n polymers, the g unit has the itoms as the pnomer.	n (H c=	be displayed like this:	Conde				polymerisation h two function	n involves al groups	When these types of monomers react they join together and usually lose small molecules, such as water. This is why they are called condensation reactions. Example: polyester.						

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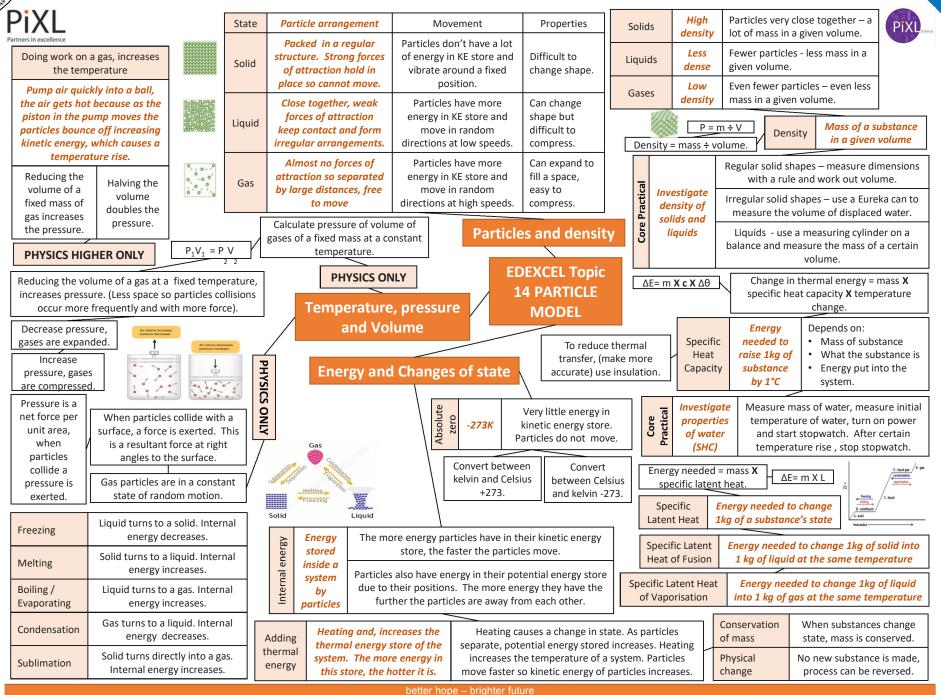
Science: SP12 - Magnetism & the Motor Effect

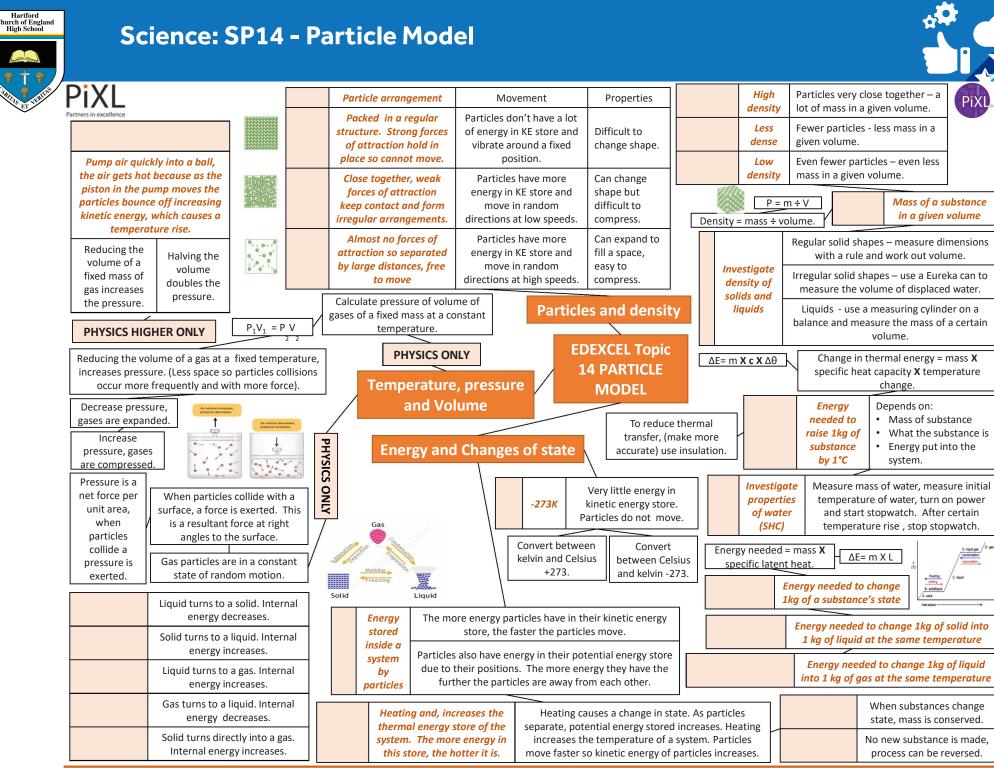


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Science: SP14 - Particle Model





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Kaiser Wilhelm II

The leader of Germany in 1890 was Kaiser Wilhelm II. He was an autocrat, which meant that he was in complete charge of Germany. He did have a Chancellor, but only the Kaiser could appoint him (he could dismiss him too). There was a Reichstag or parliament, however, this had very limited to power. It had no say on policy or government actions.

However, there was a growing call for greater democracy, particularly from the Social Democrat Party, who represented the working class. Although the Kaiser had introduced a generous package of welfare laws e.g. Old age pensions and unemployment benefits, many working class people still continued to vote for the SDP who wanted a lessening of the Kaiser's powers.

Further Problems

Germany had concentrated on building up its industry during the late 19th century, making it the strongest economy in Europe. However, this led to shortages in farming and agriculture. Germany had to import a large proportion of its food. This could be dangerous if a major war broke out.

Kaiser Wilhelm II also wanted Germany to be a great international power and develop an empire. This led to him creating a modern navy. However, this was viewed as a threat by GB and tensions rose between the two countries, culminating in war in 1914

Impact of WWI

The war cost Germany a huge amount in terms of lives and money. At the end of the war Germany was virtually bankrupt. Its people were also starving due to the Allied blockade. Nearly a million children were orphans, and on top of this a revolution took place at the end of the war, which saw the end of the Kaiser's rule. Germany lost WWI and suffered the humiliation of having to pay reparations to the Allies. Many Germans thought that the final figure of £6.6 billion was too high. They also lost large amounts of their territory and had to reduce their army. The new Weimar Government were forced to sign the Treaty of Versailles, which led to many German people to hate this new government as they thought it had 'stabbed the people in the back'.





Causes of revolution in Germany

WWI – Germany's failure in WWI had come as a shock to many Germans who had been convinced of success through propaganda. Defeat had shattered ideas that Germany were a global superpower.

Treaty of Versailles – German people were outraged at the terms of the ToV. They were forced to accept blame for the whole war, lost colonies and land to European nations, and fined £6.6 billion in reparations.

Social unrest – Many working class Germans who had grown to hate the Kaiser were unhappy at the upper classes and gentry who still held most of the power despite loosing the war. Those Germans would also show discontent at the failings, weakness and disorganisation of the Weimar Republic.

Economy – Having spent most of their money on total war, Germany faced an economic issue post WWI. Germany had loans to repay, reparations forced upon them, and the loss of jobs from the reduction of their army from 3 million to 100,000.

Spartacist revolt – January 1919

Communist uprising led by Karl Liebknecht and Rosa Luxemburg. Spartacists wanted to replicate the Bolshevik revolution in Russia and went on strike. Taking to the streets to protest they ended up in violent clashes with the Freikorps – a dangerous group of right wing ex military servicemen - who eventually put them down.

Kapp Putsch – March 1920

In crushing the communists the Freikorps had saved the government, but the terms of the Treaty of Versailles meant Germany's army had to be significantly reduced and the Freikorps had to be disbanded. During 13 - 17 March 1920, as a reaction to this, the rightwing nationalist, Dr Wolfgang Kapp led a Freikorps takeover in Berlin. The regular army refused to attack the Freikorps; Kapp was only defeated when the workers of Berlin went on strike and refused to cooperate with him.

Munich Putsch

Causes:

Events:

1923 - 55,000 Nazi members Hyperinflation Copying Mussolini Weimar called off strike in Ruhr.

Hitler and SA storm Munich beer hall. Forced politicians to agree to rebel. Next day Hitler marched into Munich. Politicians had called police when Hitler let them go.

Short term failure:

Nazi party was banned Hitler was tried for treason Hitler sentenced to 5 years in prison.

Long term success:

Mass media coverage of Hitler Hitler served only 8 months Wrote Mein Kampf Changed tactics to democratic means.

Hyperinflation -1923

Police opened fire and Hitler was arrested 2 days later

Hyperinflation is when money quite literally becomes worthless. This happened in Germany 1923. It started after France and Belgian troops invaded the Ruhr after Germany failed to pay its second reparations instalment. The workers went on strike, which the Weimar Government supported, and in order to pay the striking workers the government printed off money. This caused prices to increase rapidly. The cost of 1 egg was over 6 billion marks!!!Hyperinflation left a legacy of bitterness amongst Germans, especially the Middle Class who had their life's saving wiped out because of the crisis





Stresemann Years – Golden Age of Weimar

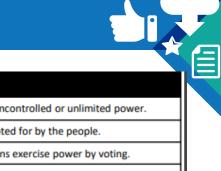
In 1924 Gustav Stresemann became the new leader of the Weimar Republic. The first problem he tackled was the Hyperinflation crisis. In order to solve this he introduced a new currency called the Rentenmark, which helped to stabilise the currency and build confidence. He also negotiated loans from the USA in a deal known as the Dawes Plan. This was where the USA loaned \$800 million to Germany. This allowed Germany to invest in its industry and in the short-term allowed Germany to recover economically. However, in the long-term it created a problem, since Germany's wealth was based on American loans, and if the Americans recalled these loans, Germany's economy would be in tatters.

In foreign affairs Stresemann also signed the Locarno Treaties. This allowed Germany to be part of the international community again, as Germany accepted its new western borders with France and Belgian and promised never to use war as an instrument of foreign policy. It also paved the way for Germany to join the League of Nations, which they had been forbidden to join in 1919. This also allowed Germany to normalise its relations with other countries and trade more easily.

Finally, Stresemann negotiated the Young Plan in 1929. This reduced reparations by two-thirds (£2.2 billion) and gave Germany longer to pay their debts off. However, in the same year America was hit by the Wall Street Crash which led to a Great Depression. As a consequence the USA recalled its loans from Germany, setting off an economic disaster within Germany, where unemployment rose to over 6 million and many banks and businesses became bankrupt.



History - Germany 1890-1945: Democracy to Dictatorship



	Timeline Of Key Events				
1888	Kaiser Wilhelm II becomes the Emperor of Germany. This is an autocracy.	Autocracy			
1898	First Naval Law, this is introduced to make Germany build 7 more battleship over the next 3 years. Further Naval Laws are introduced up until 1912.	Reichstag			
1912	The SPD have become the biggest party in the Reichstag.	Democrac			
1913	Germany are producing as much coal and more iron than Britain.	Bundesra			
1914	Outbreak of WWI and start of the British Blockade.	SPD			
1917	Turnip Winter - German people are surviving only on turnips and bread.	Kaiser			
1918	End of WWI and the Kaiser abdicates. Germany sign the armistice.	Industrial			
1919	Spartacist Uprising. An attempt by the Communists to take power, however it fails and is put down by the army and Freikorps.	Constituti Proportio Represent			
1919	Germany sign the Treaty of Versailles . This takes away land, enforces reparations, reduces their army and gives them the blame for WWI.	Coalition			
1919	The Weimar Republic are formed. They are a democracy.				
1920	The Kapp Putsch. A right wing group led by Wolfgang Kapp and the Freikorps. They seize Berlin, however they fail as the workers go on strike.	Treaty of Versailles Diktat			
1922	Germany declare bankruptcy and say they cannot pay back their loans.	Inflation			
1923	France and Belgium invade the Ruhr. German workers go on strike.				
1923	Hyperinflation occurs as the German currency becomes worthless due to the continued printing of more and more money.	Golden A			
1923	The Munich Putsch. Hitler and the Nazis storm into a beer hall in Munich to try and lead a revolution. It fails due to lack of support.				
1924	Gustav Stresemann is named foreign minister. He replaces the old currency with the Rentenmark to end hyperinflation.	Kaiser Wi			
1924	Dawes Plan is agreed. The USA lend Germany 800 million gold marks.	Luxembo			
1925	Locarno Pact agrees that Germany, Britain, France and Belgium will not	Friedrich			
	invade each other.	Wolfgang			
1926	Germany joins the League of Nations	Freikorps			
1928	Kellogg-Briand Pact. Countries agree to settle disputes peacefully.	Gustav			
1929	The Young Plan lowers the amount of reparations Germany have to pay.	Stresema			

	key words			
Autocracy	A government in which one person has uncontrolled or unlimited power.			
Reichstag	The German parliament, members are voted for by the people.			
Democracy	A system of government where the citizens exercise power by voting.			
Bundesrat	Bundesrat A council of members from the states of Germany.			
SPD	The Social Democratic Party, a left-wing group popular with workers.			
Kaiser	The King of Germany.			
Industrialisation	The process of developing a countries industry.			
Constitution	Laid out the methods for which Germany would be governed after 1919.			
Proportional Representation	Electoral system where seats are assigned by the percentage of votes gained.			
Coalition	A government that is formed by two (or more) political parties as nobody has a majority.			
Treaty of Versailles	A treaty signed by Germany after WWI which created much anger within the country.			
Diktat	Dictated peace.			
Inflation	Where there is an increase in prices and the amount of money produced, this may lead to hyperinflation.			
Golden Age	A period in the 1920s of Germany where there were developments in music, cinema, the arts, etc			
	Key People/Groups			
Kaiser Wilhelm II	The emperor of Germany. He was autocratic and nationalistic.			
Liebknecht & Luxembourg	The two leaders of the Spartacist Uprising.			
Friedrich Ebert	Leader of the SPD party and the first President of the Weimar Republic.			
Wolfgang Kapp	Leader of the Kapp Putsch, a right-wing politician.			
Freikorps	Ex-soldiers who were right wing. Kept hold of their weapons after the WWI.			
Gustav Stresemann	Chancellor and then foreign minister. Credited with saving Germany and restoring it onto the world stage.			

