100% book - Year 10 Mainstream

Aim to memorise 100% of the knowledge on these Knowledge Organisers.



Term 3

Swindon Academy 2024-25				
Name:				
Tutor Group:				
Tutor & Room:				

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

If you are determined to learn, no one can stop you."











How to use your 100% book of Knowledge Organisers and Quizzable Organisers

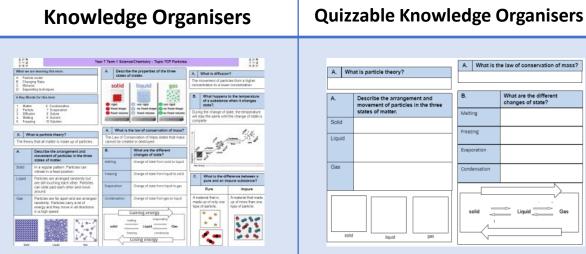
Melting

Condensation

What is the law of conservation of mass?

What are the different

changes of state?



Knowledge Organisers contain the essential knowledge that you MUST know in order to be successful this year and in all subsequent years.

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

Freezing Evaporation

Describe the arrangement and

novement of particles in the three states of mat

These are designed to help you quiz yourself on the essential Knowledge.

Use them to test yourself or get someone else to test you, until you are confident you can recall the information from memory.

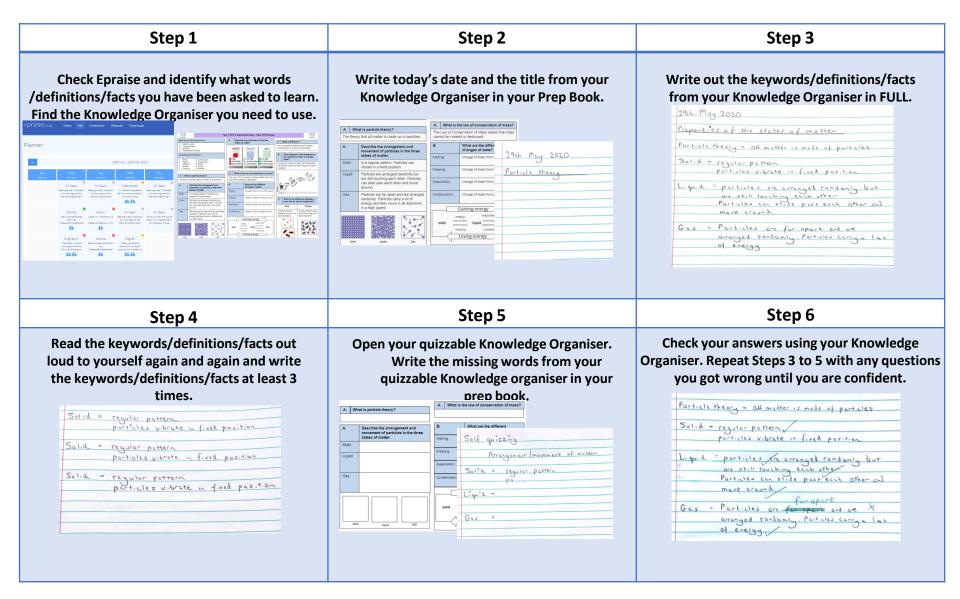
Top Tip Don't write on your Quizzable Knowledge Organisers! Quiz yourself by writing the missing words in your prep

book. That way you can guiz yourself again and again!

Expectations for Prep and for using your Knowledge Organisers

- 1. Complete all prep work set in your subject prep book.
- 2. Bring your prep book to every lesson and ensure that you have completed all work by the deadline.
- 3. Take pride in your prep book – keep it neat and tidy.
- Present work in your prep book to the same 4. standard you are expected to do in class.
- Ensure that your use of SPAG is accurate. 5.
- Write in blue or black pen and sketch in pencil. 6.
- 7. Ensure every piece of work has a title and date.
- 8. Use a ruler for straight lines.
- 9. If you are unsure about the prep, speak to your teacher.
- Review your prep work in green pen using the 10. mark scheme.

How do I complete Knowledge Organiser Prep?



Make sure you bring in your completed Prep notes to demonstrate that you have completed your prep.

ENGLISH – A Christmas Carol- Traditional

1. Context		2. Key Characters		4. Key Vocabula	ry
1. Context				Avarice	Extreme greed of poss
Writer: Charles Dickens (1812-1870) Dates: First published in 1843 Genre: Allegorical; a ghost	Biography of Dickens Born in Portsmouth in 1812		The protagonist is initially established as an archetypal villain who will and generosity associated with Christmas. After being forced to	Salvation	Saving someone from
	• When Dickens was 12, his father	transform, he feels	remorse for his avarice and becomes a symbol of Christmas spirit. Scrooge ntless capitalist spirit of the time, but also demonstrates that everyone has	Miserly	someone who is greed
	was sent to debtors' prison as he was unable to pay his bills.	the capacity to refo		Callous	Mean or cruel
story. Era: Victorian	 His mother and youngest siblings 			Antithesis	The exact opposite of s
Set: Victorian London	were sent with him, whilst	Bob Cratchit: Bob i	is Scrooge's downtrodden but loyal employee. His family are a symbol of	Epiphany	A moment of sudden u
Structure: The novella is	Dickens stayed with a family friend. In order to help his family,		cheerfulness in adversity, togetherness and Christmas Spirit. Bob shows	Redemption	The act of being saved
divided into 5 staves (chapters).	Dickens had to leave school and		nd provides a contrast to Scrooge's isolation and meanness. His son, Tiny for noble poverty; he accepts his disability without complaint.	Benevolence	Kind and helpful towar
(enapters).	work in a factory sticking labels on bottles.	,	- · · · · · · · · · · · · · · · · · · ·	Philanthropic	Showing concern for o
	 Dickens dedicated his life to 	Fred: Fred juxtapos	ses the character of Scrooge and epitomises the concept of goodwill and	Misanthropic	Someone who has a h
	writing works that revealed the horrors of life in Victorian London	his generosity, in c	ng to be discouraged by his uncle's misery. People speak highly of Fred and ontrast to how they speak of Scrooge. Fred shows that Scrooge has chosen	Penitence	sincere regret for wron
	for those living in poverty.	isolation and show	s forgiveness to Scrooge, welcoming him in Stave Five.	Remorse	a strong feeling of sade done
			Marley's ghost is the spiritual representation of Scrooge's potential fate. The m down symbolize the guilt caused by his failure to help people in	Deprivation	When someone is unal
Christmas:	London and inequality:		ost warns Scrooge that he too will experience the same guilt if he continues	Despotism	exercising power in a cr
Dickens grew concerned that, due to capitalism, society had lost sight of traditional values	Dickens juxtaposes scenes of middle- class comfort and poverty to emphasise the close proximity and		to deny people help. The ghosts: The Ghost of Christmas Past is a symbol of childhood, truth and enlightenment.		A political system in whi private individuals and r
(Christian morals, forgiveness, charity). He felt	contrast of the different classes. It highlights the Christian concept of	The Ghost of Christ	tmas Present represents goodwill, plenty and the festival of Christmas.		
that Christmas was the perfect time to reconnect	'love thy neighbour'. The urban setting allows Dickens to exercise his fondness for hyperbole, with the exaggerated extremes of poverty adding to the effect of the 'plight of the poor'.	The Ghost of Christmas Yet to Come symbolises a catastrophic future for mankind.		5. Key Terminology, Symbols and Devices	
his novella to do this. He also		Belle: The woman that Scrooge was engaged to when he was a young man. Belle's role is crucial in Scrooge's transformation, as the scenes show Scrooge what he might have had in his life if he had not been so avaricious. Through the character of Belle, Dickens sets emotional love directly against Scrooge's love of money and suggests that avarice can lead to a deprivation of kindness, love and empathy.		Stave	Chapters in the novella, the book is a Christmas Christmas carols are re wishes his message to l
The Poor Law, 1834	 partially informed by the writings of Thomas Malthus. Malthus argued that if living standards increased, population would increase and eventually the number of people would be too great for the food that could be produced. As a result, Malthus argued it was important not to support the poor or improve their 	3. Central Themes	Central Themes Dickens highlights the unfairness within society through the juxtapositior		A narrator who interrupts some aspect of the stor narrator helps to shape
In order to deter poor people from claiming financial help, the government made claimants live in workhouses: essentially, prisons for the poor. Dickens hated this law. He spent 1843 touring factories and mines in England and wished to highlight the situation facing poor people. A Christmas Carol was published soon after – in December 1843.		Social injustice Transformation and redemption	stice of the poor and wealthy. Through Scrooge's refusal to give to charity and his exclamation that the poor should be in workhouses or die, Dickens illustrates the selfshness of the higher classes and the injustice of wealth distribution in Victorian society. The children, Ignorance and Want, personify the dangerous consequences of allowing poverty to continue. By establishing Scrooge as an archetypical villain, Dickens is able to emphasise the idea that everyone is capable of transformation and redemption. Error starting as a gready avaricing view for Scrooge is able.	Circular structur	e Circular narratives cycle th the story originated.
				Allegory	A story that can be interp political one.
					An allegorical figure is a c important person in the abstract meanings or id
				Foreshadowing	Foreshadowing is a literary is to come later in the s
The Supernatural: Victorian society was fascinated by the supernatural, including mediums, ghosts, and spiritualism. However, this belief in the supernatural was also heavily influenced by the church, with the belief that ghosts were souls who were trapped in purgatory (a place of suffering where the souls of sinners were trapped).		Social	them. Marley's Ghost conveys the message of the novella when he crie 'Mankind was my business' demonstrating that the proper 'business' o life is out about seeking financial reward hut having concern for others		A type of literature that is moral or political lessor
		responsibility Dickens highlights the importance of trying to make a difference- wheth that be large financial contributions (Scrooge), smaller contributions (Fezziwig) or simply showing compassion and kindness to one another.		Semantic Field	A set of words that are rel fields of warmth and co

4. Key Vocabulary	
varice	Extreme greed of possessions or money
alvation	Saving someone from harm or destruction
Aiserly	someone who is greedy and does not like spending money
allous	Mean or cruel
ntithesis	The exact opposite of something
piphany	A moment of sudden understanding
edemption	The act of being saved or freed from sin or error
enevolence	Kind and helpful towards others
hilanthropic	Showing concern for others by being charitable
lisanthropic	Someone who has a hatred for other people
enitence	sincere regret for wrong or evil things that you have done
emorse	a strong feeling of sadness and regret about something wrong that you have done
eprivation	When someone is unable to have the things they need or want
Despotism	exercising power in a cruel and controlling way
Capitalism	A political system in which property, business, and industry are owned by private individuals and not by the government

5. Key Terminology, Symbols and Devices			
Stave	Chapters in the novella, but we normally associate staves with music, as if the book is a Christmas carol, and each chapter is part of the song. As Christmas carols are repetitive and easy to remember, it links to how Dicken's wishes his message to be remembered.		
Intrusive Narrator	A narrator who interrupts the story to provide a commentary to the reader on some aspect of the story or on a more general topic. In 'A Christmas Carol' the narrator helps to shape our impressions of Scrooge.		
Circular structure	Circular narratives cycle through the story one event at a time to end back where the story originated.		
Allegory	A story that can be interpreted to reveal a hidden meaning, typically a moral or political one.		
Allegorical figures	An allegorical figure is a character that serves two purposes: first, they are an important person in the story in their own right, and, second, they represent abstract meanings or ideas.		
Foreshadowing	Foreshadowing is a literary device in which a writer gives an advance hint of what is to come later in the story.		
Didactic	A type of literature that is written to inform or instruct the reader, especially in moral or political lessons.		
Semantic Field	A set of words that are related in meaning. Dickens frequently uses semantic fields of warmth and coldness that are associated with the characters.		