Key Words



Research:

How did the Russian revolution impact the outcome of WWI?

Was the Weimar government in Germany 'doomed from the start'?

Which uprising was the biggest threat to Weimar Germany: Spartacist uprising or Kapp Putsch?

How can the Munich Putsch be both a failure and a success?

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Economic and Industrial Change in the UK

Key causes of change:

De-industrialisation is the decline of traditional industries such as manufacturing. This has happened because: machines and technology have replaced many people. Other countries e.g. china can produce cheap goods because labour is less expensive. **Globalisation** — is the growth and spread of ideas around the world. Many people now work on global brands in the quaternary sector e.g. in IT. Increased world trade and cheaper imported products have contributed to the decline in UK manufacturing. **Government policies** — government decisions on investment in new infrastructure and technology and support for businesses (e.g. tax breaks) affect how well the economy grows. Membership in government groups, e.g. World Trade Organisation, make it easier for companies in the UK to operate across the world.

Moving towards a post-industrial economy:

A post-industrial economy is where manufacturing industry declines to be replaced by growth in the service sector and quaternary sector. This happened in the UK from the 1970s.

- By 2015, 78 per cent of UK employment was in the tertiary sector and 10 per cent in the quaternary sector.
- Only 10 per cent of employment was in manufacturing compared to 55 per cent in 1900.
 Development of information technology the use of IT is a key factor in the UK's move to a post-industrial economy. Internet access allows people to work from home. Over 1.3 million work in the IT sector. And the UK is one of the world's leading digital economies.
 Service industries and finance the UK service sector has grown rapidly since 1970s, today is contributes over 79% of the UK's GDP. Finance is an important part of the service sector the UK is the world's leading centre of financial services Some, like HSBC, have their global headquarters in the UK. The financial services sector accounts for about 10% of the UK's GDP.
 Research and development (R&D) is increasing in the UK, making use of the UK's highly skilled university graduates research employs over 60,000 people. In 2013, nearly £30 billion was spent on R&D in the UK and it is estimated to contribute £3 billion to the UK economy and it one of the UK's economy' main growth areas in the future.

Environmental impacts of Industry on the physical environment

Large-scale extraction industries such as **mining** and **quarrying** can have an impact on the environment. Quarries have been cut out of the countryside and huge waste tips piled up on the edges of mining settlements. They can destroy natural habitats, pollute water courses and scare the landscape. Modern **manufacturing industries** have an effect on both the landscape and the environment. Manufacturing plants can look very dull and uninteresting and can have a negative visual effect on the landscape. Industrial processes can cause air and water pollution, as well as degrading the soil. The transport of raw materials and manufacturing products is usually by road, which increases levels of air pollution and damage to the environment when roads are widened or new ones built

UK Science and Business Parks

A **science park** is a group of scientific and technical knowledge-based businesses located on a single site. Most are associated with universities, enabling them to use research facilities and employ skilled graduates. Science parks may also include support services such as financial services and marketing. Science parks often have: Good transport links – close to motorways/ railway / airports. Excellent links with universities. Attractive location with green areas.

A **business park** is an area of land occupied by a cluster of businesses. Business parks are usually located on the edges of towns because: land tends to be cheaper than in town centres and with more land, it may be possible to extend businesses. Access is also better with less congestion. Businesses can benefit by working together.





How can industrial development be more sustainable?	Named Example: Torr Quarry, Somerset
Today there is a much greater concern about the need for industries to	Torr Quarry is an example of how modern industry can be more
be environmentally sustainable. This can be achieved in a number of	environmentally sustainable. Torr Quarry is a limestone quarry in the
ways.	Mendip Hills. It employs over 100 people and contributes more than £15
 Technology can be used to reduce harmful emissions from power 	million towards the local economy each year.
stations and heavy industry.	The quarry is being restored to create wildlife lakes
• Desulphurisation can remove harmful gases such as sulphur dioxide	• 200 acres of the site have already been landscaped
and nitrogen oxide from power station chimneys.	Regular monitoring of noise, vibration, dust and water quality.
 Stricter environmental targets put in place for industry on water 	• Rail transport of quarried rock minimises the impact om local roads.
quality, air pollution and landscape damage.	
• Heavy fines imposed when an industrial pollution incident occurs.	North-South Divide
Quarrying can be made more sustainable with:	
 Strict controls on blasting and removal of dust from roads and 	What is the north-south divide?
landscaping	It refers to a real of imagined cultural and economic differences between
 Recycling is encouraged 	the south of England and the rest of the UK. In general the south enjoys high
• Companies are expected to restore of improve a quarry after it has	incomes and longer life expectancy., But the south also has higher house
been used.	process and more traffic congestion.

Why is there a north-south divide?

• During the Industrial Revolution, the UK's growth was centred on coalfields, heavy industries and engineering in northern England, Wales and Scotland.

• Since 1970s, many industries have declined, reducing prosperity in those areas.

• London and the South East developed rapidly due to a fast-growing service sector.



How can regional strategies address the north-south divide?

Local Enterprise Partnerships (LEPS)

LEPS are voluntary partnerships between local authorities and businesses. Their aim is to identify business needs and encourage companies to invest in order to boost the local economy and create jobs.

Lancashire LEP will: promote new businesses and create 50,000 new jobs by 2023. Improve transport with £20 million investment. Extend superfast broadband across 97% of the region. Create 6,000 high-skilled jobs in Enterprise Zones at Samlesbury and Warton.

Enterprise zones will encourage new businesses and jobs. The government supports businesses in Enterprise Zones by: providing business rate discount, ensuring the provision of superfast broadband, creating simpler planning regulations.

Northern Powerhouse linking northern cities – Liverpool, Leeds, Manchester, Sheffield, Hull and Newcastle to match, rival and compete with the economic power of London. It includes improving transport links e.g. High Speed 2 railway, Mersey Gateway bridge and the Trans-Pennine train route. As well as investing in science and innovation and to devolve the powers of government away from London's parliament to Northern cities. Cities would get more power and spending decision so that they can invest money directly where it is needed locally and also have elected mayors.

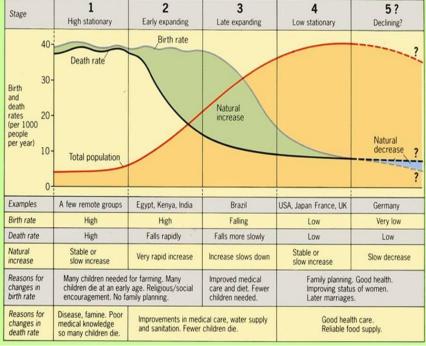




	UK Global Links	UK Transport Links				
	<u>Commonwealth</u>	Ports	A	ir	Roads	
Political	 These are 53 states across the world that were part of our colonial history Many expats live there (Brits who live abroad) The Queen is head of state in 16 of these countries promotes democracy, good governance, human rights and economic development as the UK trades with its previous colonies <u>EU</u> We joined the EU in 1979 and opted to leave in 2016. About 50% of exports and imports are to the EU It's now a bit confusing as we go through the Brexit process about what will happen to EU laws that we have. 	32 million passengers travel though UK ports. Ports employ 120,000 people. Liverpool2 project will double the ports capacity to over 1.5 million containers a year % create thousands of	global links, provideStrategy in1000s of jobs and100 new roboost economicschemes, 1growth. Heathrowmiles addemight have a 3rdmotorwaysrunway built tolanes addeexpand its capacity,motorwayshowever peoplethem smar		Road Investment Strategy includes: 100 new road schemes, 1300 new miles added to motorways. Extra lanes added to motorways to make them smart motorways.	
Trade	 49.6% of the UK's exports went to EU countries, and 50.4% went to non-EU countries such as the USA and China, The USA takes the most. A lot of trade is now finance and communications following deindustrialisation. 	jobs and boost the regional economy. Chang Growth; South Camb	pollution. ging rural lar	ndscapes in	the UK Duter Hebrides	
Transport	 More than 750,000 international flights depart from the UK annually to 400 airports in 114 countries Heathrow is the 4th busiest airport in the world Eurotunnel (Channel Tunnel) links our island to Europe as well as sea ferries. 	The population is incr to migration – migran Cambridge, other par UK and eastern Europ Social Effects: 80% ca ownership leads to in	easing due ts from ts of the e. r creased	The population has decline 50% since 1901, people me away due to limited employment opportunities Social Effects: school closu due to too few children. Ag		
Culture	 English Language has helped us set up strong links Students abroad can sit British exams UK TV productions have a global audience e.g. Doctor Who We are a culture of immigration leading to a unique and multicultural society 	traffic on narrow road developments on the villages can reduce co spirit. Economic effects: red agricultural employme	edges of people to support the mmunity Economic effects: so closing, small farms provide work for 2 c there has been an in		effects: services are mall farms can only york for 2 days a week, been an increase in	
Technolo	 90% of population has internet – very connected! We spend more online shopping than anywhere in Europe 18 million businesses run from home 	affordable housing, hi prices, pressure on se to growing populatior	out the infrastructure ort the scale of tourism			

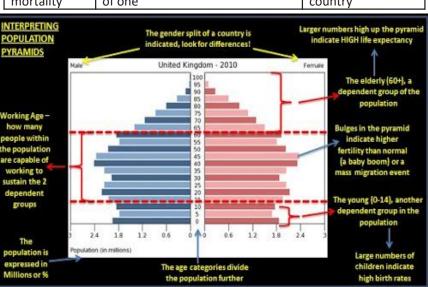


Development Gap and		Indicator	Description	High or low
Development dap and	A single measure of development can give a	GDP/GNI	Economic indicator. A measure of	High in a
Nigeria			a countries wealth	developed country
	false picture as it gives an	Birth rate	Number of births per 1000 per	Low in a developed
	average for the whole		year	country
The human development index (HDI)	country. Data could be	Death rate	Number of deaths per 1000 per	Low in a developed
is a better measure as it includes 3			year	country
development indicators:	informal economy is not	Adult literacy	% adults who can read and write	High in a
	often included			developed country
Life expectancy, GDP and adult literacy	orten included	Infant	% babies that die before the age	Low in a developed
		mortality	of one	country
Stage 1 2 3	4 5?	INTERPRETING POPULATION	The gender split of a country is	Larger numbers high up the pyramid



The demographic transition model is a guide as to how countries population can change over time. Their populations will go through a series of stages as their birth rates and death rates change. Developments in sanitation and medicine will begin to have an impact on

these two indicators.