ENGLISH – A Christmas Carol- Traditional

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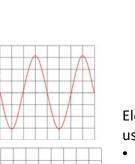
1. Context		EN	GLISH – A Christmas Carol- Traditional			
Writer:	Biography of Dickens	2. Key Character			ey Vocabulary	
Dates:				4. Ke		
		Ebenezer Scrooge:		Salvati		
Genre:						
Era:				Miserl		
Set:	•	Bob Cratchit:		Callous	S	
Structure:				Antith	iesis	
	•			Epipha		
		Fred:		Redem		
					olence	
				Philant	thropic	
				Misant	thropic	
Christmas:	London and inequality:	Marley's Ghost:		Penite	ence	
				Remor	rse	
		The ghosts:		Depriv	vation	
					Despotism	
		Belle:			Capitalism	
				5. Ke	ey Terminology, Sy	ymbols and Devices
		3. Central Themes				
				Stave		
The Poor Law, 1834	Malthusian Theory					
		Social injustice		Intrus	sive Narrator	
				Circula	ar structure	
		Transformation and redemption		Allego	ory	
				Allego	orical figures	
The Supernatural:				Forest	hadowing	
·		Social responsibility		Didact	tic	
				Semar	ntic Field	

T3 Year 10 Mainstream Combined Science P2 Mainstream Electricity

Domestic use of electricity

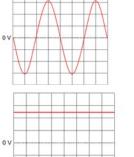
There are two types of electrical supply – direct (DC) and alternating current (AC) AC

The pd changes direction and magnitude, giving alternating current The number of times the change of direction happens per second is the frequency. UK mains is AC - 230V Frequency of **50 Hz**



DC

A direct pd produces current that flows in one direction Batteries supply DC





Electrical appliances are connected using 3 core cable

- Brown live wire, with pd of 230V
- Blue neutral, OV, completes the circuit
- Yellow and green Earth wire, is at OV unless there is a fault, when it will become live

Appliances in the home and power

Power is measured in Watts (W) or kW Power can be calculated by using:

Power = Voltage x current P = IV

Power = $current^2 x resistance$ $P = I^2 R$

Appliances transfer energy.

Energy is measured in Joules (J) or kJ The energy transferred can be calculated by using:

Energy = charge flow x potential difference E = Q V

Energy = power x time E = pt

For example

A kettle transfers energy from the thermal store of the filament in the kettle to the thermal store of the water inside.

Some energy is transferred to the thermal store of the surroundings.

The National Grid

The National Grid is a system of cables and transformers connecting power stations to homes and businesses



The National Grid uses very high pd and low current.

High current causes heating in the wires and would result in large energy losses.

Step up transformers increase the pd from the power station (to around 400000V) so that low current can be used to transmit power.

This means the wires don't get hot, so less energy is lost.

Near homes and businesses, step down transformers reduce the pd to 230V for safety.

T3 Year 10 Mainstream Combined Science P2 Mainstream Electricity					
Domestic use of electricity	Appliances in the home and power				
1. What are the two types of current?	1. What is the equation linking current,				
2. What type of power supply produces DC current?	potential difference and power?				
3. What are the two differences between AC and DC current?	2. What is the equation linking current,				
4. What is the pd of the UK mains supply?	resistance and power?				
5. What is the frequency of UK mains supply?	3. What two factors affect how much				
6. What colour is the live wire in UK plugs?	energy an appliance transfers?				
7. What is the purpose of the blue wire in UK plugs?	4. What is the equation linking energy,				
8. When does the yellow and green wire carry a current?	power and time?				
The National Grid					
1. What is the National Grid?	5. What are the units for power?				
2. What sort of pd does the National Grid use to transmit electrical power?	6. What is the equation linking charge,				
3. What is used to increase the pd from the power station?	energy and potential difference?				
4. What is used to reduce the pd near homes and businesses?	7. What are the units for energy?				
5. Why is such a high pd used?					

T3 Year 10 Mainstream Combined Science C8 – Chemical Analysis

Pure substances Pure = single element or compound – not mixed with any other substance.

••

Testing to see if a substance is pure: - Pure substances have specific melting and boiling points

- Compare your data to a library of known values.

E.g. Water has a boiling point of 100°C, if it is above or below this, it is not pure.

Formulations

Formulation = a mixture that is designed as a useful product.

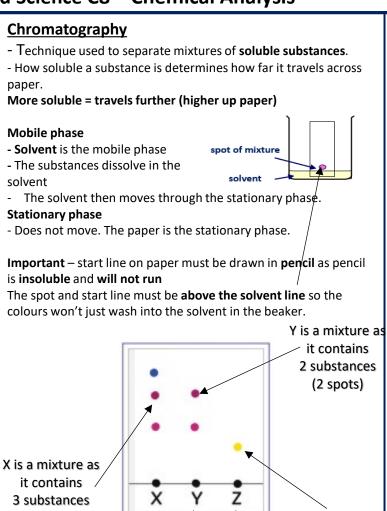
- Components mixed carefully to get the required **properties**.

Examples of formulations:

- Fuels
- Cleaning agents
- Paints
- Medicines
- Alloys
- Fertilisers
- Food



(3 spots)

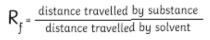


Three samples

(x, y and z)

Rf Values

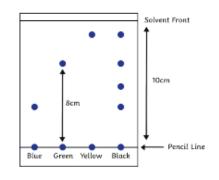
This is the ratio of the distance moved by a substance to the distance moved by the compound



- Should always be between 0 and 1.
- Each substance has a unique Rf value.

- Can compare Rf values to a library of known substances

- Can identify unknown substances.



Rf value of green:

Z is pure as it

only contains

one substance

(1 spot)

8cm / 10cm = 0.8

T3 Year 10 Mainstream Combined Science C8 – Chemical Analysis					
1. What is chromatography used for?	 How do you calculate the Rf value? 				
2. What determines how far the substance travels?	 Rf values should always be between 				
3. What is the mobile phase in paper chromatography?	 Use a ruler to measure the distance the solvent moved in the diagram below. 				
4. What is the stationary phase in paper chromatography?	 Use a ruler to measure how far the yellow spot moved 				
5. How would you be able to identify a pure substance on a chromatogram?	5. Calculate the Rf value for yellow				
 Draw and label a diagram of the experiment to Investigate how many different colours there are in food colouring using paper chromatography. 	Solvent Front				
	 What is chromatography used for? What determines how far the substance travels? What is the mobile phase in paper chromatography? What is the stationary phase in paper chromatography? How would you be able to identify a pure substance on a chromatogram? Draw and label a diagram of the experiment to Investigate how many different colours there are in food 				





9. Global atmospheric circulation

Factor	Explanation
Global atmospheric circulation	Worldwide system of winds, which transport heat from the equator to the poles.
Key information	Wind is large scale movement of air from HIGH to LOW pressure. This is caused by differences in temperature at the Equator and the poles. The circulation is divided into loops called CELLS. Low pressure = Rising air = Rain. High pressure = Sinking air = Clear skies.
Polar cell Ferrel cell Winds OFF Trade Winds Hadley cell Hadley cell Hadley cell Hadley cell Hadley cell Hadley cell Hadley cell	At the poles, cool air sinks creating high pressure. (<250mm rainfall). At 60°N air rises between the Ferrel and Polar cell creating an area of low pressure. The UK gets lots of <u>low pressure</u> weather blown in from the Atlantic. At 30°N air sinks between the Ferrel/Hadley cell creating high pressure (deserts <250mm rain). On the equator air rises as the sun's heat is most concentrated. This creates a <u>low</u> <u>pressure</u> area with high rainfall. (Rainforests >2000mm of rain). Surface winds blow towards the equator (trade winds). Direct hurricanes to west. Here winds blow towards the poles and are called Westerlies. (From the west). The winds curve due to the spin of the earth (Coriolis effect).

11. Evidence that weather is becoming more extreme...

Our weather is naturally variable BUT extreme events are becoming more common and severe.

Hazard	Example	
	10 warmest yrs all occurred since 1990.	
Temperature	2018 joint hottest summer on record.	
	Dec 2010 coldest month for 100 years.	
	More rainfall records broken between	
Rainfall	2010 - 2014 than in any other decade.	
	Dec 2015 wettest month on record.	

10. Weather hazards in the UK

Hazard	Example	
Extreme	A weather event that is significantly	
weather	different from the average pattern and	
weather	is especially severe or unseasonal.	
Strong	Damage property / disrupt transport.	
winds	2018 Storm Ali killed 2 people.	
Heavy rain	Can cause flooding, costing millions.	
	Cockermouth 2009 314 mm in 24 hrs.	
Snow	Injury, death, travel disruption.	
SHOW	March 2018 Beast from East. 50 cm.	
D	Crop failure, rules to conserve water.	
Drought	April 10-March 12 only 75% of rain.	
Lastunes	Pollution builds up- breathing problems.	
Heatwaves	Death. BUT tourism benefits. 2018.	

12. An example of a recent extreme weather event in the UK

Causes 350mm rain fell in Jan and Feb				
High tides, rivers not dredged for 20	0 yrs			
1 🗴 £10 million damage				
2 🎍 14,000 ha of farmland flooded				
Impacts 3 9 600 homes flooded				
4 🛉 Moorland and Muchelney cut-	off			
5 🛃 Floodwaters contaminated				
6🛃 Soil damaged for 2 years after				
Immediate responses				
 Army helped with rescue boats 				
 Volunteers and community group 	 Volunteers and community groups 			
Manage-	 Locals used boats to go 			
ment shopping/school	shopping/school			
strategies Long term responses				
 £20 million flood action plan 				
 Rivers dredged 				
 Road levels raised 				
Tidal barrage by 2024				



GCSE Geography AQA. 3. Natural Hazards



	OCSE OEOgraphy AQA. S. Natural hazarus			
9. Global atmospheri	c circulation		10. Weathe	r hazards in the UK
Factor	Explan	ation	Hazard	Example
Global atmospheric circulation			Extreme	
			weather	
			Strong	
Key information			winds	
Polar cell			Heavy rain	
Ferrel			Snow	
60 N cell			Drought	
-30 N Trade			Heatwaves	
winds				
Trade winds Hadley				nple of a recent extreme
20xc cell			weather ev	ent in the UK
Messenlies Forrel			Name	
			Causes	
ell				
Polar cell			Impacts	
	11. Evider	nce that weather is		
	becoming	more extreme		
	Hazard	Example	Manage-	
			ment	
			strategies	
	T			
	Temperature			





13. Tropical storms			
Hurricanes, cyclones, typhoons. An area of low			
pressure wit	th winds moving in a spiral around the		
calm centi	al point called the eye of the storm.		
Winds a	are powerful and rainfall is heavy.		
Factor	Explanation		
	5° – 30° north and south of equator		
Global	(sea temp warm, wind shear low).		
distribution	More in the northern hemisphere.		
	Move towards the west.		
Relationship Trade winds (from high to low			
with ACM	pressure) send tropical storms to west.		
Structure Circular, can be 100s of km wide.			
Entras	Eye- calm in centre (air 🕹, LOW).		
0022 4500	Eyewall- strong winds, torrential rain.		
Edges- Wind speed falls, rain red			
How v	How will climate change affect them?		
Distribution	Increase to higher latitudes (warmer		
Distribution	sea temperatures).		
Frequency	Number could increase. (Longer season)		
Intensity	Stronger? More evaporation.		

14. Formation of tropical storms				
	Include	processes and ensure correct sequence.		Γ
		5-30° latitude.		F
Co	onditions	Ocean depth > 60m deep.		
		Sea temperature > 27°C.		
		Form summer and autumn.		
1.	Sun heat	ts the ocean (27°C) > rapid evaporation.		
2.	Condens	sation occurs quickly leading to a large		Γ
	amount of cloud forming (tropical depression).			
3.	Due to the earth's rotation, this cloud mass starts			
to spin. An eye is formed in the centre.				
4.	Due to rising air, a low pressure area forms below.			
	Air rushes into this creating high wind speeds.			
	(>74mph = tropical storm)			
5.	The low pressure results in the ocean being			
	uplifted forming a storm surge.			

15. How can we reduce the impacts?		
Strategy	Explanation	
Prediction / monitoring	Satellites and aircraft to monitor storms. Computer models calculate the predicted track. Allows warnings so people can evacuate or protect their home.	
Planning	New developments avoid high risk areas Emergency services train and prepare. Plan evacuation routes. Reduces the injuries and deaths.	
Protection	Building design-reinforced concrete, stilts to reduce flood risk. Flood defences along rivers and coasts. Reduces the number of buildings destroyed so fewer injuries and deaths.	

16. Tropical storms affect people and environments.

	Generic	Typhoon Haiyan 2013 Philippines
Primary effects	Direct results of strong winds, high rainfall, storm surges. Flooding, buildings destroyed, death.	 6,201 deaths. (Most drowned in storm surge.) 1.1 million houses damaged. 90% of Tacloban city destroyed.
Secondary effects	Homelessness > lead to poor health. Lack of sanitation > diseases (cholera) Food shortages, price increase.	 4.1 million homeless. Damage cost US\$12 billion. 1.1 million tonnes of crops destroyed (rice).
Immediate responses	Evacuate before the storm. Rescue those affected. Provide food, water, blankets. Aid workers arrive from abroad. Recover dead bodies (prevent disease).	 Over 1200 evacuation shelters set up. Philippines Red Cross delivered basic food aid. UK sent shelter kits. 800,000 evacuated (warnings given 2 days early).
Long term responses	Repair homes and infrastructure. Promote economic recovery.	 More cyclone shelters built. No build zones. 'Cash for work' programmes.





13. Tropical storms	14. Format	ion of tropical storms	15. How	can we reduce the impacts?
			Strategy	Explanation
	Conditions		Prediction / monitoring	
Factor Explanation				
Global distribution Relationship	-		Planning	
with ACM			Protection	
6 A 23 [{ { A 6				
How will climate change affect them?	16. Tropica	l storms affect people and	environme	nts.
Distribution		Generic		hoon Haiyan 2013 Philippines
Frequency	Primary effects		ă	
Intensity	Secondary effects		ů ő	
	Immediate responses		* * * *	
	Long term responses		^ ^ ^ ^	

Climate Change

Background: 1. Since the 1860s the global climate has been recorded. 2. Since then the climate globally has increased by 0.8° Celsius. 3. Climate scientists can use methods to find out about the global climate before we started recording it. (B) 4. From this evidence we can see that the planet has always gone through periods of warming and cooling. (A) However, the rapid increase of carbon dioxide in the 5. atmosphere from burning fossil fuels, is causing the enhanced greenhouse effect. (D) 6. The enhanced greenhouse effect is causing changes to the planet, such as the melting of Artic sea ice, rising temperatures, and an increase in extreme weather events such as tropical storms. (E, F) Countries are trying to resolve the climate change issue by 7. limiting the amount of carbon dioxide released into the atmosphere, this is known as mitigation. (G, H)

 Some countries are trying to adapt to climate change by building flood barriers and growing drought resistant crops. (G, H)

Α.	Changes in climate (3)	
Climate change		The process of the Earth's climate changing over time.
Glacial periods		Cold periods.
Inter-glacial periods		Warm periods.

В.	Meas	Measuring climate change <i>(3)</i>	
Ice cores		Each layer of ice in a core represents a different year. CO_2 can be measured in each layer, and therefore the temperature.	
Tree rings		Each ring represents a different year. Thicker rings show a warmer climate.	
Historical evidence		Paintings and diaries e.g. paintings of ice fairs on the frozen Thames 500 years ago.	

C.	Natural climate change (3)	
Volcanic		Ash from volcanic eruptions can
eruptions		block sunlight, making it colder.
Sun spots		The sun can give out more energy due to an increase in sun spots.
Orbital		The orbit of the sun changes from oval (ellipse) to circular approx.
change		98,000 yrs.

Ε.	Effects on people (6)	
Tro	pical storms	Increase in frequency and intensity so more damage.
Sea	I-level rise	Increased risk of floods, damaging property and businesses.
Mel	ting Arctic ice	Affects trading routes in the Arctic Circle.
Moi floo	e droughts/ ds	Crop failure, could lead to starvation and famine.
Cos	t of defence	Governments have to spend more money on disasters instead of developing.
	rironmental ugees	Pressure on countries to accept refugees.

G.	Strategies to resolve climate change (4)	
Adaptation		Adapting to climate change to make life easier.
Adaptation examples <i>(3)</i>		 Building flood defences. Growing new crops to suit the new climate. Irrigation channels, sending water from areas of surplus to deficit.
Mitigation		Trying to stop climate change from happening by reducing greenhouse gases.
Mitigation examples (3)		 International agreements. Alternative energies. Carbon capture.

D.	Human-in	iman-induced climate change (5)		
Greenhouse effect		The way that gases in the atmosphere trap heat from the sun. Like glass in a greenhouse they let heat in, but prevent most from escaping.		
Greenhouse gases		Gases like carbon dioxide and methane that trap heat around the Earth, leading to climate change.		
Transport		More cars, so more $\rm CO_2$ causing the enhanced greenhouse effect.		
Farming		Farming livestock produces methane, this is a greenhouse gas.		
Energy		More energy required, meaning more fossil fuels burnt, so more CO_2 .		

F.	Effects on the environment (4)		
Sea temperature rises		Coral bleaching and destruction of marine ecosystems.	
More droughts		Migration/ death of species which can not survive drought conditions.	
Melting glaciers (ice rivers)		Will send more fresh water into the sea, causing the sea level to rise.	
Melting Arctic ice		Loss of habitats for animals, such as polar bears.	

H.	Place speci	specific examples (2)				
Adaption		<i>The Thames Barrier.</i> Positive: Stops flooding due to rising sea levels. Negative: Expensive				
Mitigation		<i>The Paris Agreement.</i> Positive: Countries are trying to lower CO ₂ emissions. Negative: The USA pulled out and China did not sign up.				

Climate Change

Background: 1. Since the 1860s the global climate has been recorded. 2. Since then the climate globally has increased by 0.8° Celsius. 3. Climate scientists can use methods to find out about the global climate before we started recording it. (B) 4. From this evidence we can see that the planet has always gone through periods of warming and cooling. (A) 5. However, the rapid increase of carbon dioxide in the atmosphere from burning fossil fuels, is causing the enhanced greenhouse effect. (D) 6. The enhanced greenhouse effect is causing changes to the planet, such as the melting of Artic sea ice, rising temperatures, and an increase in extreme weather events such as tropical storms. (E, F) 7. Countries are trying to resolve the climate change issue by limiting the amount of carbon dioxide released into the atmosphere, this is known as mitigation. (G, H) Some countries are trying to adapt to climate change by building flood 8. barriers and growing drought resistant crops. (G, H) Changes in climate (3) Α. Climate change Glacial periods Inter-glacial periods

В.	Measu	ring climate change (3)
Ice cores		
Tree rings		
Historica evidence		

C.	Natural	climate change (3)				
Volca erupti						
Sun s	pots					
Orbita chang						
E.	Effects	on people	9 (6)			
Tropic	al storms					
Sea-le	evel rise					
Meltin	g Arctic ic	е				
More	droughts/	floods				
Cost	of defence					
Enviro	onmental F	Refugees				
G.	Strateg	ies to res	olve climate change (4)			
Adapt	ation					
Adaptation examples (3)		nples				
Mitiga	tion					
Mitiga <i>(3)</i>	tion exam	ples				

D.	Human-induced climate change (5)				
Green effect	house				
Green gases	house				
Trans	port				
Farmir	ng				
Energ	y				

F.	Effects on the environment (4)				
Sea temperature rises					
More droughts					
Melting glaciers (ice rivers)					
Melting Arctic ice					