Stage 1	Stage 2	Stage 3	Stage 4		
Expansive.	Expansive.	Stationary.	Contractive		
Canceve sides.	Straight sides.	Convex sides.	Convex sides.		
High birth rate.	Still high birth rate.	Declining birth rate.	Very low birth rate.		
High death rete.	Falling death rate.	Low death rate.	Low death rate.		
Short life expectancy.	Blightly longer life expectancy	Long life expectancy.	Longer life expectancy.		
Rapid fall in each upward age group due to high DR.	Fail in DR so more people living into middle age.	An increasing proportion of the population is in the 85+ age group.	Higher dependency ratio.		
Niger	Hall	Morocce	Australia		

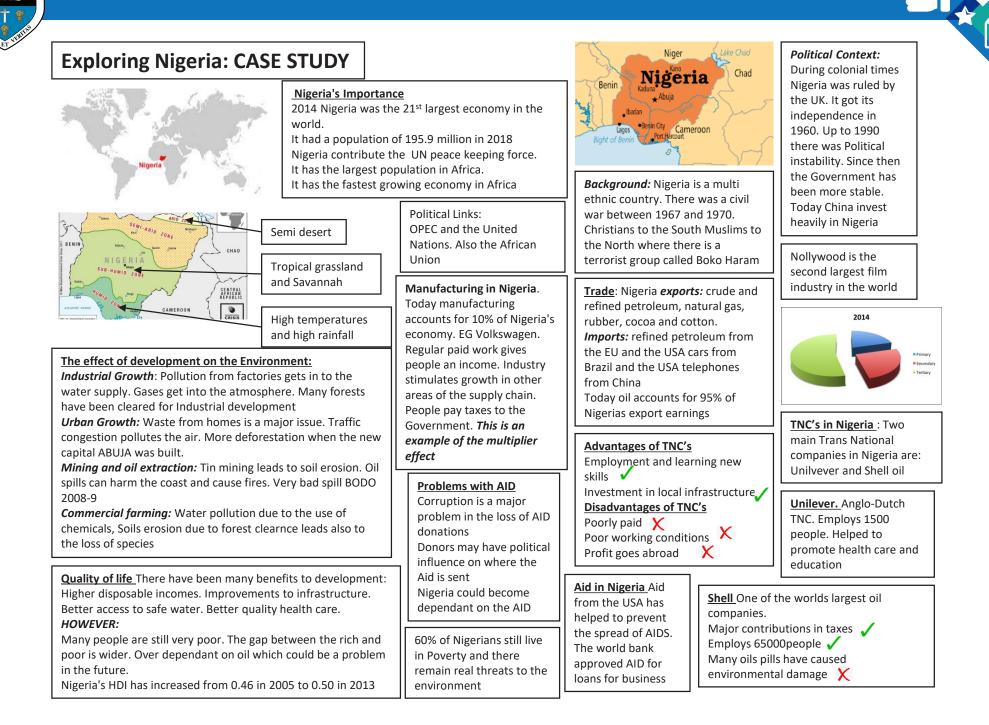


Causes of uneven development Physical: The nature of the landscape (deserts/mountains/tropical rainforests) can make development challenging. Extreme natural events (tropical storms/earthquakes) can lead to money spent on recovery not development. Some countries are landlocked making trade expensive and politically challenging. Historical: Many European nations had African countries all colonies. They took their resources and when these countries got	Disparities in wealth can affect health In rich countries there is money to pay for hospital and vaccines. In poorer countries there is less money for health care. In <i>LIC's</i> death is usually from infections diseases and in childbirth. In <i>HIC's</i> death is related to old age or lifestyle choices leading to cancers and heart problems.				Up to 2016 any one from the European Union was free to move to the UK. Most migrants work and pay tax. Migrants can put pressure on services like schools	
Independence it resulted in civil wars hampering development <i>Economic:</i> Many pooper nations trade primary goods(raw materials) these have a low value and the price fluctuates world trade is dominated by the wealthy countries. Processing which adds value takes place in richer countries.	Reducing the development gap:InvestmentCountries and TNC's invest money andexpertise in LIC's China have invested in arailway in Nigeria and a power station inZimbabwe. There are some benefits butmany think it's a type of exploitationbenefitting China		Reducing the development gap:Industrial DevelopmentCountries invest in manufacturinghousing is built and hospitalsroads and railways. Populationbecomes better educated andhealthier and industry canexpand. This is called thePOSITIVE MULTIPLIER EFFECT		Reducing the development gap: Tourism Countries with Tropical beaches etc. can attract tourists. Investment in the local area can benefit the local economy and people get jobs. However there can be damage to the natural	
Reducing the development gap: Aid Aid is when a government or non government organisation NGO gives help to another country in the form of money, emergency supplies, food or specialist skills. It can help by enabling countries to invest in roads, health care and education. Only Aid that is long term and freely given can really help to close the development gap.	Reducing the development gap: Intermediate technology. Intermediate technology is sustainable and appropriate to the needs, knowledge and wealth of the local people. EG: Adis Nifra In Ethiopia where as small dam was created to help with irrigation		Closing the develop Fair Trade Fair trade is an inte movement that set trade to ensure tha LICs get a fair deal. helps to fund local projects and all farr environmentally fri	pment gap: ernational is standards for at producers in Fair trade also community ming is done in	What is Free trade?.What is Free trade?.Freetrade is when countries cantrade with each otherwithout tariffs (taxes).has the potential to benefitthe worlds poorest.Howeversubsidies are a barrier to freetrade.trade.this is when richcountries give money to theirfarmers to help themproduce goods cheaply.Thiscan steal trade from Lic's.What is a trading group?Countries can jointogether to get higherprices for their goods.EGthe EU	
Jamaica is a small Caribbean Island chosen tourism as a way to close the development gap. There are positives and negatives to this. It has	Tourism is 24% of GDP in Jamaica Some money earned from tourism the HIC travel companies X Infrastructure Investment in roads and airports X Some parts of the island remain iso Quality of life. In the popular resolu- benefit. In the rural areas life remains very The environment X Conservation has created jobs X Mass tourism creates a lot of wast	blated X rts locals hard	Reducing the development gap : Micro finance. This involves small scale financial support. Itt helps people especially women to start up small businesses. The Garmeen bank is an example			

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Spanish

Spanish

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Los Problemas Globales

Los verbos			
Reciclar	To recycle		
Luchar	To fight		
Reusar	To reuse		
Aumentar	To increase		
Amenazar	To threaten		
Apagar (la luz)	To switch off (the light)		
Encender (las luces)	To switch on (the lights)		
Cerrar el grifo	To turn off the taps		
Tirar	To throw		
Dañar	To damage		
Echar la culpa	To blame		
Estropear	To spoil/ ruin		
Malgastar	To waste		
Separar la basura	T separate the rubbish		
Ensuciar	To dirty		
Limpiar	To clean		
Salvar	To save (lives)		
Ahorrar	To save (energy)		
Advertir	To warn		
Evitar (ba ñarse)	To avoid		
<u>Ducharse</u>	To shower		

Sustantivos - Problemas de hoy en día		Lo	adjetivos		
Me preocupa	I am worried about	El prblema más grave es	The most serious problem	Sano/a	Healthy
El paro/el desempleo	unemployment	El hambre	hunger	Malsano/a	Unhealthy
la pobreza	poverty	La riqueza	wealth	Peligroso/a	Dangerous
la desforestación	deforestation	La drogadicción	Drug addiction	Renovable	Renewable
La salud	health	La obesidad	obesity	Recargable	Rechargeable
La crisis económica	The economic crisis	El medio ambiente	The environment	Sucio/a	dirty
Los sin hogar/ los sin techos	The homeless	Los animales en peligro de extinción	Endangered species	Limpio/a	Clean
El calentamiento global	Global warming	La falta de viviendas	Lack of houses	Nocivo/a Dañino/a	Harmful
La capa de ozono	Ozone layer	El sobrepeso	Overweight	Asqueroso/a	Disgusting
Los gases de escape	Exhaust fumes	El tabaquismo	Smoking	Borracho/a	Drunk
La basura	Litter/rubbish	La Guerra	War	Muerto/a	Dead
La marea negra	Oil spill	La inmigración ilegal	Illegal Immigration	Los Verbos - S	oluciones - solutions
El atasco	Traffic jams	Los refugiados	The refugees	Cuidar del planeta	To look after the planet
La manifestación	Demonstration	El racismo	Racism	Comprar productos	To buy green products
La huelga	Strike	Las energias renovables	Renuable energies	verdes	Transitional
Los residuos	Waste	El botellón	Drinking in parks	Crear oportunidades de trabajo	To create work opportunities
Su	istantivos - Desastres	naturales – natural disas	ters	Constuir más casas	To build more homes
La selva	The jungle	Un incendio forestal	A forest fire	Reciclar la basura más	
Un terremoto	An earthquake	Un tornado	A tornado	amenudo	more often
Un malgasto de dinero	A waste of money	Las inundaciones	floods	Ser voluntario	To be a volunteer
Los Verbos - Soluciones - solutions		Ayudar en un comedo social	r To help in a soup kitchen		
Se debe / Se debería			Participar el comercio justo	To take part in fair trade	
Comprar / Trabajar en un	Comprar / Trabajar en una tienda benéfica To buy / To work in a charity shop		harity shop	Ahorrar agua	To save water
Donar dinero a las organizaciones beneficas To donate money to charities		Consumir menos	To consume less		

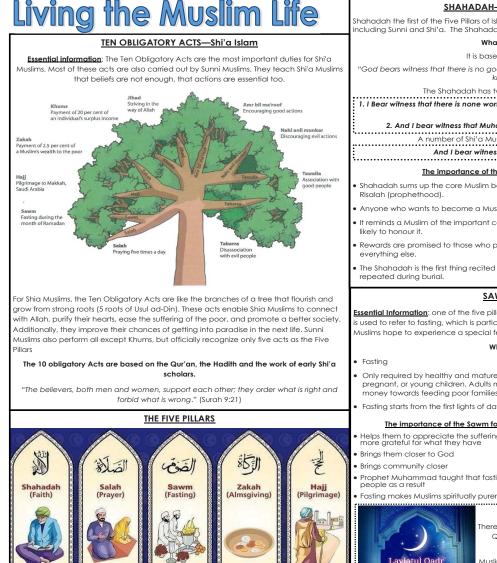
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En vez de

Religious Studies Ē



Religious Studies - Muslim



To give a share of

people in need and

upport the Muslin

nal wealth to hel

To perform a

image to Makk

at least once in a lifetime.

To give up food and

drink during light hours in the

onth of Ramadar

to pray five times

each day:

Late After

Before Sunrise

- Early Afterno

To believe in no God

but Allah and that

Muhammad is his

prophet and the

SHAHADAH—declaration of faith

Shahadah the first of the Five Pillars of Islam. It is the declaration of faith for all Muslims, including Sunni and Shi'a. The Shahadah sums up the core beliefs of Islam.

What is Shahadah?

It is based on the teaching:

"God bears witness that there is no god but Him, as do the angels and those who have knowledge.'

The Shahadah has two parts that all Muslims recite:

...... 1. I Bear witness that there is none worthy of worship except Allah alone and He has no partner.

2. And I bear witness that Muhammad is His servant and His Messenaer.

A number of Shi'a Muslims will also add a third phrase:

...........

And I bear witness that Ali is the friend of God.

The importance of the Shahadah for Muslims today:

Shahadah sums up the core Muslim beliefs, which are Tawhid (oneness of God) and

- Anyone who wants to become a Muslim is required to repeat the words.
- It reminds a Muslim of the important commitment they have made, making them more
- Rewards are promised to those who put Allah and the Prophet Muhammad before
- The Shahadah is the first thing recited into the ears of a newborn child, and is also

SAWM—fastina

Essential Information: one of the five pillars and obligatory acts. It means 'to abstain', and is used to refer to fasting, which is particularly important during the month of Ramadan. Muslims hope to experience a special feeling of closeness to Allah during Ramadan.

What is Sawm?

- Only required by healthy and mature Muslims (not required to fast if old, sick, travelling pregnant, or young children. Adults must make up missed days at another time, or pay money towards feeding poor families.)
- Fasting starts from the first lights of dawn and ends with sunset.

The importance of the Sawm for Muslims today:

- Helps them to appreciate the suffering og the poor and be
- Prophet Muhammad taught that fasting is pointless if Muslims do not become better

(the Night of Power) is

described in the Quran as,

"better than a thousand

months

(97:3)



here is a close link between Ramadan and Lavlat al-Qadr, which is when the Prophet Muhammad received his first revelation from Allah.

Muslims hope to experience their own special feeling of being close to Allah in the last days of Ramadan, as a sign of Allah's acceptance of their prayers. During the final nights of Ramadan, Muslims hold extra prayers.