H.	Place sp	Place specific examples (2)				
Adapt	ion					
Mitiga	tion					

GCSE History : Medicine in 18th and 19th Century Britain

	GCSE History : Medicine in 18 th and 19 th Century Britain					
What wo	are learning this term:	B. Change and continuity in	B. Change and continuity in ideas about disease and illness in the 18 th and 19 th Century. (3.1-3.2)			
	-	<u>Causes</u>	Prevention	Treatments		
3.1 Ideas about the cause of disease and illness3.2 Approaches to treatment and prevention3.3 Key Individuals and fighting cholera in London,1854		, <u>,</u>	Vaccinations – the work of Edward Jenner in the 18^{th} century led to the first vaccination being created for smallpox. This led the way to other vaccinations being produced as	Continuance – despite the new ideas about the cause of disease and illness in the 18 th century, it took a while for medical science to catch up. Not a		
Α.	Can you define these key words?		Pastuer and Robert Koch isolated microbes which caused certain diseases	great deal of understanding how to remove germs as part of treatment		
microbes	Any living organism that is too small to see without a microscope. Microbes include bacteria.	Revolution - people started to look for	Public Health Act 1875 – in the 18 th Century the government had a very <i>laissez-faire</i> attitude to public health. This changed when more men could vote. The government	Hospitals – Florence Nightingale was a pioneer in changing hospitals and hospital care in the 19 th Century. Following her success at the war		
vaccinatio	n Treatment with a vaccine to produce immunity against a disease		realised changes were needed and passed the Public Health Act. This Act stated that	hospital in the Crimea, Nightingale changed the way that hospitals were		
spontaneo generatior	us Claimed rotting matter created microbes.		clean water, sewage system, public parks, housing officers and street lighting had to be	designed to having separate wards and more ventilation. Also set up a training		
bacteriolog			provided	school for nurses to give better care		
inoculate	Deliberately infecting yourself with a disease to avoid a more severe case later on.	theory that disease and illness was	Role of the government – Took a more active role in preventing disease, making smallpox vaccinations compulsory	Anaesthetics – one of the big problems in the 18 th and 19 th centuries was pain during surgery. Ether and laughing gas had been used but they were not good		
C.	Fighting cholera in London , 1854 (3.3)			enough. John Simpson discovered that chloroform could be used as a		
What is Choler	Cholera was a terrible water borne disease that spread quickly across			pain relief – this led to more complex surgeries being performed		
a?	England from 1831. There were lots of cases in slum dwellings.	Spontaneous Generation – this theory stated that rotting matter caused bacteria		Antiseptics – another big problem with surgery was infections. Joseph Lister		
s to	Some steps were taken to clean up the filthiest areas of the city. Idea that it was	to form, causing people to get ill		built on Pasteur's work and discovered that carbolic acid could be used to prevent infections. Used on wounds		
Attempts to prevent it	caused by miasma was widespread, so local councils focused on cleaning up the			and Sterlised equipment, but some surgeons did not like the change		
Att pr€	mess in which they were living	Germ Theory - this correct theory put				
	John Snow was surgeon who investigated	forward by Louis Pastuer was that germs caused matter to rot. He linked this to				
2	the 1854 epidemic. He created a spot map	disease and illness, stating that germs				
oug	to show the deaths and noticed they were concentrated around a water pump in	caused people to get ill				
John Snow	Broad Street, SoHo. Clear the water pump		D. Key People (3.3)			
Jol	was the source of the outbreak	Edward Jenner	John Snow	Edwin Chadwick		
Impact of Snows work	In the short-term Snow removed the handle from the Broad Street pump and the deaths in that area went away. Long- term Snow presented his work to the government arguing clean water needed to be supplied. Many rejected his work and clung to the idea of miasma causing cholera	Country doctor who realised that milkmaids who got cowpox did not catch smallpox – decided they must be connected. Tested his theory by infecting a local boy with cowpox and then tried to infect him with smallpox bu he did not get ill. Wrote up his findings to make sure doctors could follow. Had successfully developed the first vaccine, which was supported by the government.	cholera was a water borne disease in the 1850's. Snow presented his findings to the government, recommending that the sewer systems were improved, which they were eventually.	Published his <i>Report on the Sanitary</i> <i>Conditions of the Labouring Classes</i> in 1842. he spent time researching the urban poor and discovered that people living in cities had a lower life expectancy than people living in the countryside. Campaigned for all cities to set up boards of health, responsible for clean water and disposing sewage.		

GCSE History : Medicine in 18th and 19th Century Britain

What we a	What we are learning this term: B. Change and continuity in ideas about disease and illness in the 18 th and 19 th Century. (3.1-3.2)						
	about the cause of disease and	<u>Causes</u>		Prevention		atments	
illness							
3.2 Approa	aches to treatment and prevention						
3.3 Key In London, 1	dividuals and fighting cholera in						
A.	Can you define these key words?						
microbes							
vaccination							
spontaneoເ s	1						
generation							
bacteriolog							
inoculate							
	Fighting cholera in London , 1854 3.3)						
What							
is Choler							
a?							
Attempts to prevent it							
emp							
tt b			D. Key People (3.3)				
		Edward Jenner		John Snow	Edv	win Chadwick	
John Snow							
f ork							
uct o vs w							
Impact of Snows work							

GCSE History : Medicine in 18th and 19th Century Britain

	GCSE History : Medicine in 18 th and 19 th Century Britain						
What we	are learning this term:	B. Change and continuity in	B. Change and continuity in ideas about disease and illness in the 18 th and 19 th Century. (3.1-3.2)				
	about the cause of disease and illness	Causes	Prevention	Treatments			
3.2 Appro	baches to treatment and prevention ndividuals and fighting cholera in London,	world events	Vaccinations – the work of Edward Jenner in the 18 th century led to the first vaccination being created for smallpox. This led the way to other vaccinations being produced	Continuance – despite the new ideas about the cause of disease and illness in the 18 th century, treatments to remove germs took longer to find			
Α.	Can you define these key words?	1 1 1	Public Health Act 1875 – in the 18 th Century the government did not care much about	Hospitals – Florence Nightingale helped to change hospitals and			
microbes	Any living organism that is too small to see without a microscope. Microbes include bacteria.	caused by harmful fumes in the air. BUT it was becoming less popular	public health. This changed when more men could vote.	nursing. Nightingale changed the way that			
vaccinatio	Treatment with a vaccine to produce immunity against a disease		The government realised changes were needed and passed the Public Health Act.	hospitals were designed to having separate wards and more ventilation.			
spontaneo generation bacteriolog	The study of bacteria.		This Act stated that clean water, sewage system, public parks and street lighting had to be provided	Also set up a training school for nurses to give better care			
inoculate	Deliberately infecting yourself with a disease to avoid a more severe case later on.	stated that rotting matter caused bacteria	Role of the government – Took a more active role in preventing disease, making smallpox vaccinations compulsory	Anaesthetics – one of the big problems in the 18 th and 19 th centuries was pain during surgery.			
С.	Fighting cholera in London , 1854 (3.3)			Ether and laughing gas had been used but they were not good enough.			
What is Choler a?	Cholera was a terrible water borne disease that spread quickly across England from 1831. There were lots of cases in slum dwellings.			John Simpson discovered that chloroform could be used as a pain relief – this led to more complex surgeries being performed			
Attempts to prevent it	Some steps were taken to clean up the filthiest areas of the city. Idea that it was caused by miasma was widespread, so local councils focused on cleaning up the mess in which they were living	Germ Theory – this correct theory put forward by Louis Pastuer was that germs caused matter to rot. He linked this to disease and illness, stating that germs caused people to get ill		Antiseptics – another big problem with surgery was infections. Joseph Lister built on Pasteur's work and discovered that carbolic acid could be used to prevent infections.			
	John Snow was surgeon who investigated the 1854 epidemic. He created a spot map to show the deaths and noticed they were			Used on wounds and Sterlised equipment, but some surgeons did not like the change			
John Snow	concentrated around a water pump in Broad Street, SoHo. Clear the water pump	D. Key People (3.3)					
	was the source of the outbreak	Edward Jenner	John Snow	Edwin Chadwick			
In the short-term Snow removed the handle from the Broad Street pump and the deaths in that area went away. Long- term Snow presented his work to the government arguing clean water needed to be supplied. Many rejected his work and clung to the idea of miasma causing cholera		Country doctor who realised that milkmaids who got cowpox did not catch smallpox – decided they must be connected. Tested his theory by infecting a local boy with cowpox and then tried to infect him with smallpox but he did not get ill.	cholera was a water borne disease in the 1850's. Snow presented his findings to the government, recommending that the sewer systems were improved, which	Published his <i>Report on the Sanitary</i> <i>Conditions of the Labouring Classes</i> in 1842. He spent time researching the poor in cities and discovered that people living in cities had a lower life expectancy			
Impa work	and clung to the idea of miasma causing cholera	Had successfully developed the first vaccine, which was supported by the government.	they were eventually	than people living in the countryside. Asked for boards of health to be set up to make cities cleaner.			

GCSE History : Medicine in 18th and 19th Century Britain

	GCSE History : Medicine in 18 th and 19 th Century Britain						
What we	are learning this term:	B. Change and continuity in	ideas about disease and illness in the 18 th a	and 19 th Century. (3.1-3.2)			
3.1 Ideas	about the cause of disease and illness	Causes	Prevention	<u>Treatments</u>			
	paches to treatment and prevention ndividuals and fighting cholera in London,	i tongion	Vaccinations – the work of in the 18 th century led to the first vaccination being created for This led the way to other vaccinations being produced	took			
Α.	Can you define these key words?		Public Health Act 1875 – in the 18th Century the	longer to find Hospitals – helped			
microbes vaccination	Any living organism that is too small to see Microbes include Treatment with a vaccine to against a	that was caused by harmful fumes in the air. BUT it was becoming	This changed when more men could vote. The government realised changes were needed and passed the	Nightingale changed the way that hospitals were to having separate wards and more			
generation bacteriolog	The study of		This Act stated that clean, , public parks and street lighting had to be provided	Also set up afor nurses to give better care Anaesthetics – one of the big problems in			
inoculate	Deliberately yourself with a disease to avoid a case later on.	that	Role of the government – Took a more in preventing disease, making smallpox vaccinations	the 18 th and 19 th centuries was during surgery.			
C.	Fighting cholera in London, 1854 (3.3)	, causing people to get ill		Ether and laughing gas had been used but they were			
What is Cholera ?	Cholera was a terrible disease that spread quickly across England from There were lots of cases in dwellings.			John discovered that chloroform could be used as a – this led to more complex surgeries being performed			
Attempts to prevent it	Some steps were taken to clean up the areas of the city. Idea that it was caused bywas widespread, so local councils focused on up the mess in which they were living	Germ Theory – this correct theory put forward by was that germs caused matter to rot. He linked this to and illness, stating that germs		Antiseptics – another big problem with surgery was Joseph built on Pasteur's work and discovered that could be used to prevent infections.			
w	John Snow was who investigated the 1854 epidemic. He created a to show the deaths and noticed they were concentrated around a			Used on wounds and Sterlised , but some surgeons did not like the change			
John Snow	water pump in, SoHo.		D. Key People (3.3)				
Clear the water pump was the source of the outbreak		Edward Jenner	John Snow	Edwin Chadwick			
Impact of Snows work	In the short-term Snow removed the from the Broad Street pump and the deaths in that area Long-term Snow presented his work to the government arguing needed to be supplied. Many his work and clung to the idea of causing cholera	Country doctor who realised that who got did not catch smallpox – decided they must be connected. Tested his by infecting a local boy with cowpor and then tried to infect him with smallpox but he Had successfully developed the first , which was supported by the government.	Used to prove that cholera was a disease in the 1850's. Snow presented his findings to the , recommending that the sewer systems were, which they were eventually.	Published his Report on the Sanitary Conditions of the Labouring Classes in ————————————————————————————————————			