Essential Information: Salah is the second Pillar of Islam for Sunni Muslims. and the first of the Ten Obligatory Acts for Shi'a Muslims. Salah means 'prayer and connects Muslims to Allah. Muslims must pray five times a day, mainly in the mosque or at home

What is Salah?

Salah is a physical, spiritual, and mental act of worship following prescribed words and actions

- Salah is offered at fixed times during the day.
- Salah is performed today in the same way it was performed by the Prophet Muhammad
- Salah aims to purify the mind and soul and helps Muslims develop a closeness to Allah.
- "keep up the prayer: prayer restrains outrageous and unacceptable
- behaviour." (Surah 29:45) ,..... "Celebrate the alory of your Lord and be among those who bow down to
- Him: worship your Lord until what is certain comes to you." (Surah 29:45)

Features of Salah:





 It is important to be clean for praver. Muslims must wash parts of the face and body including hands mouth, elbows and feet, Sunni Muslims wipe their whole head and wash their feet: Shi'a Muslims wipe the front of the head and the top of their feet

TIMINGS

 There are 5 daily prayers (fajr, zuhr, asr, maghrib, isha). Sunni

Muslims pray at these 5 set times: Shi'a Muslims combine some of the prayers and pray three times a day.

RECITATIONS

- Words recited during salah are taken mainly from the Qur'an and the Hadith. NOVEMENTS
- Each salah is made up of a sequence of actions and prayers known as rak'ah, including standing, kneeling, bowing and prostrating.

DIRECTION (QIBLAH)

Muslims face Maakah, there the Ka'bah is located

Salah in the lives of Muslims today

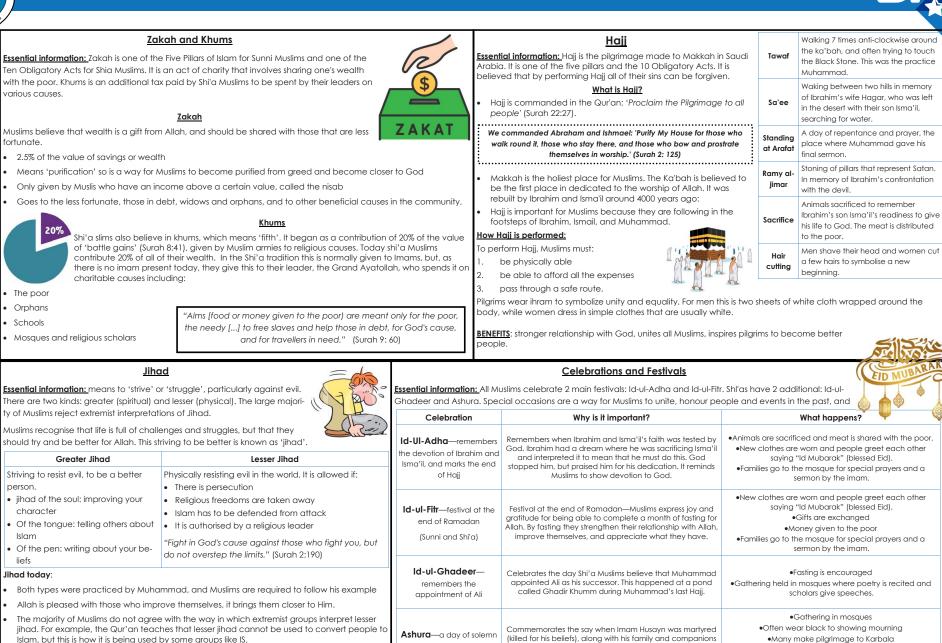
- Salah can be offered anywhere but Muslims aim to go to the mosque
- Muslims can also offer Salah at home, where a clean space may be allocated to pray with other relatives.
- The most important day of the week for Muslims is Friday. This is when the Jummah prayer takes place in mosques, the main part being a sermon by the imam (prayer leader). (Do not confuse this type of imam with, for example, the 12 Imams whom Twelver Shia Muslims believe have been chosen by Allah.)





Religious Studies - Muslim





remembrance

(Shi'a)

in Karbala, Iraq. This was because he refused to swear

allegiance to the oppressive and corrupt ruler Yazid. It is a

reminder to Muslims to stand up against injustice.

•Some perform acts of self flagellation to express grief

Many fast for two days; Ashura also coincides with the day

Musa and his followers were freed from Egypt. Muhammad

observed 2 days of fasting to remember this.

Lesser jihad is only permitted when certain conditions are met: for example when religious freedom is taken away. Religious freedom is protected by law in the UK and many other countries around the world. This makes jihad less relevant to Muslims today.

Food Technology

Hartford Church of England High School

Food Technology

4.3.6 Marking criteria: Task 2 Food preparation assessment

The 'Food preparation assessment' is assessed in five sections as shown below:

Section	Criteria	Maximum mark
A	Researching the task	6
В	Demonstrating technical skills	18
С	Planning for the final menu	8
D	Making the final dishes	30
E	Analyse and evaluate	8
Total		70

Section A: Researching the task (6 marks)

Students will research and analyse the: life stage/dietary group or culinary tradition related to the task.

Students should:

- · analyse the task by explaining the research requirements
- carry out relevant research and analysis related to the: life stage, dietary group or culinary tradition
- · identify a range of dishes eg by mind-mapping, or using annotated images
- · select and justify a range of technical skills to be used in the making of different dishes.

Mark	Description
5–6	 Relevant, concise and accurate research that shows discrimination when selecting and acquiring information to answer the task. Detailed understanding and analysis of the dietary group, life stage or culinary tradition. Selected a varied range of relevant dishes closely reflecting the research and chosen task.
3–4	 Relevant research carried out related to the task. Includes analysis of the dietary group, life stage or culinary tradition. Selected a range of relevant dishes reflecting the research and chosen task.
1–2	 Limited research carried out. Limited analysis of the dietary group, life stage or culinary tradition. Selected some trial dishes reflecting the research and chosen task.
0	Nothing worthy of credit.

Y11 GCSE Food KO HT3 NEA 2 Section A&B

> analysis of the chosen task shes outside of the single 3 hour inical skills. These dishes will be final menu. used to justify the choices of dishes for the How it's assessed: Section A & B Students will produce a concise portfolio including: period to demonstrate technical 3-4 dishes research and of making of evidence d evidence d

There is an expectation that candidates will not simply

same dishes.

re-make the

Section B: Demonstrating technical skills (18 marks)

Students will make 3-4 dishes to showcase their technical skills.

Students should:

- demonstrate technical skills in the preparation and cooking of three to four dishes. Refer to the <u>Food preparation skills</u> (page 9) section of the specification.
- select and use equipment for different technical skills in the preparation and cooking of selected dishes. Food safety principles should be demonstrated when storing, preparing and cooking.
- identify the technical skills within each dish. Photographic evidence will be needed to authenticate the technical skills.
- students will select three dishes to make which allow them to showcase their technical skills to make for their final menu. The final dishes will relate to the task and research and be dishes that have not been made previously.

For example, a student could make the following initial dishes to demonstrate technical skills:

1. Fish pie (technical skills shown: filleting fish, making a sauce, vegetable preparation, piping potato).

2. Beef lasagne (technical skills shown: pasta making, sauce making, vegetable preparation).

3. Traditional quiche (technical skills shown: shortcrust pastry, lining a flan ring).

4. Flavoured bread rolls (technical skills shown: bread making: kneading, shaping).

For the final menu, they could choose to produce:

1. Fish cakes with parsley sauce.

2. Cannelloni with homemade pasta and tomato ragu sauce.

3. Roasted vegetable flan with reduced fat ingredients to improve the nutritional properties.

Students will be rewarded for the use of a range of technical skills and the quality of outcomes achieved. The complexity and challenge of the dishes produced is linked to the complexity of the skills involved in producing the dish. To achieve the top bands, students must attempt complex skills. Selecting unchallenging skills prevents candidates from reaching the top mark band. As a guide, please see the examples in Food preparation assessment (page 41).

Mark	Description
15–18	 Competently executes a wide range of complex technical skills/processes(eg filleting fish or cutting vegetables with precision and accuracy eg julienne) to produce excellent quality dishes. Selects and uses appropriate equipment confidently and accurately. Extensive review of technical skills that leads to appropriate and justified final dishes.
10–14	 Executes technical skills/processes with accuracy, including some complex technical skills (eg filleting fish or cutting vegetables with precision and accuracy eg julienne) to produce very good quality dishes. Selects and uses appropriate equipment accurately. Very good review of technical skills leads to appropriate final dishes.
5–9	 Demonstrates technical skills/processes with some accuracy to produce good quality dishes. Selects and uses equipment with some accuracy. Good review of technical skills leads to appropriate final dishes.
1–4	 Basic technical skills/processes (eg slicing raw meat, peeling fruits and vegetables) used to produce adequate quality dishes. Difficulty in using some equipment. Some review of the technical skills leads to the final dishes.
0	Nothing worthy of credit.





COURSEWORK MARK CRITERIA – Refer to these to check you have it all completed			
	MB1: 1 to 3 marks	MB2: 4 to 6 marks	MB3: 7 to 10 marks
Use of IT Tools and Techniques 1a To initiate/plan	Limited use of tools and features results in potential of technology being under-utilised for the intended purpose. May use only one application but where more than one is being used they are used in isolation. [1 2 3]	Adequate use of tools and features results in potential of technology being utilised for the intended purpose. There are aspects of integration across two or more applications that are used. [4 5 6]	Effective use of tools and features results in potential of technology being fully utilised and clearly aligned to the intended purpose. Applications used are fully integrated. [7 8 9 10]
	MB1: 1 to 4 marks	MB2: 5 to 8 marks	MB3: 9 to 13 marks
Project Life Cycle Processes and Methods	Objectives and requirements are stated and there is a list of tasks. Consideration of dependencies can be assumed but there is no evidence of it. Success criteria are described.	Objectives and requirements are stated. There are logical dependencies shown for some tasks and sub-tasks although it is not presented as a critical path. There is an explanation behind the choice of success criteria.	Objectives and requirements are stated. A critical path is defined, with logical dependencies shown between key milestones and sub- tasks. There is a justification of the success criteria chosen.
2a Analysis of brief and planning approach	Constraints, risks, resources and milestones have been identified although some obvious ones have been missed and no links are made	Links between constraints, risks and resources have been identified although some links are missed or not made clear. Ways to mitigate are stated but the consequences of	Links between constraints, risks and resources are clearly defined and contingencies identified. Mitigation for the plan is explained. [9 10 11 12 13]
(Initiation/ planning)	between them. Although there are obvious gaps in planning activities, the plan is feasible. [1 2 3 4]	actions are not evidenced. [5 6 7 8]	

6



IT - Coursework support

COURSEWORK MARK CRITERIA – Refer to these to check you have it all completed

	MB1: 1 to 3 marks	MB2: 4 to 6 marks	MB3: 7 to 10 marks
Use of IT Tools and Techniques 1b To import and manipulate data (Execution 1)	Limited use of tools and features results in potential of technology being under-utilised for the intended purpose. May use only one application but where more than one is being used they are used in isolation. [1 2 3]	Adequate use of tools and features results in potential of technology being utilised for the intended purpose. There are aspects of integration across two or more applications that are used. [4 5 6]	Effective use of tools and features results in potential of technology being fully utilised and clearly aligned to the intended purpose. Applications used are fully integrated. [7 8 9 10]
	MB1: 1 to 4 marks	MB2: 5 to 8 marks	MB3: 9 to 13 marks
Project Life Cycle Processes and Methods 2b Importing and manipulating data (Execution 1)	The solution allows for data to be imported and manipulated. There will be inefficiencies and inaccuracies that will impact on the quality of the data and the objectives of the solution. The solution is open to security and legal risks. [1 2 3 4]	The solution allows for data to be imported and manipulated so that most of the requirements of the project can be met. There are some inefficiencies but they will not impact on meeting the requirements. The security and legal risks identified in the planning phase have been carried forward into the solution and evidenced although only one or two tools and techniques are used to preserve data integrity by protecting the data from malicious intent and/or unauthorised access. Some opportunities for safe, secure and responsible practices have been missed. [5 6 7 8]	The solution allows for data to be imported and manipulated efficiently and effectively so that all requirements of the project can be met. The security and legal risks identified in the planning phase have been carried forward into the solution and evidenced by a range of tools and techniques used to preserve data integrity by protecting the data from malicious intent and/or unauthorised access. This takes into account both how the data will be processed and how the information will be presented. [9 10 11 12 13]



IT - Coursework support

COURSEWORK MARK CRITERIA – Refer to these to check you have it all completed			
	MB1: 1 to 3 marks	MB2: 4 to 6 marks	MB3: 7 to 10 marks
Use of IT Tools and Techniques 1c To select and present integrated information (Execution 2)	Limited use of tools and features results in potential of technology being under-utilised for the intended purpose. May use only one application but where more than one is being used they are used in isolation.[1 2 3]	Adequate use of tools and features results in potential of technology being utilised for the intended purpose. There are aspects of integration across two or more applications that are used.[4 5 6]	Effective use of tools and features results in potential of technology being fully utilised and clearly aligned to the intended purpose. Applications used are fully integrated. [7 8 9 10]
	MB1: 1 to 4 marks	MB2: 5 to 8 marks	MB3: 9 to 13 marks
	The data created has only been used in a minimal way to support the information being presented.	The data is suitably used to support the information being presented which addresses some of the project requirements.	The data is suitably used to support the information being presented which addresses all of the project requirements.
Project Life Cycle Processes and Methods 2c Selecting and presenting information (Execution 2)	Nonetheless information has been communicated to address some of the requirements of the project. How the data has been structured will affect the clarity of the information communicated. The same method and the same distribution channel have been used to communicate information to all audiences. There will be no integration of the data with the selected communication method. [1 2 3 4]	Different methods have been selected for different audiences but what is used is passable for the type of information and its audience. There is some integration between processed data and the communication methods. The quality and quantity of information provided meets the requirements of each audience, but there will be some instances of misinformation. Only one distribution channel has been selected to communicate the information to all audiences. Security and legal actions taken are aligned with at least one distribution channel to minimise risks from cyber-security attacks. [5 6 7 8]	They have utilised suitable opportunities to integrate processed data with communication methods and each distribution channel to communicate the information to each intended audience. The quality, quantity and accessibility of the information provided clearly meets the requirements of each audience. Security and legal actions taken are directly aligned with the selected distribution channels to minimise risks from cyber-security attacks. [9 10 11 12 13]

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COURSEWORK MARK CRITERIA – Refer to these to check you have it all completed

	MB1: 1 to 3 marks	MB2: 4 to 7 marks	MB3: 8 to 11 marks
	There is an attempt to carry out an iterative review at the end of one or more phases of the project life cycle that states what went well and/or what did not go well, but without reasons for why that was.	Iterative reviews have been carried out for one or more phases of the project life cycle, showing consideration of both positive and negative aspects to inform the immediate next stage. The review will lack detail about what went well and what did not with reasons for why that was.	Iterative reviews have been carried out for all phases of the project life cycle, showing consideration of both positive and negative aspects of the current phase and any phases that preceded it to inform direction and decisions for all phases to follow. Resolutions and adaptations are
Evaluation 3a		Resolutions and adaptations are described and some are	explained and some are justified.
Iterative review and final evaluation (Evaluation)	Carries out a final evaluation at the end of the project that states what went well and/or what did not go well, there will be limited recognition of what changes were made, if any, during the project.	 explained although they are not justified. Carries out a final evaluation against their success criteria, identifying if the objectives were met. Evidence of a reflection on the planning phase outputs, project objectives and success criteria. Identifies any gaps or issues that 	Carries out a final evaluation that measures the success of the project against their success criteria. Evaluation includes an analysis of the original planning documentation compared to the final product and the effects of constraints on the project such as processes and
	[1 2 3]	emerged in a later phase and/or those that they would like to consider if they were repeating the project (lessons learnt). [4 5 6 7]	resources are evaluated and lessons learnt recorded. [8 9 10 11]

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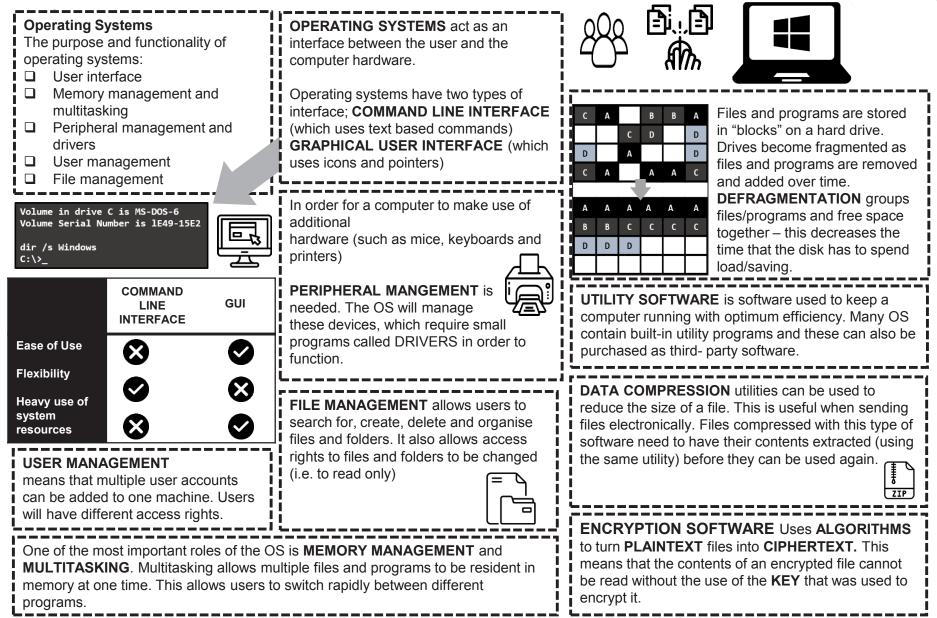
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Computer Science

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Computer Science - Systems Software and Security



Creative Media



LO1: Understand the purpose and properties of digital graphics				
MB1: 1–3 marks	MB2: 4–6 marks	MB3: 7–9 marks		
Produces a summary of how and why digital graphics are used, demonstrating a limited understanding of the purpose of digital graphics.	Produces a summary of how and why digital graphics are used, demonstrating a sound understanding of the purpose of digital graphics.	Produces a summary of how and why digital graphics are used, demonstrating a thorough understanding of the purpose of digital graphics.		
Identifies a limited range of file types and formats, only some of which are appropriate to digital graphics.	Identifies a range of file types and formats, most of which are appropriate to digital graphics.	Identifies a wide range of file types and formats, which are consistently appropriate to digital graphics.		
MB1: 1–4 marks	MB2: 5–7 marks	MB3: 8–9 marks		
Demonstrates a limited understanding of the connection between the properties of digital graphics and their suitability for use.	Demonstrates a sound understanding of the connection between the properties of digital graphics and their suitability for use.	Demonstrates a thorough understanding of the connection between the properties of digital graphics and their suitability for use.		
Demonstrates a limited understanding of how different purposes and audiences influence the design and layout of digital graphics.	Demonstrates a sound understanding of how different purposes and audiences influence the design and layout of digital graphics.	Demonstrates a thorough understanding of how different purposes and audiences influence the design and layout of digital graphics.		

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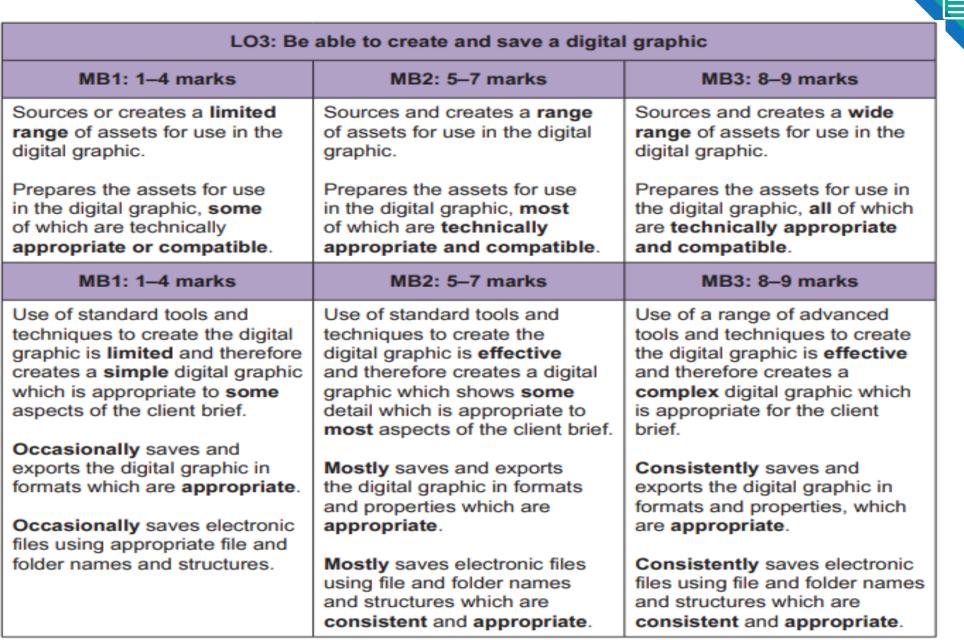


Hartford Church of England High School



LO2: Be able to plan the creation of a digital graphic			
MB1: 1–2 marks	MB2: 3–4 marks	MB3: 5–6 marks	
 Produces an interpretation from the client brief which meets few of the client requirements. Produces a limited identification of target audience requirements. Draws upon limited skills/ knowledge/understanding from other units in the specification. 	Produces an interpretation from the client brief which meets most of the client requirements. Produces a clear identification of target audience requirements. Draws upon some relevant skills/knowledge/understanding from other units in the specification.	 Produces an interpretation from the client brief which fully meets the client requirements. Produces a clear and detailed identification of target audience requirements. Clearly draws upon relevant skills/knowledge/understanding from other units in the specification. 	
MB1: 1–5 marks	MB2: 6–9 marks	MB3: 10–12 marks	
Produces a work plan for the creation of the digital graphic, which has some capability in producing the intended final product.	Produces a work plan for the creation of the digital graphic, which is mostly capable of producing the intended final product.	Produces a clear and detailed work plan for the creation of the digital graphic, which is fully capable of producing the intended final product.	
Produces a simple visualisation diagram for the intended final product.	Produces a sound visualisation diagram for the intended final product.	Produces a clear and detailed visualisation diagram for the intended final product.	
Identifies a few assets needed to create a digital graphic, demonstrating a limited understanding of their potential use.	Identifies many assets needed to create a digital graphic, demonstrating a sound understanding of their potential use.	Identifies most assets needed to create a digital graphic, demonstrating a thorough understanding of their potential use.	
Identifies a few of the resources needed to create a digital graphic, demonstrating a limited understanding of their purpose.	Identifies many of the resources needed to create a digital graphic, demonstrating a sound understanding of their purpose.	Identifies most of the resources needed to create a digital graphic, demonstrating a thorough understanding of their purpose.	
Demonstrates a limited understanding of legislation in relation to the use of images in digital graphics.	Demonstrates a sound understanding of legislation in relation to the use of images in digital graphics.	Demonstrates a thorough understanding of legislation in relation to the use of images in digital graphics.	







LO4: Be able to review the digital graphic			
MB1: 1–2 marks	MB2: 3–4 marks	MB3: 5–6 marks	
Produces a review of the finished graphic which demonstrates a limited understanding of what worked and what did not, making few references back to the brief.	Produces a review of the finished graphic which demonstrates a reasonable understanding of what worked and what did not, mostly referencing back to the brief.	Produces a review of the finished graphic which demonstrates a thorough understanding of what worked and what did not, fully referencing back to the brief.	
Review identifies areas for improvement and further development of the final digital graphic, some of which are appropriate and sometimes explained .	Review identifies areas for improvement and further development of the final digital graphic, which are mostly appropriate and explained well .	Review identifies areas for improvement and further development of the final digital graphic, which are wholly appropriate and justified.	

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Printmaking

Art



During Half term 3 you will be extending your knowledge of media through the development of a final print.

Printmaking is the process of creating artworks by printing, normally on paper, but also on fabric, wood, metal, and other surfaces. "Traditional printmaking" normally covers only the process of creating prints using a hand processed technique.

Design and Media AO2

You will plan and prepare a reduction print sample to understand the process. You will then plan your own 3-4 colour reduction print based on your personal project.

Key Question:

How have printmaking techniques evolved in Art? Compare Scmidt Rottluff with the work of Andy Warhol and more modern digital processes.



Friegds San Marca #1

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Artist Research AO1

Explore the work of artists who have produced printmaking. Creatively present your research and annotations in your sketchbook. Artists to consider Karl Scmidt Rottluff Picasso Angie Lewin Hokusai Kathe Kollwitz Irving Amen Janice Earley

Art styles to consider German Expressionism **Traditional Japanese Art** Pop Art

Kev vocabularv **Reduction, Register, Burnish,** Layering, Overlap, Scratch, indent, Drypoint, Engrave, Etch, process, press.