Keywords		What we a	re learning in this unit	В.	The 5 Pillars - Salah
Tawalla	Showing love for God and for those who follow Him	B. Salah	Pillars and 10 Obligatory Acts		
Tabarra	Disassociation with God's enemies	C. Sawm D. Zakah E. Hajj F. Jihad		What is it?	 "Salah is a prescribed duty that has to be performed at the given time by the Qur'an" Muslims pray 5 times per day and this allows them to communicate with Allah.
Khums	The obligation to pay one- fifth of acquired wealth	G. Id-ul-A H. Id-ul-Fi			 The prayers are done at dawn (fajr), afternoon (zuhr), late afternoon (asr), dusk (maghrib) and night (isha) Muslims face the holy city of Makkah when
Lesser jihad	The physical struggle or holy war in defence of	А.	5 Pillars of Islam and 10 obligatory acts		paying.
	Islam	What are the 5	 5 key practices or duties for Muslims Both Sunni and Shi'a keep these (Shi'a have them 	Wuzu	The washing process to purify the mind and body for prayer
Greater jihad	The daily struggle and inner spiritual striving to live as a Muslim	pillars	 as part of the 10 obligations) They are seen as pillars "holding up the religion" and are all of equal importance 		 Muhammad said the key to Salah is cleanliness Hands, arms, nose, mouth, head, neck and ears are cleaned as well as both feet up to the ankle.
Sunni	Muslims who believe in the successorship of Abu Bakr, Umar, Uthman and Ali as leaders after the Prophet Muhammad	What are the 10 obligatory acts	 There are 10 obligations for a Muslim according to the Shi'a branch of Islam. These include prayer, fasting, almsgiving, pilgrimage, jihad, khums, directing others towards good, forbidding evil, tawalla and tabarra 	Rak'ahs and recitations	 These are the movements that Muslims make during prayer Takbir – raise hands to ears and say 'Allahu Akbar' Qiyam – Standing, Muslims recite Surah Then bow to the waist saying "Glory be to my Great Lord and praise be to Him"
Shi'a	Muslims who believe in the Imamah, leadership of Ali	Shahadah	Shahadah is the first of the 5 pillars		 Then sink to their knees saying "Glory be to my Lord, The Most Supreme".
Niyyah	and his descendants Intention during prayer - having the right intention to worship God		 It is the Muslim declaration of faith <i>"there is no God but Allah, and Muhammad is His messenger"</i> This is a statement that Muslims reject anything but Allah as their focus of belief 	Salah at home	 Salah is a big part of family life Meals and other activities are usually scheduled to fit around prayer times Families pray all together and might have a room set aside for prayer
Du'a	A personal prayer that is done in addition to Salah e.g. asking Allah for help		 It also recognises that Muhammad has an important role and his life is an example to follow 	Salah in the mosque	 All mosques have a qiblah wall which is to show where to face Makkah Men and women pray in separate rooms at the Mosque
oppressed by • "Fight in the • Conditions fo • sel • pro • leg		en Prophet Muhammad and early Muslims were being attacked and the Meccans and had no choice but to engage vay of God those who fight against you but do not transgress " declaration f-defense oportionate itimate authority harm to civilians		Jummah	 Jummah is congregational prayer held on a Friday at the mosque where the imam leads the prayer Praying together as a community develops the feeling of unity amongst Muslims Men are obliged to attend unless they are sick or too old Women do not have to go – they may pray at home instead
Greater Jihad • A struggle wit • e.g. perform t		hin oneself to fol the Five Pillars, fo	low the teachings of Islam and be a better person llow Sunnah and avoid temptation forbid what is wrong"	Differences between Sunni and Shi'a	 Shi;a Muslims combine some prayers so they may only pray 3x a day Shi'a use natural elements e.g. clay where their head rests





Keywords		What we ar	re learning in this unit	В.	The 5 Pillars - Salah	
Tawalla			A. The 5 Pillars and 10 Obligatory Acts B. Salah C. Sawm		What is it?	
Tabarra			D. Zakah E. Hajj F. Jihad			
Khums			G. Id-ul-Ad H. Id-ul-Fi			
Lesser jihad			A.	5 Pillars of Islam and 10 obligatory acts	Wuzu	
Greater jihad			What are the 5 pillars		wuzu	
Sunni			What are the 10 obligatory acts		Rak'ahs and recitations	
Shi'a			Shahadah			
Niyyah			Shanadan		Salah at home	
Du'a					Salah in the mosque	
		Jihad				
Lesser Jihad				Jummah		
Greater Jihad	Greater Jihad				Differences between Sunni and Shi'a	





	The 5 Pillars - Zakah		The 5 Pillars - Sawm
The role of giving alms	 Muslims believe it is their duty to ensure Allah's wealth has been distributed equally as everyone is the same The Qur'an commands to give to those in need 	The role of fasting	 Fasting during Ramadan (9th month in Muslim calendar) Muslims give up food, drink, smoking and sexual activity in daylight hours Pregnant people, children under 12, travellers and elderly people are exempt from fasting.
The significance of giving alms	 Giving 2.5% of savings/wealth to charity Wealth can cause greed which is evil, so Zakah purifies wealth – wealth is given by God and must be shared The Prophet Muhammad practiced Zakah as a practice in 	The significance of fasting	 Ramadan is believed to be the month that Prophet Muhammad began to receive revelations of the Qur'an Helps Muslims to become spiritually stronger
	 Medina Given to the poor, needy and travellers Sadaqah is giving from the heart out of generosity and compassion 	Reasons for fasting	 Obeying God and exercising self-discipline Develops empathy for the poor Appreciation of God's gifts Giving thanks for the Qur'an Sharing fellowship and community with other Muslims
Khums	 Shi'a Islam – one of the 10 obligatory acts 20% of any profit earned by Shi'a Muslims paid as a tax Split between charities that support Islamic education and anyone who is in need <i>"know that whatever of a thing you acquire, a fifth of it is for Allah, for the Messenger, for the near relative, and the orphans, the needy, and the wayfarer"</i> 	Night of power	 Sharing fellowship and community with other Muslims The night when the Angel Jibril first appeared to Muhammad and began revealing the Qur'an. The most important event in history – <i>"better than a thousand months"</i> (Surah 97:3) Laylat Al-Qadr is the holiest night of the year. Muslims try to stay awake for the whole night to pray and study for the Qur'an
	The 5 Pillars - Hajj		Id-ul-Adha, Id-ul-Fitr, Ashura
The role of pilgrimage	 A pilgrimage to Makkah which is compulsory for Muslims to take at least once as long as they can afford it and are healthy 	Id-ul-Adha Not an official holiday in UK	 Festival of sacrifice Marks the end of Hajj and is a chance for whole Ummah to celebrate Origins – Ibrahim's commitment to God in being willing to sacrifice his son, Ishmael. God was testing Ibrahim
The significance of pilgrimage	 God told Ibrahim to take his wife and son on a journey and leave them without food or water Hajira ran up and down two hills in search of water, could 		 <i>Key events</i> – new clothes, sacrificing an animal, visiting the Mosque. People ask a butcher to slaughter a sheep for them and share the meat with the community
	 not find any and prayed to God. Then water sprung from the ground. This is the Zamzam well When Ibrahim returned he was commanded to build the Ka'ba as a shrine dedicated to Allah Hajj is performed in the month of Dhu'l-Hijja 	Id-ul-Fitr Public holiday in Muslim majority countries, not UK	 Festival of fast-breaking Marks the end of Ramadan Key events – Decorate homes with colourful light and banners, dress in new clothes, gather in Mosques, give gifts and money, give to the poor Zakah ul-Fitr – donation to the poor so that everyone can eat a generous
Actions	 Ihram – dressing in two pieces of white cloth Circling the Ka'aba 7 times (tawaf) Drinking water from the Zamzam well like Hajar walking between Al-Safa and Al-Marwa hills seven times Throwing stones at 3 pillars (jamarat) to represent casting out the devil and remembering Ibrahim throwing stones at the devil to drive him away Asking Allah for forgiveness at Mt Arafat Collecting pebbles at Muzdalifah 	Ashura	 meal at the end of Ramadan. Sunni celebration – many fast on this day which was established by Prophet Muhammad Shi'a mourning – Husayn was murdered and beheaded. Muslims remember his death and betrayal <i>Key events</i> – public displays of grief, day of sorrow, wear black, re- enactments of martyrdom, not a public holiday in Britain but Muslims may have day off school



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	The 5 Pillars - Zakah		The 5 Pillars - Sawm
The role of giving		The role of fasting	
alms			
The significance of		The significance of	
giving alms		fasting	
		U U	
		Reasons for fasting	
		Ŭ	
Khums			
		Night of power	
			ld yl Adha Id yl Fitr Achura
	The 5 Pillars - Hajj		Id-ul-Adha, Id-ul-Fitr, Ashura
	The 5 Pillars - Hajj		Id-ul-Adha, Id-ul-Fitr, Ashura
	The 5 Pillars - Hajj	ld-ul-Adba	Id-ul-Adha, Id-ul-Fitr, Ashura
The role of	The 5 Pillars - Hajj	Id-ul-Adha	Id-ul-Adha, Id-ul-Fitr, Ashura
The role of pilgrimage	The 5 Pillars - Hajj	Not an official holiday in	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage	The 5 Pillars - Hajj		Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of	The 5 Pillars - Hajj	Not an official holiday in	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage	The 5 Pillars - Hajj	Not an official holiday in UK	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of	The 5 Pillars - Hajj	Not an official holiday in	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of	The 5 Pillars - Hajj	Not an official holiday in UK Id-ul-Fitr	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of	The 5 Pillars - Hajj	Not an official holiday in UK	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of pilgrimage	The 5 Pillars - Hajj	Not an official holiday in UK Id-ul-Fitr	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of	The 5 Pillars - Hajj	Not an official holiday in UK Id-ul-Fitr Public holiday in Muslim majority countries, not UK	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of pilgrimage	The 5 Pillars - Hajj	Not an official holiday in UK Id-ul-Fitr	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of pilgrimage	The 5 Pillars - Hajj	Not an official holiday in UK Id-ul-Fitr Public holiday in Muslim majority countries, not UK	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of pilgrimage	The 5 Pillars - Hajj	Not an official holiday in UK Id-ul-Fitr Public holiday in Muslim majority countries, not UK	Id-ul-Adha, Id-ul-Fitr, Ashura
pilgrimage The significance of pilgrimage	The 5 Pillars - Hajj	Not an official holiday in UK Id-ul-Fitr Public holiday in Muslim majority countries, not UK	Id-ul-Adha, Id-ul-Fitr, Ashura

Year 10 Spanish Knowledge Organiser Term 3

This is some of the vocabulary that you will learn / come across in **Term 3**. Use this knowledge organiser to revise / go over vocabulary. These words have been added in by the exam board (Edexcel) so the more you learn, the better your grade!