Design Technology





4.4.4.3 Section C: Generating design ideas (20 marks)

Students should explore a range of possible ideas linking to the contextual challenge selected. These design ideas should demonstrate flair and originality and students are encouraged to take risks with their designs. Students may wish to use a variety of techniques to communicate.

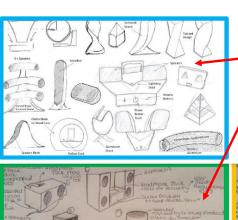
Students will not be awarded for the quantity of design ideas but how well their ideas address the contextual challenge selected. Students are encouraged to be imaginative in their approach by experimenting with different ideas and possibilities that avoid design fixation.

In the highest band students are expected to show some innovation by generating ideas that are different to the work of the majority of their peers or demonstrate new ways of improving existing solutions.

Mark band	Description
16–20	Imaginative, creative and innovative ideas have been generated, fully avoiding design fixation and with full consideration of functionality, aesthetics and innovation.
	Ideas have been generated, that take full account of on-going investigation that is both fully relevant and focused.
	Extensive experimentation and excellent communication is evident, using a wide range of techniques.
	Imaginative use of different design strategies for different purposes and as part of a fully integrated approach to designing.
11–15	Imaginative and creative ideas have been generated which mainly avoid design fixation and have adequate consideration of functionality, aesthetics and innovation.
	Ideas have been generated, taking into account on-going investigation that is relevant and focused.
	Good experimentation and communication is evident, using a wide range of techniques.
	Effective use of different design strategies for different purposes as an approach to designing.
6–10	Imaginative ideas have been generated with a degree of design fixation and having some consideration of functionality, aesthetics and innovation.
	Ideas have been generated that take some account of investigations carried out but may lack relevance and/or focus.
	Experimentation is sufficient to generate a range of ideas. Communication is evident, using a range of techniques.
	Different design strategies explored but only at a superficial level with the

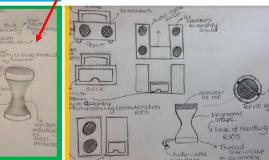
Developing Ideas

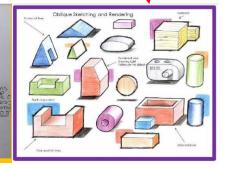
Get feedback from others to help you select your best 4 or five ideas. _____ Draw these using isometric or perspective. Add tone shade and texture Annotate

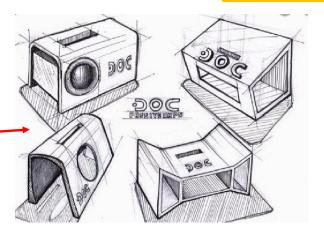


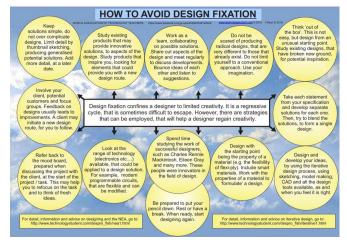
Initial Ideas

Quick 2D & 3D freehand sketches (aim for 7-10) Use colourwash rather than fully rendered Label & Annotate to explain your ideas IDEAS must be imaginative, creative and innevative









Engineering Design

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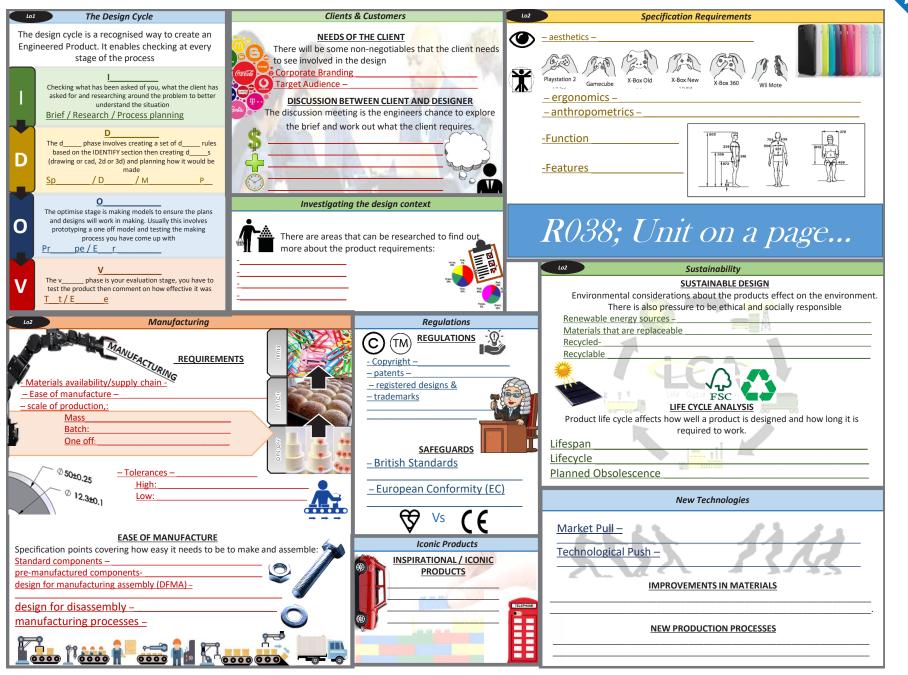


Engineering Design - R038





Engineering Design - R038



Child Development



Child Develoment Tech Award



LAA – Investigate individual circumstances that may impact on learning and development

Component 3: Supporting children to play, learn and develop

Physical circumstances that may impact learning/development		Communication/language circumstances that may impact learning/development	Disruptive behaviour Types of disruptive behavior	
Sensory impairment If a child has a sensory impairment this means that they have difficulty in seeing (visual impairment) or hearing (hearing impairment).	Restricted gross motor skills A child is unable to control the large muscles in their bodies as well as other children of the same age	English as an additional language When English is not the first language of a child and the first language is the language to which the child has been exposed to since birth	- Challenging the authority of adults - Trying to get attention - Temper tantrums - Hurting others - Breaking toys	
Restricted fine motor skills	Delayed gross motor skills Social and emotional circumstances		A child experiencing transition	
A child is unable to control the small muscles in their hands and	The large movements of a child's	that may impact learning/development	Starting school	
fingers as well as other children of the same age	body are not progressing as quickly as other children of the same age.	Limited interaction with adults? Poor awareness of social norms and	Moving between educational providers Birth of a new sibling Death of a family member	
Delayed fine motor skills		values?	Moving house	
The small movements of a child's hands and fingers are not			Individual circumstances	
progressing as quickly as other		Difficulty forming bonds Limited experience of	What does not meeting expected milestones mean?	
children of the same age		with adults ? play?	What does not initiating play mean?	
Intellectual circumstances that may impact learning/development			What does unable to access learning activities at varying	
		Friendships	levels mean?	
Poor concentration levels	Delayed literacy skills		What does unable to grasp small objects mean?	
When children find it difficult to focus on what	When a child's reading and writing skills are not progressing as quickly	What is expected across the age ranges? 0-18 months: Children will look at other children and	What does difficulty understanding the rules of play	
they are doing and/or	as other children of the same age.	play along side them	mean?	
		 18 months- 3 years: Children usually start to form friendships at the end of this period 3-5 years: Children have usually developed one or two close friendships and may have a best friend 	What does difficulty communicating preferences and choices mean?	





Component 3: Supporting children to play, learn and develop

Physical circumstance that may impact learning and development

Restricted gross motor skills

A child is unable to control the large muscles in their bodies as well as other of the same age **Restricted fine motor skills**

A child is unable to control the small muscles in their hands and fingers as well as other children of the same age

Delayed gross motor skills

The large movements of a child's body are not progressing as quickly as other children of the same age

Delayed fine motor skills

The small movements of a child's hands and fingers are not progressing as quickly as other children of the same age

Sensory impairment

If a child has a sensory impairment this means that they have difficulty in seeing (hearing impairment) or hearing (hearing impairment).

Q How could visual impairment affect learning?

Intellectual circumstances that may impact development

Poor concentration levels

Some children have a short attention span and find it difficult to focus on what they are doing. This can lead to disruptive behaviour.

Delayed Literacy skills

When a child's reading and writing skills are not progressing as quickly as other children of the same age.

Q Can you remember when you learnt to ready and write? How old were you?



Social and emotional circumstances that may impact development

Limited interaction with adults Not much communication and contact with adults.

Bond

An emotional ties between two people

Social norms and values

Attitudes and behaviours that are considered normal in society

Negative role model Someone who does not set a good example

Q How does interaction with adults support children's learning and development?

What are individual circumstances?

Give an example of a child that may have individual circumstances?

How are children with individual circumstances supported in our school to help them to learn and develop? Communication and language circumstances that may impact learning

English as an additional language

When English is not the first language of the child and the first language is the language to which the child has been exposed to from birth.

Q Give a benefit of being a child learning English as an additional language

Friendships – what are they?

Disruptive behaviour – what is this?

What is a transition?

What is an expected milestone?

What are the different areas of development







Learning Aim A: Develop your music performance skills and review your own practice Learning Aim B: Use your music performance skills within rehearsal and performance

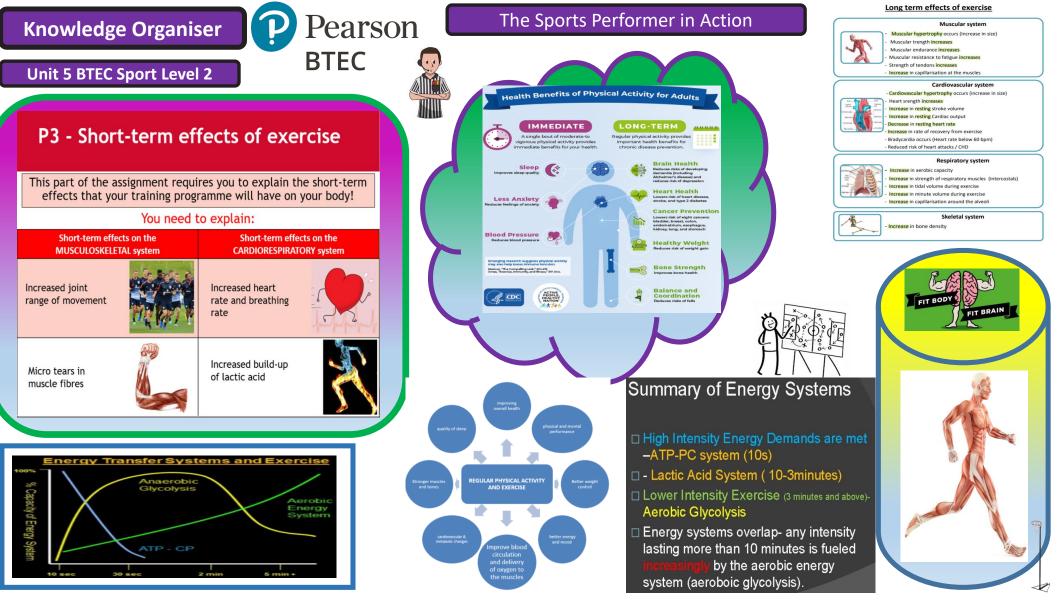
	Areas of focus
Finger positions - What are they? Are they accurate? How can you improve?	Accuracy (rhythmic/melodic) The right notes, the right timing and the right
Accuracy – Are there inaccuracies in pitch, finger positions, articulation, tuning. What is the accurate version? How can you improve?	technique.Awareness of/Following an accompaniment Ensuring that you are aware ofthe importance of the accompaniment to the melody and how the two need
Tempo – What is the tempo? Is the tempo consistent. Could the tempo get faster? How can you improve?	to work together to make an effective performance.
Fluency – Are there any hesitations? How can they be improved?	Breath control Using your diaphragm to fill your lungs with air and then
Time management Was your time used productively?	gradually release it.
Resonance Mainly on string instruments; are the strings muted or do they resonate? How can you improve?	Confidence The feeling or belief that one can have faith in or rely on someone or something.
	Dynamics Rehearsing dynamic contrast
Method of Rehearsal	Emphasis Special importance, value, or prominence given to something. This
Assessment Guided Rehearsal whether it is teacher, peer or self, listen to	could be on a note or on a word.
constructive feedback and act upon it.	Expression The art of playing or singing with a personal response to the music. At a practical level, this means making appropriate use of
Chunking taking a small section and rehearsing it	dynamics, phrasing, timbre and articulation to bring the music to life.
Independent practice Working on your own to learn your musical part.	Intonation Accuracy of pitch in playing or singing.
Group rehearsal Working with a friend/peer using different rehearsal techniques	Learning repertoire The process of learning different styles and genres of music to develop your performance skills.
Modelling watching an educational video clip and learning from their	Musical interaction/Stage presence Ensuring you communicate with your
technique	audience by engaging with them in your performance, as well as other
Repetition repeating until accurate	musicians you are playing with.
Slow it down slow the tempo, when confident, build up speed to original tempo	Phrasing The manner in which a musician shapes a sequence of notes in a passage of music, in order to express an emotion or impression.
Teaching Notes Education is key. Once you have had a teacher guide you	Projection A great tool in assisting in bringing greater dynamics to the
write everything down to remind you of lesson content.	performance. Being able to successfully increase and decrease volume
	whilst performing can help enhance your performance and highlight the
	emotion in the song
	Technical control (instrument specific) Ensuring you have the correct
	technique to enable you to perform accurately.