Techniques for learning vocab:

 Look / cover / write / check – ask your teacher for a sheet and to show you how.

ESPANOLS

- Mind maps
- Post it notes / flash cards
- Record yourself saying them
- Get a family member to quiz you they say the English, you say the Spanish
- Write the word in a sentence put it into context

Spare copies of this kept in class. Just ask your teacher if you need one.

¡Qué rico! (pages 80–81):			
Para	For	Están hechos/as con	They are made with
el desayuno / la comida la merienda / la cena	breakfast / lunch afternoon snack / dinner	Consiste(n) en verdura/carne/*pollo pescado/arroz	It consists / They consist of vegetables/meat/chicken fish/rice
una comida típica	a typical meal		
un plato popular	a popular dish	¿Qué comida o bebida te gustaría probar?	What food or drink would you like to try?
¿De qué país es cada plato?	What country is each dish from?	Me gustaría probar (la paella).	I would like to try (paella).
El/La es de	is from	¿Por qué te gustaría	Why would you like to try it/
Los/Las son de México / España / Perú Chile / Argentina / Cuba	are from Mexico / Spain / Peru Chile / Argentina / Cuba	probarlo/la/los/las? Porque parece/suena rico/a	them? Because it looks/sounds tasty
argentino/a / chileno/a colombiano/a / cubano/a español(a) / inglés/inglesa mexicano/a / peruano/a	Argentinian / Chilean Colombian / Cuban Spanish / English Mexican / Peruvian	me gusta(n) es (muy) sano/a. tiene muchos beneficios para la salud.	I like it is (very) healthy.
venezolano/a	Venezuelan	¡A comer!	Let's eat!
¿En qué consiste(n)? Está hecho/a con	What is it / are they made of? It is made with	¡Buen provecho!	Enjoy your meal!

¿Llevas una vida sana? (pages 82–83):

¿Cómo es tu *rutina? Por la mañana/tarde/noche ... Durante el día/la semana ... At the weekend ... El fin de semana ... Los domingos ... On Sundays ... todos los días / fines de semana every day / weekend algunos días / fines de semana some days/weekends Primero / Luego ... Finalmente... Finally ... Antes de / Después de ... Before / After ... hacer los deberes doing homework levantarme / vestirme

terminar las clases tomar el desayuno volver a casa / acostarme

¿Qué costumbres sanas tienes? Duermo (bien) / *entreno

What is your routine like? In the morning/afternoon/night ... During the day/week ...

First / Later/Afterwards ... getting up / getting dressed finishing classes having breakfast returning home / going to bed

What healthy habits do you have? Isleep (well) / I train

Hago diez minutos de ejercicio. I do ten minutes of exercise. Llevo una botella de agua. Me levanto / Me acuesto ... a las ... / a la misma hora

tarde / temprano Tomo un descanso / Me relajo Suelo comer / hacer *meditación

Tengo / Tienes / Tiene ... sed/hambre sueño/calor

¿Tienes costumbres malsanas? Si tengo hambre/sed, ... tomo / como / bebo ... mucha agua. algunos/muchos *dulces. algunas/muchas verduras. chocolate/fruta/pasta.

I carry a bottle of water. I get up / I go to bed ... at ... (o'clock) / at the same time late / early I have a rest / I relax I usually eat / do meditation

I am / you are / he/she is ... thirsty/hungry sleepy/hot

Do you have any unhealthy habits? If I'm hungry/thirsty, ... I have / eat / drink ... lots of water. some/lots of sweets. some/lots of vegetables. chocolate/fruit/pasta.

¿Somos lo que comemos? (pages 84-85):

¿A qué hora tomas el desayuno/almuerzo?	What time do you have breakfast/lunch?
la merienda/cena?	afternoon snack/dinner
Normalmente/Generalmente	Normally/Generally
lo/la tomo	I have it
entre las y las	between and
A veces como a las	Sometimes I eat at
¿Te gustaría probarlos/las?	Would you like to try the
Te recomiendo	I recommend
Hay que probar	You have to try
Es un postre / una bebida	It is a dessert/drink.
rico/a / típico/a.	tasty/typical
Me gustaría probarlo/la/	I would like to try it/them
probarlos/las	
porque parece/suena	because it looks/sounds
1	

porque parecen/suenan ...

2

em?

S ... because they look/sound ...

¿Cómo es tu dieta?

(No) Tengo una dieta sana porque ...

> soy vegano/a / vegetariano/a como comida sana/malsana como demasiados *dulces/ pasteles

¿Qué hay que hacer para tener una dieta sana? Hay que / Se necesita ... Hace falta ...

comer una dieta equilibrada tener **cuidado** con la cantidad de azúcar que tomas

What is your diet like?

I (don't) have a healthy diet because ...

> I am vegan / vegetarian I eat healthy/unhealthy food I eat too many sweets/cakes

What do you have to do to have a healthy diet? You have to / need to ... It is necessary to ... eat a balanced diet be careful with the amount of sugar you have

¡Los tiempos cambian! (pages 86-87):

¿Cómo eras antes? What were you like before? Cuando era pequeño/a ... When I was little Cuando era más joven ... Antes / Cuando tenía ... años, ... dormía bien/mal me levantaba / **me acostaba** ... temprano/pronto / tarde early / late (no) era muy activo/a. (no) tenía ... (mucha) energía una vida sana (nunca) iba al gimnasio ¿Qué te gustaba comer y beber? drink? Solía comer / beber ... (No) Comía ... Bebía demasiado café. Me encantaban los postres. I loved desserts. Me gustaba comer *dulces. ¿Qué hacías en tu tiempo

When I was younger ... Before / When I was ... years old, ... I slept well/badly I got up / I went to bed ... I was (not) very active. I had / I didn't have ... (lots of) energy a healthy life I (never) went to the gym What did you like to eat and I usually ate / drank

late / I didn't eat ... I drank too much coffee. I liked eating sweets.

What did you do in your free libre cuando eras pequeño/a? time when you were little?

(No) Hacía (mucho/suficiente) I did / didn't do (lots of/enough) ejercicio/deporte. exercise/sports. (No) Iba a la piscina (tres veces I went / didn't go to the pool a la semana). (three times a week). (No) Montaba en *bici (cada día). I rode / didn't ride my bike (every day). I played / didn't play ...

(No) Jugaba ...

(Siempre) Estaba cansado/a y enfermo/a.

¿Cómo es tu *rutina ahora? What is your routine like now? Cuido más mi dieta.

¿Cómo eres ahora? Me siento mucho mejor. Soy bastante activo/a. No / Ya no ... hago (mucho) ejercicio/ deporte hago nada para mantenerme en forma me levanto temprano como antes ¿Qué te gusta comer y

beher? (No) Como comida rápida/ malsana.

(Yano) Bebo/Como ... Prefiero las bebidas con azúcar. I prefer sugary drinks. Me gusta comer comida sana.

¿Qué haces en tu tiempo libre? (No) Hago ejercicio/deporte. (No) Voy al gimnasio/cine. (No) Juego a *los videojuegos. I feel a lot better. I am quite active. I don't / no longer ... do (lots of) exercise/sports do anything to stay in shape get up early like before

What do you like to eat and drink? I (don't) eat fast/unhealthy food.

I (no longer) eat/drink ... I like to eat healthy food.

What do you do in your free time? I (don't) do exercise/sports. I (don't) go to the gym/cinema. I (don't) play videogames.

I was (always) tired and sick.

I look after my diet more.

What are you like now?

¡Qué mal estoy! (pages 88-	89):		
¿Qué te pasa?	What's the matter with you?	la pierna/ piel	leg/skin
Me / te / le duele(n) el brazo / el estomago el pie / la boca / la mano la cabeza / la espalda la garganta / la nariz la rodilla / la pierna	My / your / his/her hurt(s) arm / stomach foot / mouth / hand head / back throat / nose knee / leg	¿Desde cuándo estás así? desde (ayer) desde hace una hora / más de (dos días)	Since when have you been like this? since (yesterday) for an hour / more than (two days)
los oídos / los ojos / los dedo los dientes / (todo) el cuerpo Estoy (muy) enfermo/a. Me siento (muy) mal. No me siento bien porque	s ears/eyes/fingers	Debes / Necesitas Tienes que quedarte en la cama / en caso descansar/dormir comprar medicinas (en la	You must / You need to You have to stay in bed / at home rest/sleep buy medicine (at the
tengo fiebre / dolor de cabeza una herida Ayer / La semana pasada me rompí / me corté me quemé	I have a fever / a headache an injury Yesterday / Last week I broke my / I cut my I burned my	farmacia) evitar el sol recuperarte/relajarte ir al médico/hospital Voy a pedir cita con el médico.	chemist's) avoid the sun recover/relax go to the doctor's/hospital I am going to ask for a doctor's appointment.