Btec Sport











Getting started with your choreography	Task 1: Ideas Log		
Stage 1		Organisation T	op Tips
What is the theme? Stimulus? What ideas spring to mind straight away? How many are in your group? What advantages do you think this will have (to compliment the theme, solos, duos, trios, group sections). Have a team meeting to discuss the stimulus and explore ideas - Think about what research you would l		Listen to a variety of music dynamics. You will need co to make your dance interes	ntrast and a climax
Stage 2		Research the stimulus! Cre of your ideas	ate a mind map full
Things to think about as you start getting ideas together:		Write a story with a clear s	
Will you use props? If so how will you use them and how do they relate to the stimulus?		end. Where is the climax (the most exciting part?)	
What music have you thought of using? How will you use it and how does it relate to the stimulus?		Keep a log of your choreog	raphy journey
What style or styles of dance would you like to use? How would this relate to the stimulus?			
How many sections would you like the piece to have and why?		Plan your rehearsal schedules and rehearsals	
Have you thought about WHO you are making the piece for? Who is your Target Audience? What has inf	luenced this decision?	Keep a record of your strer	
Stage 3		Group wor	k top tips
MEETINGS and DISCUSSIONS in your group.		Set clear goals	Avoid negativ
When did you meet? (what day, before, during or after the rehearsal).		oct ofcar Board	Avoid fregutiv
What points or items did you discuss?		Ensure everyone contributes	
How well did you get across ideas in a team?			
What may have changed because of the meeting/discussion?		What is a target audience?	
Stage 4		Finding a target audience n	
Setting choreographic tasks or creating your movements.		kind of people are most likely to be interested in your service or product. A particular group at wh	
What THREE ideas related to the stimulus would you all as a group like to try out first?		a product such as a film or	- · ·





Getting started with your choreography Task 1: Ideas Log

Stage 5 – Ideas log questions

What is the concept behind your performance? What is the story or idea?

If you were to try and 'sell' your idea to a theatre what would the title of the piece be? Also what would the short description be? Or maybe you have a 'tag line'.

How do these ideas above relate to the stimulus on the 'Brief'?

What were your initial ideas?

How did you explore these ideas in your group?

Did you look at any other pieces of art or dance that related to the theme?

How did you use this ideas, or movements or words?

How did these develop in the first rehearsals?

How did you get your ideas across to your group? Meetings etc.

How well are your group working so far? Are you putting ideas forward? Or making suggestions? What has been effective?

Have you created a rehearsal schedule? Where and when?

Did you plan a meeting schedule? Where and when?

What resources do you need to make your piece? Research? Music? Props? Costume? Other sound? Other works or art (paintings/poems/dance works).

How has these other works influenced your piece? Is it the style? Structure? Theme?

What style of styles of dance or dance theatre are you using?

Give a quick description of a moment in the piece so far?

Who is your target audience?

How did you get to this audience from the stimulus? Or group meetings?

How are you managing these? Have a quick discussion with your teacher and note down answers on the back of this page.

Use Inspiration from our three choreographers

BINTLEY

- His work is guided by a strong sense of morality that results from his own spiritual belief.
- Strong sense of theatre and explores a theme
- Tackles contentious issues
- Often finds inspiration in music
- Blends classical and contemporary techniques

BRUCE

- Pieces have emotional or dramatic content, make an impact on the audience
- He said ballets are not basically about movement but about ideas

Shown awareness, idealism and sensitivity in dance

- Created works directly concerned with social, political and ecological issues.
- Range of stimuli extensive literature, art and music
- Combines all aspects of his training classical ballet, Graham-based technique and popular dance forms
 Blends classical and contemporary techniques Folk dance in "Ghost Dances"
 Tap in "Swansong"



FAGAN

- Style is a mix of ballet and modern dance, spiced up with his Afro-Caribbean roots.

- He developed the Fagan Technique

on with your teacher and note down - - a unique and evolving vocabulary, which fuses the weight of modern dance, the vitality of Afro-Caribbean movement, and the speed and precision of ballet with the risk-taking experimentation of post modernism.







Getting started with your choreography		Task 1: Ideas Log	
Key Term	Definition	Explanation	How to write about this in the exam
Concept of Performance	The key ideas for the piece this could incorporate the style and purpose of the piece	What is the piece about and how is this going to be portrayed to the target audience	You will need to explain what the piece is about and how this specifically relates to the brief set and the target audience. It is important the you DO NOT give a lengthy description of the narrative of the piece.
Style of Performance Purpose	The style of performance can include the dance style but also the presentation and structure and form	This could include Jazz, Ballet, Contemporary, Musical Theatre but may also be narrative (linear/non-linear), post- modern, theatrical, abstract, rondo, episodic etc	You will need to explain what Dance style and performance you have chosen and why this is relevant to the brief and the target audience. You will also want to identify the structure and form of the piece and why this is relevant to the brief.
Purpose of the performance	Why the piece is being created	The purpose will fall into 1 or more of the following categories to educate, to inform, to entertain, to celebrate, to challenge viewpoints, to provoke, to raise awareness	You will need to identify the purpose of the performance piece and how this purpose is relevant and appropriate to the brief set. You will also want to explain how you are making the purpose of the piece clear to the audience – what features are you going to include to do this.
Target Audience	The people you are creating your performance piece for	The target audience maybe defined by their age, interest or groups they fit into	You will need to identify a specific target audience (be specific) that are appropriate to the brief set. You will need to explain why they are appropriate to the brief and how you have tailored your ideas for the piece to this audience's needs





Getting started with your choreography		Task 1: Idea		
Key Term	Definition	Explanation	How to	o write about this in the exam
Performance Space	The performance space maybe a stage space e.g. proscenium arch, trust, in the round, traverse, studio theatre, site specific	The performance space maybe a stage space e.g. proscenium arch, trust, in the round, traverse, studio theatre, site specific	location an your choic audience.	eed to identify your intended performance nd type of performance space and explain how se is relevant to the brief set and the target You will also want to explain why the choice is to the selected style of the performance
Planning and Managing resources	This could include anything you need to create or perform your piece such as music, projections, props, rehearsal space, costume, rehearsal schedule	This could include anything you need to create or perform your piece such as music, projections, props, rehearsal space, costume, rehearsal schedule	needed/w how you ii music you bringing it	eed to explain what resources you require, why why relevant to the brief and target audience and intend to manage their use. For example, the are going to use, who is in charge of editing it, to rehearsals, having it ready for performance. sources should be considered in relation to the n
Exploration of ideas	This could include mind mapping, researching, structured improvisation such as picture postcards (Kate Prince), top and tail (Matthew Bourne), story boarding, character exploration You	This could include mind mapping, researching, structured improvisation such as picture postcards (Kate Prince), top and tail (Matthew Bourne), story boarding, character exploration	explore yo these con how you e the mover	eed to explain how to you have worked to our ideas your initial response, research and how nected to the brief set. You will want to explain explored these ideas practically in the studio and ment ideas these generated and how these I to the brief. Try to identify your specific role e group

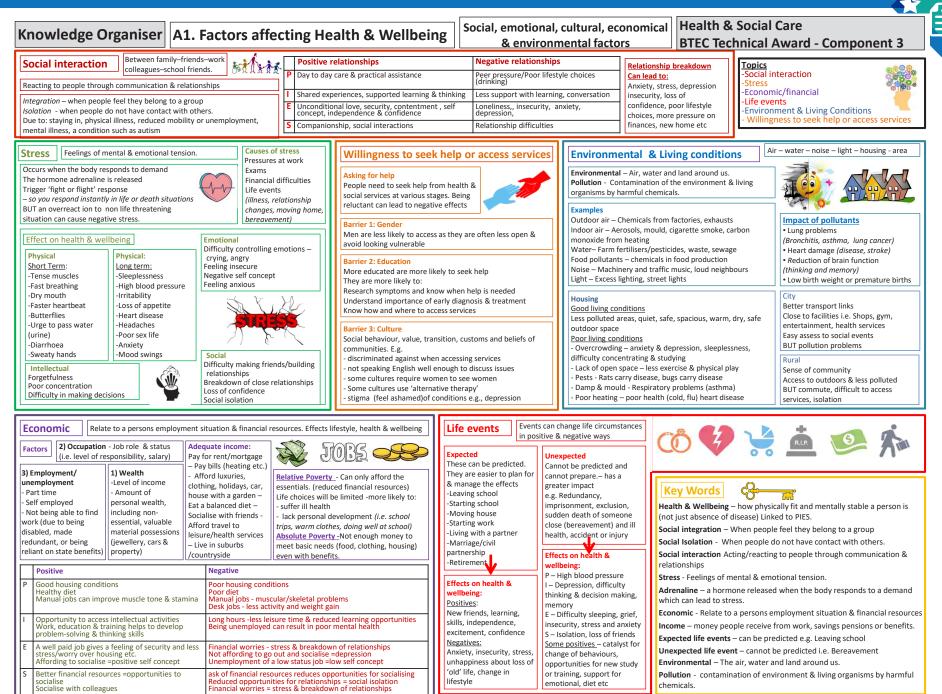
Influence from Professional practitioner; You may want to look at professional work that has a similar theme/topic/narrative to your own work and use this to inspire you. You could be improved by the movement material, the set, the costumes, the use of props, the music choice, the relationship between dancers. In your written work you will need to talk about how this work influenced and informed your own creative ideas and why this was relevant to your piece and the brief set

You may also want to look at the creative processes used by choreographers e.g. merce Cunningham chance dance

Health & Social Care



BTEC Heath and Social Care - Component 3





BTEC Heath and Social Care - Component 3

Knowledge Organiser	A1. Factors	affecting Health	& Wellbeing	Physic	al & Lifestyle	factor	S I I	Iealth & Social Care BTEC Technical Award -	Component 3
Health & wellbeing Not just the absence of disease but a ho Physical (healthy body, regular exercise, Intellectual (keeping the brain healthy, o Emotional (feeling safe & secure, expres Social (friendships, relationships with fri	listic attitude/the whol a healthy diet, sleep, s concentrate, learn new s emotions, deal with r	helter & warmth, personal hyg knowledge/skills, communicat	e & solve problems)		Diet - lifestyl	le choice. Die	t = The bala	s, quality, effects of poor diet ance of foods a person eats (diet does	youacoes, bread, rice, pasta, whole grains)
Genetic inheritance What you need to know: - inherited conditions - predispositions Genetic inheritance is a physical factor t positive and negative effects Genes are inherited from both birth par	etic inheritance		Ill Health Ill health -a physical factor which can have a negative effect on health & wellbeing What you need to know: - Effects on a persons PIES, difference between acute & chronic Chronic		Salt – raises blood pressure –> heart disease Saturated fat – raises blood cholesterol –> heart disease *found in animal fats such as meat, butter Sugar – rots teeth, high in kcals (energy) -> tooth decay & weight gain			Dairy	
Inherited characteristics - height, eye colour, hair colour		Comes on more slowly,	Address the negative i		Section	Nutrient		Needed for	
- This can effect self image (how you s	ee yourself) & self	lasts a long time Usually treated, not cured	person and try to cont symptoms (i.e. use of i	nedication,	Starchy	Carbohydra (& fibre if wh		Carbohydrates - Provides energy	constinution
esteem, (how you feel about yourself) Inherited conditions Different versions of genes are called alleles. Some alleles can be faulty and pass on conditions Dominant condition (one parent passes faulty allele on) i.e. Huntington's – involuntary movements and loss of intellectual ability Recessive condition (both parents pass faulty allele on) i.e. Cystic fibrosis – sticky mucus on the lungs		i.e. diabetes, arthritis, asthma, heart disease counselling, schooling in hospital, support groups) Effect on PIES – P – growth rates, restricted movements I – disrupted learning, difficulties in thinking./problem solving, memory problems E – negative self-concept, stress S – isolation, loss of independence, difficulties forming relationships Acute Starts quickly, lasts for a short period of time. Usually cured i.e. bacterial/viral infection, flu, broken bones, pneumonia			Fruit & vegetables Vitam Fibre Meat, fish, eggs, beans Prote	Vitamins Fibre Protein		Fibre – Digestive system/prevents constipation Vitamins - Keep the body healthy Fibre – Digestive system/prevents constipation Growth and repair of cells and muscles	
				Dairy Calcium Strong bones and teeth Oils Unsaturated fats Reduces cholesterol, Keeps the body warm, Protects organs Other points: Water is important to stay hydrated Control calorie intake to manage weight. More energy in (food) than expended in exercise causes weight gain Less energy in (food) than expended in exercise causes weight loss					
		Alcohol - a lifestyle choice (mouth, liver, breat Alcohol - a lifestyle choice I – difficulty in deci Men & women should drink <14 units/week		(alcoholism) damage to organs east), infertility, weight gain cision making, depression, brain damage ent leading to risky behaviour reakdown, domestic violence of disease (cancer, stroke, isease and others) s to irritation, distraction & ole to smoke. Increase chance of ession. cept. May worry about negative		eing oor personal hygiene eading disease pad breath & tooth decay d poisoning, sore throat, ince of job cept, bullied			
						stable a person is (not just ition based on genes t cured. i.e. asthma curable i.e. cold providing adequate ering substance that affects s)			





1. Health & wellbeing

- Explain what is meant by a holistic approach to health and wellbeing
- Identify physical aspects of health
- Identify social & emotional aspects of wellbeing
- Identify any physical and lifestyle factors that could have a effect on health and wellbeing (positive and negative)



2. Genetic inheritance

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- Research real-life examples of predisposition to certain conditions. What are the positive and negative effects on their health and wellbeing? i.e. Women who have a mastectomy due to having a predisposition to breast cancer.
- Research Huntington's disease and how it affects health and wellbeing (PIES!)
- Gemma, aged 14, has the inherited condition cystic fibrosis. She has regular physiotherapy to help clear her lungs of mucus and frequently spends time in the hospital. Describe the possible effects on her wellbeing (PIES) – consider not just physical effects but the impacts of missing school and how she feels about herself





3. Ill health

 What is arthritis? Is it acute or chronic? Give one negative effect of arthritis in each category of health and wellbeing (PIES)

ACTIVITY

Andrew is 45 years old. He has Huntington's disease, a degenerative disorder of the central nervous system. It causes jerky and uncontrollable movements of the limbs. It will eventually affect his motor skills and speech and lead to loss of physical movement.

1 Which of Andrew's needs is currently met by the job he does in an office?

2 How could his working conditions, such as the layout of his office, be adapted so he can go on working for longer?

Now try this

Kareem, aged 27, is married with two children. He works as a motorcycle courier. He enjoys playing cricket for a local team, but recently lost a leg in an accident.

Explain two effects that Kareem's injury could have on his emotional wellbeing.

Although the injuries will affect Kareem's physical mobility, the question asks about his emotional wellbeing – how the accident makes him feel.





4. Balanced diet

- Produce a days diet plan of a healthy, balanced diet containing all nutrients, in line with the Eatwell Guide
- Explain two risks to health of not following government guidance on eating sufficient fruit and vegetables
- Bob is obese and eats more calories than the recommended daily amount. What changes should Bob make to his diet?





5. Physical activity

- Suggest possible exercise for each life stage.
 i.e. Baby bouncer and rattle for infancy development of fine and gross motor skills
- Research a moderate and a vigorous exercise and what the benefits are.
- Give one example to show how lack of exercise might affect health and wellbeing (1 for P, 1 for I, 1 for E, 1 for S)





6. Substance abuse

• Produce a table of different substances:

Substance	Examples	Short term effects	Long term effects
Alcohol			
Nicotine			
Illegal drugs			
Now try this What recommendations would you give to • Sean doesn't drink alcohol in the weel 14 units during the weekend. • Grace is pregnant so she is cutting her than 14 units per week. • Zara, aged 62, has a small glass of wine evenings a week.	k and drinks no more than r alcohol intake to less	through the government nce again to remind elf of safer levels of alcohol umption for different people.	
Now try this Liam, 16, has recently started taking stim peer pressure. Give two possible effects on his emotional	nulant drugs as a result of the in relation	about how drug use affect his behaviour and npact this has on his ionships.	
Now try this Write a short paragraph to explain why sm emotional and social impacts on health an	noking can have negative	er an emotional effect is celings and a social effect is ow you relate to others.	

7. Personal hygiene

- Rank which aspect you think personal hyge has the greatest impact (P, I, E or S) give reasons for your choice.
- Write a short paragraph to explain why personal hygiene is important for health a wellbeing

Business

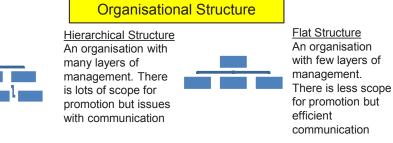
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Business

Hartford hurch of England High School

Training and Development

- Training- Introducing employees to new concepts/ideas
- Development- Pushing employees further/giving further knowledge on an existing concept
- Training can either be:
- Formal- In a learning environment/setting by professionals brought in to deliver
- Informal- training that is on the job and usually delivered by regular employees
- Self learning- giving employee the responsibility to learn outside of the work setting.
- Targets are then set and these are often reflected on in performance reviews



<u>Centralised structure-</u> where decisions are made at the top level of management and passed down

<u>Decentralised structure-</u> where decisions are made by regional/functional managers lower down the business.

<u>Communication</u>- where messages are passed between two or more people. This can be problematic if it is insufficient of excessive. Barriers- refer to factors that could prevent effective communication. These include noise, language barriers and technology.

Ways of working

- Full time- where an employee works 37 or more hours per week
- Part time- where you work less than 36 hours per week
- Flexible- this is where the employees works different hours each week
- Remote Working- working from home through the use of computers/technology.

Types of contract

- Permanent- when an employee has a job for the foreseeable future, with no end date.
- Temporary- when an employee has a job for a given time period (eg 3 months)
- Freelance- when an employee is hired to complete a job, once the job is completed, they leave.

Motivation

Motivation is the will/desire to want to work, this can lead to:

<u>Attract employees-</u>more employees will apply to vacancies due to good reputation

Retain employees- employees will not leave

Higher productivity- increase in the amount of work each employee completes.

Financial-	Non-financial
Remuneration- a basic salary/wage Bonus- money paid of top of salary/wage when targets are met. Promotion- an increase in pay due to better position in management. Commission- a percentage paid on top of wages based on sales made Fringe benefits- small extras on top of wages such as company car, discount schemes etc	<u>Job rotation-</u> giving employees the opportunity to perform different jobs to avoid repetition and boredom. <u>Job enrichment-</u> allowing employees to have more responsibility, taking on more important work. <u>Autonomy-</u> giving employees the power to be involved in decision making.

Recruitment

Recruitment is the process of obtaining employees into a vacant job role/position. This can be done either through the use of internal or external recruitment. Internal

Recruitment is the filling of a position with someone who already works within the business, External recruitment is the filling of a position with someone completely new from outside of the business.

The business will provide the following documents when recruiting;

Person specification- this outlines the type of person that would be ideal for the job role

Job description- this details all of the roles and responsibilities of the job role being filled

** The applicant will provide a completed application form and their personal CV

Key job roles and their responsibilities:

- Directors
- Senior managers
- Supervisors
- Operational staff
- Support staff









COMPONENT 3 – Responding to a Brief

BTEC Tech Award in Performing Arts (Acting)

Devise a performance in response to a stimulus provided by the exam board. Both parts of the task (written and performance) will be completed under supervision. There is a 12 week window for all parts to be completed. The component is marked out of 60.

Assessment Objectives	Key Vocabulary
AO1 - Understand how to respond to a brief.	
 Discuss and practically EXPLORE the stimulus considering: target audience, performance 	Target audience – who you will perform to and why
space, planning and managing resources, running time and style of work.	Performance space – choosing where the performance will take
• Develop ideas considering: structure of work, style and genre used, skills required, creative	place if not on the stage and why
intentions.	Running time – length of the performance
• Work effectively as a member of the group making an individual contribution and responding	Style of work – genre or practitioner who will influence your work
to the contribution of others.	Vocal skills – ability to adapt voice to suit a character
AO2 - Select and develop skills and techniques in response to a brief.	Physical skills – movement, gestures, body language, facial
 Demonstrate HOW to select and develop skills and techniques that are needed for the 	expressions
performer and whole group and take part in the rehearsal process.	Interpretative skills – presenting yourself to the audience and
	creating emotion
AO3 – Apply skills and techniques in a workshop performance in response to a brief	Commitment –how much effort you put in individually and as a
• Contribute to a workshop performance using: vocal, physical and interpretative skills. (18	group
marks)	Rehearsal – practicing the performance
AO4 – Evaluate the development process and outcome in response to a brief	Blocking – deciding where an actor should stand
• Evaluate the process and performance, considering: the brief, stimulus and contribution from	Performance – Showing of the piece of work to the target audience
other group members.	Evaluate – identify strengths and areas for improvement of both the
 Reflect on: selection of skills used, individual strengths/areas for improvement, overall and 	rehearsal and performance
individual contribution to the group, impact of the groups work.	Characterisation - creating a character through your movement and
	dynamic choices

Hartford Church of England High School Drama



COMPONENT 3 – Responding to a Brief					
BTEC Tech Award in Performing Arts (Acting)					
This is a summary of the key terms used to define the requirements in the BTEC components.					
Term					
Accurate	Produce work competently, fit for purpose without significant error. Detailed Having additional facts or information beyond a simple response.				
Adequate	Acceptable in quality or quantity.	Discuss	Consider different aspects of a topic and how they interrelate and the extent to		
Aucquale		DISCUSS	which they are important.		
Analyse	Examine methodically and in detail, typically in order to interpret.	Effective	Show control over techniques, equipment and processes to meet the details and		
			broad aims of a requirement efficiently.		
Apply	Put knowledge, understanding or skills into action in a particular context.	Evaluate	Bring together all information and review it to form a conclusion, drawing on		
			evidence, including strengths, weaknesses, alternative actions, relevant data or		
			information.		
Appropriate	Select and use skills in ways that reflect the aim.	Explain	Provide details and give reasons and/or evidence to support an argument.		
Assess	Present a careful consideration of varied factors or events that apply to a specific situation	Explore	Try out the qualities of materials, techniques or processes through practical		
	or identify those that are the most important or relevant and arrive at a conclusion.	1	investigation, with some record of results.		
Coherent	Logically consistent.	Identify	Indicate the main features or purpose of something. Independent Capable of		
		1	carrying out tasks from given information.		
Collaborate	Work jointly with others to produce defined outcomes.	Investigate	Carry out research or trial activities to increase understanding of the application of		
			factual information.		
Communicate	To convey ideas or information to others.	Justify	Give reasons or evidence to support an opinion.		
Compare	Identify the main factors relating to two or more items/situations, explain the similarities	Outline	Summarise or indicate the principal features of something or a brief description or		
	and differences, and in some cases say which is best and why.		explanation with main points.		
Competent	Having the necessary knowledge or skill to do something suitably or sufficiently in amount	Refine	Improve initial work, taking feedback into account.		
Comments	or extent.	Deflect			
Comprehensiv	Full, covering a range of factors.	Reflect	Think carefully and review information and/or performance, includes articulating		
e Confident	Demonstrate secure application of skills or processes with no need for processing		ideas, concepts, activities, findings or features.		
Confident	Demonstrate secure application of skills or processes, with no need for prompting.	Review	Assess formally based on appropriate evidence or information with the intention of		
Consistent	Able to repeat reliably an action that progresses towards achieving an aim.	Secure	instituting change if necessary. Well practised, confident in own ability and skills.		
Creative	Using techniques, equipment and processes to express ideas or feelings in new ways.	Select	Choose the best or most suitable option related to specific criteria or outcomes.		
Define	State or describe exactly the nature, scope or meaning of something.	Show	Present using practical skills.		
Demonstrate	Carry out and apply knowledge, understanding and/or skills in a practical situation.	Simple	Well defined, routine, frequently occurring.		
Describe	Give a clear, objective account in their own words, showing recall, and in some cases	State	Express something definitely or clearly.		
	application, of relevant features and information. Normally requires breadth of content				
Support	coverage.		Cathors together all of the main accounts of a given situation or even situation of a given s		
Support	Guidance and instruction.	Summarise	Gathers together all of the main aspects of a given situation or experience in a		
L			condensed format.		