Mi salud, de la cabeza a los pies (pages 90–91):

in butul, ac ta cabera a too pico ((pages se se).		
¿Cómo cambiarás tu estilo How de vida? Life	v will you change your festyle?	¿Qué harás para mejorar tu salud en el futuro?	What will you do to improve your health in the future?
Si dejo de comer/beber/fumar, If I st	,	Para cambiar esta mala	To change this bad habit,
		costumbre,	
•	leep (at least eight hours),	Para mejorar mi dieta/salud	To improve my diet/health
horas),		dormiré más tiempo / beberé	I will sleep longer / I will drink
	ractise more sport,	agua	water
	ave (a more active life),	no usaré el móvil (después de	
me sentiré más feliz / v	will be happier	las nueve)	nine o'clock)
mi salud física/mental m	ny physical/mental health	iré (al gimnasio)	I will go (to the gym)
mejorará	will improve	evitaré beber alcohol y fumar	5
dormiré mejor / v	will sleep better		and smoking
me levantaré con más energía / v	will wake up with more	empezaré a practicar deporte	I will start practising sport
	energy		

Year 10 Computer Science – Term 1 Answers

Α.	Terms		What we	are learning this term:	С.	C. Flowchart Symbol			
Abstrac	ction	The process of removing all unnecessary details from a problem.	A. Terms B. Common Algorithms C. Flowcharts D. Data Types			Syr	nbol	Usage	Symbol Name
Algorith	hm	The sequence of steps required to carry out a specific task.	В.	Common Algorithms	Worked Example			The start or end of the	Terminator
Assign	Assignment Setting the value of a variable in a computer program.		Binary Search	Search middle point of a sorted list. If they are not equal, the half in which the target	2,5,6 searching for 6 Midpoint 5 5 < 6, remove left side of list 2,5,6			An action	Process
Data		Units of information which are acted upon by instructions.	continues on the remaining half, again taking the middle point to compare toMidpoint 6 6 == 6		Midpoint 6 6 == 6			which occurs during the algorithm.	
Decom	position	Breaking down a problem into smaller steps that are easier to work with and solve.	Bubble Sort	reached. Sorts a list by continuously stepping through a list, swapping items until they appear in the correct order.	5,1,3 1.5 ,3 1, 3.5 1 st pass complete		/	Data is either inputted to or outputted from the algorithm.	Input/ Output
Flowch	art	A diagram which shows the step-by-step flow of an algorithm.			1.3 ,5 1, 3.5 2 nd pass complete - sorted			A Yes/No,	Decision
nput		Data which is inserted into a system to be processed or stored.	Linear Search	Compares the search object with each item in the list in order from the	2,6,5 searching for 6 2 != 6 2,6,5 6==6 Item found			True/False decision.	
Output		Data which is sent out of a system.		beginning until it is found or the end is reached.					
Proces	s	An action taken by the program without input				D.	Data Ty Boolean	pes TRUE/FALSE or	Example TRUE or 1
		from the user.	Marga	Costs a list by concetedly dividing a list	542			1/0	
Pseudo	ocode	A method of writing an algorithm using plain English.	Merge Sort	Sorts a list by repeatedly dividing a list into two until all the elements are separated individually. Pairs of elements are then compared, placed into order	5,1,3 5,1 3 Break list into sublists 5 1 3 Until sublists contain 1 # 1,5 3 Merge pairs	C	haracter	A single, alphanumeric character.	1 or A or !
Variable	е	A memory location	and combined. The process is then repeated until the list is recompiled in	1,3,5 Until all sublists merged		Integer	Whole numbers	15	
		within a computer where values are stored.		the correct order as a whole.			String	One or more alphanumeric characters.	1A!
					I		eal/Float	Decimal numbers	15.5

Year 10 Computer Science – Term 1

A. Terms		What we are learning this term:		C.	C. Flowchart Symbol				
Abstraction		A. Terms B. Common Algorithms C. Flowcharts D. Data Types		Sym	ibol	Usage	Symbol Name		
Algorith	าฑ		B.	Common Algorithms	Worked Example				
Assign	ment			-					
			Binary Search		2,5,6 searching for 6				
Data									
Decom	position								
Flowch	art		Bubble Sort		5,1,3				
Input									
Output									
			Linear Search		2,6,5 searching for 6				
Proces	S								
						D.	Data Types	;	Example
			Merge Sort		5,1,3	Bo	olean		
Pseudo	code		3011				aracter		
Variable	e						iteger		
						s	string		
						Rea	al/Float		

3. Putting a Business Idea into Practice

17. Business	Aims &	Objectives
--------------	--------	------------

Which Objective?	Explanation of Objective
Specific	Businesses set very specific targets that are very clear and to the point
Measurable	Businesses set measurable targets that can be measured. For example: Business set themselves specific sales targets over a set period.
Achievable	Businesses set realistic targets that are ambitious yet achievable.
Realistic	Businesses set realistic targets that will motivate employees at the same time they will be achievable
Time- Bound	Businesses set their targets over <u>a period of time</u> as this creates a sense of excitement and urgency.

18. Aims and Objectives in Business

Objectives

Businesses have both financial and non-financial aims		
Type of Objectives	Explanation	
Financial Objectives	Profit. Sales. Market Share. Reduce costs.	
Non-Financial Objectives	Social objectives. Independence. Control.	

19. Business Revenue, Costs & Profits		
Term	Definition	
Fixed Costs	Costs that don't vary just because output varies for example 'rent'.	
Profit	The difference between revenue and total costs; if the	
(gross/net)	figure is negative the business is making a loss	
Revenue	The total value of the sales made within a set period, such as a month.	
Total Costs	All the costs for a set period, such as a month	
Variable Costs	Costs that vary as output varies such as raw materials	

20. Business Revenue, Costs & Profits		
Term	Formulae	
Sales Revenue	Price x Quantity Sold	
Total Costs	Variable costs + Fixed Costs	
(Gross) Profit	Total Revenue – Total Costs	

21. Breaking Even		
Term	Definition	
Break - Even	The level of sales at which total costs are equal to total revenue. At this point the business is making neither a profit nor a loss.	
Break-even Chart	A graph showing a company's revenue and total costs at all possible levels of output	
Margin of Safety	The amount by which demand can fall before the business starts making losses	

GCSE Business. Paper 1.

3. Putting a Business Idea into Practice

17. Business Aims & Objectives

Achievable

Realistic

Financial Objectives

Non-Financial Objectives

Time- Bound

Businesspeople like to use the term SMART objectives		
Which Objective?		
Specific		
Measurable		

19. Business Revenue, Costs & Profits		
Term	Definition	
Fixed Costs		
Profit		
(gross/net)		
Revenue		
Total Costs		
Variable Costs		

20. Business Revenue, Costs & Profits		
Term	Formulae	
Sales Revenue		
Total Costs		
(Gross) Profit		

20. Business Revenue, Costs & Profits	
Term	Formulae
Sales Revenue	
Total Costs	
(Gross) Profit	

Businesses have both financial and non-financial		
Type of Objectives	Explanation	

1 •		
ıl aims	21. Bre	aking Even
	Term	Definition
	Break - Even	
	Break-even Chart	t
	Margin of Safety	

18. Aims and Objectives in Business

22. The Importance of Cash	
Question	Answer
Why does Cash matter to a	Cash matters because, without it, bills go unpaid and
Business?	a business can fail. If you have no cash, you can't pay suppliers or employees.
Why is cash important to a	Cash is required to pay suppliers, employees or other
business?	costs. Typical overheads include:
	Salaries/ Rent and Rates/ Utilities and Bills
What is the difference	Cash flow shows the immediate impact of a
between cash and profit?	transaction on a company's bank account; profit
	shows the longer-term impact after costs have been
	taken into account.

23. The Importance of Cash (definitions)	
Term	Definition
Cash	The money the firm holds in notes and coins, and in its bank accounts
Cash Flows	The movement of money into and out of the firm's bank account.
Insolvency	When a business lacks the ability to pay its debts
Overdraft	A short-term form of credit. A bank will allow a business to spend more money than it actually has.
Overdraft Facility	An agreed maximum level of overdraft

25. Short Term Sources of Finance					
Term	Definition				
Bank	If a company requires some short term finance they can negotiate to				
Overdraft	extend their overdraft facility with the bank				
Trade Credit	When a supplier provides goods without immediate payment – This				
	gives the business time to sell products in order to pay off the debt.				

24. Cash Flow Forecasts							
Cash flow forecasting means predicting the future flows of cash into and out of a Business.							
Successful cash flow forecasts require:							
Accurate prediction of monthly sales							
 Accurate predictions of when customers will pay for the goods they have bought 							
Careful allowance of operating costs and the timing of payments							
Careful allowance for in flows and outflows of cash							
Key Term Definition							
Opening Balance	The amount of cash in the bank at the start of the month						
Net Cash Flow	Cash inflow minus cash outflow over the course of a month						
Negative Cash Flow	When cash outflows are greater than cash inflows						
Closing Balance	The amount of cash left in the bank at the end of the month						

26. Long Term Sources of Finance						
Term	Definition					
Crowdfunding	Raising Capital online from many small investors (but not through the stock market.					
Share Capital	Raising finance by selling a share of the business, Shareholders have the right to question the directors and take profit out the firm.					
Venture Capital	A combination of share capital and loan capital, provided by an investor.					
Retained Profit	Profit kept within the Business that is used for business growth.					

22. The Importance of Cash		24. Cash Flow Forecasts					
Question	Answer	Cash flow forecasting means predicting the future flows of cash into and our					
Why does Cash matter to a		of a Business.					
Business?		Successful cash flow forecasts require:					
Why is cash important to a		Accurate prediction of monthly sales					
business?		 Accurate predictions of when customers will pay for the goods they hav bought 					
		Careful allowance of operating costs and the timing of payments					
What is the difference				for <u>in flows</u> and outflows of cash			
between cash and profit?		Key Term	De	finition			
		Opening Balance					
		26. Long Term Sources of Finance					
23. The Importanc	e of Cash (definitions)	Term	Definitio	n			
Term	Definition	Crowdfunding					
Cash							
		Share Capital					
Cash Flows							
		Venture Capital					
Insolvency							
Overdraft		Retained Profit					
Overdraft Facility]					

25. Short Term Sources of Finance					
Term	Definition				
Bank Overdraft					
Trade Credit					

Year 10 PRODUCT DESIGN Term 3										
A. Physical & Working Properties		What we are learning this term:						E.	6 R's	-@-
Physical properties are the traits a material has before it is used.		A. Physical & Working Properties B. Forces & Stressors C. Types of Motion D. Paper & Card/Boards E. 6 R's F. Natural & Manufactured Timbers					You can use the 6R's when designing to help reduce the impact that new products have on the environment.			
Absorbency	Ability to soak up moisture, light or heat	B. Forces and Stressors		C.	Types of	Motions	Repair It's be		tter to fix things instead of	
Density	How solid a material is			s to objects, causing nange shape.	Linea		Moves something in a straight line. E.g. a	Reuse	20	ng them away. an extend a products life by
Fusibility			Different materials can withstand different				train moving down a track	Reuse		ng it on or using it again.
all of	heated and joined to another material when cooled	forces.	Is a stretching or	Reciprocating		Has a repeated up and down motion or	Recycl		ses less energy than ing new materials.	
Electrical Conductivity	Ability to conduct	$\leftarrow \square \rightarrow$		pulling force. E.g. the ropes of a suspension bridge		\rightarrow	back-and-forth motion. E.g a piston or pump	Rethin ¢	-	hould think about your n carefully. Is it needed?
Thermal	Ability to conduct heat	Compression		Is a pushing or squashing force,	Rotary	ר <i>ב</i> '	Is where something moves around an		S	g long-lasting durable cts. Think rechargeable!
Conductivity () Working properties are how a material behaves when it is manipulated.		→) (+ 1		e.g. the weight of a building on its foundation	Oscillating	ating	axis or pivot point. E.g a wheel Has a curved	Refuse	you th	an refuse to buy a product if ink it is wasteful. Such as bags.
Strength A	Ability of a material to withstand compression,			Is a combination of tension and		T f	backwards and forwards movement	F.	F. Natural & Manufactured Timbers	
	tension and shear	(\$A	compression.	ĸ	0	that wings on an axis or pivot point. E.g a	Natural timber comes		es from trees.
Hardness	Ability to withstand impact without damage	75		It exerts tension on one side and compression on the other,			swing or clock pendulum	Hardwood		Softwood
Toughnood	Materials that are hard				D. Paper & Card/Boar		ard/Boards	Ash		Larch
Toughness	 to break or snap are 			e.g. bending anything	Paper and cards/boards both come from			Beech		Pine
A	tough & can absorb shock	Shear	Is a cutting force. The opposing forces are not directly opposite each other, e.g. cutting paper with scissors.	wood pulp.			Mahogany		Spruce	
Malleability	Being able to bend or			Paper		Board	Oak		Softwoods are faster growing and cheaper to buy.	
Ē	shape easily would make a material easily			Cartridge Paper		Corrugated Card	Balsa			
	malleable			Grid Paper		Duplex Board	Manufactured Boards			
Ductility	Materials that can be	Torsion		Is a twisting force that attempts to rotate two	Layout Paper		Foil-Lined Board	Manufactured boards are usually made from natural timber waste and adhesive.		
	stretched are ductile		TITA	ends of a material in opposite directions,	Tracing Paper		Foam Core Board	Medium-density fibreboard (MDF)		
Elasticity	Ability to be stretched and then return to its		e.g. wringing out a wet cloth.	Corrugated Card		Inkjet Card	Plywood			
No.	original shape					Solid White Board	Chipboard			

₩.			Year 10 PRODUC	T DESI	GN Term		₩.		
A. Physical a	& Working Properties	What we are learn	ing this term:	E.	6 R's	-@-			
Physical properties	are		orking Properties B. Force oards E. 6 R's F. Natura				reduce		s when designing to help at new products have on
Absorbency		B. Forces and		C.	Types of	Motions	Repair	*	
#	How solid a material is	Forces apply them to	to objects, causing or	Linea	r →			You ca	n extend a products life by
Fusibility		forces.	can withstand different	•	→	Has a repeated up and down motion or	Recycl		g it on or using it again.
		Tension ← ◯ →			\leq	back-and-forth motion. E.g		You sh	ould think about your carefully. Is it needed?
4	Ability to conduct electricity			Rotar	v		Reduc	= /	carefully. Is it needed?
Thermal Conductivity	Ability to conduct heat		Is a pushing or squashing force, e.g		רי <u>ז</u>				n refuse to buy a product if
Working properties	are	→)/(+				Has a curved	(k it is wasteful. Such as bags.
Strength –		Bending			J	backwards and forwards movement that wings on an axis	F.		Nanufactured Timbers
		A				or pivot point. E.g	oint. E.g Natura		s from
\bigcirc	The ability to withstand impact with damage	TD					Hardw Ash	000	Softwood
Toughness				D.	Paper & Ca	rd/Boards			Pine
R			Is a cutting force.	Paper	and cards/b	oards both come from	Mahog	any	
	Being able to bend or		The opposing forces are not directly	Paper	r	Board			Softwoods are
£	shape easily would make a material easily		opposite each other, e.g	Cartri	dge Paper		Balsa		
	malleable					Duplex Board		actured Boar	
Ductility		Torsion		Layou	t Paper		Manufa	actured boards	are usually made from
		TITT				Foam Core Board			
Elasticity	Ability to be stretched and then return to its	*		Corru	gated Card		Plywoo	d	
N N	original shape					Solid White Board			

Film Music

Area of study 3 - Edugas GCSE Music

Some film SOUNDTRACKS include specially composed SCORES, either for orchestra (e.g. composers like John Williams, Ennio Morricone) or songs written especially for the film (e.g. Disney films). Other films use pre-existing music e.g. popular songs from the era/place in which the film is set.

STRINGS

- Flute Violin . Clarinet Cello . Viola Oboe Double bass . Bassoon Saxophone Harp . **KEYBOARDS** BRASS Piano Trumpet
 - Trombone
 - French horn
- Tuba
- PERCUSSION Bass drum
 - Snare drum
- Triangle
- Cymbal
- Drum kit (untuned)
- Timpani
- Glockenspiel
- **Xylophone** (tuned)

Musical elements

Film composers use the MUSICAL ELEMENTS (tempo, texture, dynamics, timbre, tonality, rhythm, melody, harmony) to create mood and atmosphere to help to tell the story and enhance the action.

For example:

In a sad, reflective scene, a composer might use slow tempo, minor tonality, soft dynamics, legato, homophonic texture, long sustained notes, and a conjunct melody.

An exciting car chase scene in a thriller might have a fast tempo, busy, polyphonic texture, dissonant chords, loud dynamics, syncopated rhythms, a disjunct melody and short riffs.

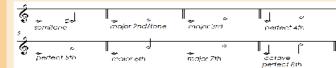
A scene where the superhero 'saves the day' might use a major tonality, brass fanfares, loud dynamics, accents, 4ths and 5ths (intervals).

Composers will often use CONTRASTS to create effect (e.g. using a wide range of pitch from very high to very low).

Intervals

Film composers often use intervals to create a particular effect (e.g. a rising perfect 4th sounds 'heroic', and a semitone can sound 'menacing').

An interval is the distance between two notes.



Rising interval: moving upwards (ascending) Falling interval: moving downwards (descending)

Specific instrumental terms

Pizzicato	Plucking the strings.
Divisi	Two parts sharing the same musical line.
Double stopping	Playing two strings at the same time.
Arco	Using a bow to play a stringed instrument.
Tremolo	A 'trembling' effect, moving rapidly on the same note or between two chords (e.g. using the bow rapidly back and forth).
Tongued	A technique to make the notes sound separated (woodwind/brass).
Slurred	Notes are played smoothly.
Muted	Using a mute to change/dampen the sound (brass/strings).
Drum roll	Notes/beats in rapid succession.
Glissando	A rapid glide over the notes.
Trill	Alternating rapidly between two notes.
Vibrato	Making the notes 'wobble' up and down for expression.

edu

Composers also use:

Theme The main tune/melody. Motif A short musical idea (melodic or rhythmic). Leitmotif A recurring musical idea linked to a character/object or place (e.g. Darth Vader's motif in Star Wars). Underscoring Music playing underneath the dialogue. Scalic Melody follows the notes of a scale. Triadic Melody moves around the notes of a triad. Fanfare Short tune often played by brass instruments, to announce someone/something important; based on the pitches of a chord. Pedal note A long, sustained note, usually in the bass/ lower notes. Ostinato/riff A short, repeated pattern. Conjunct The melody moves with leaps/intervals. Disjunct The melody moves dideler. Dissonant harmony Sounds 'good' together. Dissonant harmony Sounds 'glashy'. Chromatic harmony A style of music using repetition of short in the home key.		
Leitmotif A recurring musical idea linked to a character/object or place (e.g. Darth Vader's motif in Star Wars). Underscoring Music playing underneath the dialogue. Scalic Melody follows the notes of a scale. Triadic Melody moves around the notes of a triad. Fanfare Short tune often played by brass instruments, to announce someone/something important; based on the pitches of a chord. Pedal note A long, sustained note, usually in the bass/ lower notes. Ostinato/riff A short, repeated pattern. Conjunct The melody moves with leaps/intervals. Disjunct The melody moves with leaps/intervals. Consonant harmony Sounds 'good' together. Dissonant harmony Uses lots of semitones/accidentals that's not in the home key. Minimalism A style of music using repetition of short	Theme	
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Chromatic harmony Uses lots of semitones/accidentals that's not in the home key. Minimalism A style of music using repetition of short	Consonant harmony	Sounds 'good' together.
in the home key. Minimalism A style of music using repetition of short	Dissonant harmony	Sounds 'clashy'.
	Chromatic harmony	
prirases which change gradually over time.	Minimalism	A style of music using repetition of short phrases which change gradually over time.

. Organ • Synthesizer

WOODWIND

OTHER •

- Electric guitar Bass guitar
- Spanish/
- classical guitar
- Traditional

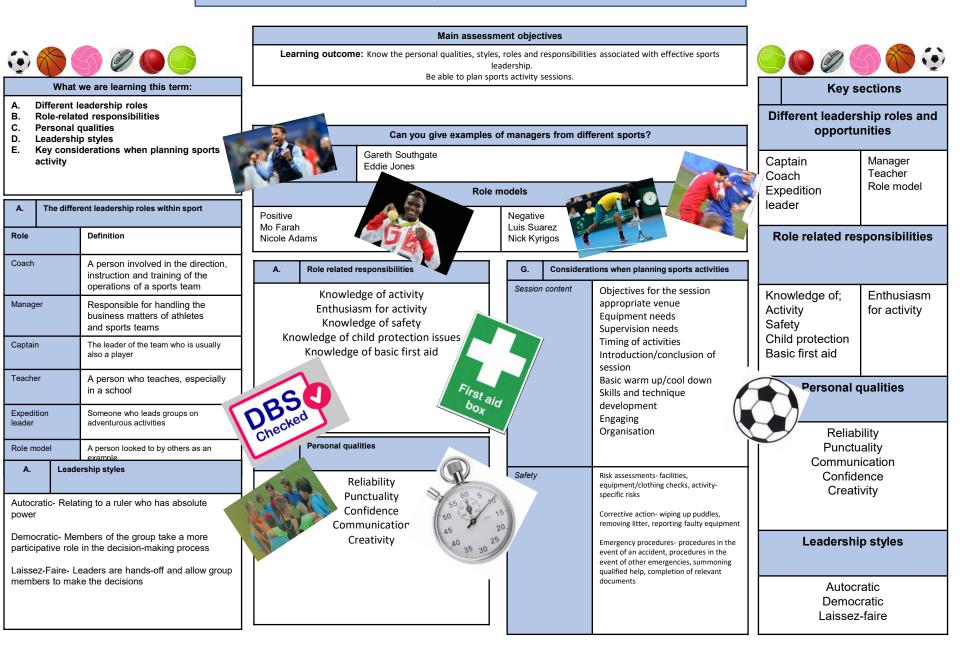
Electronic

keyboard

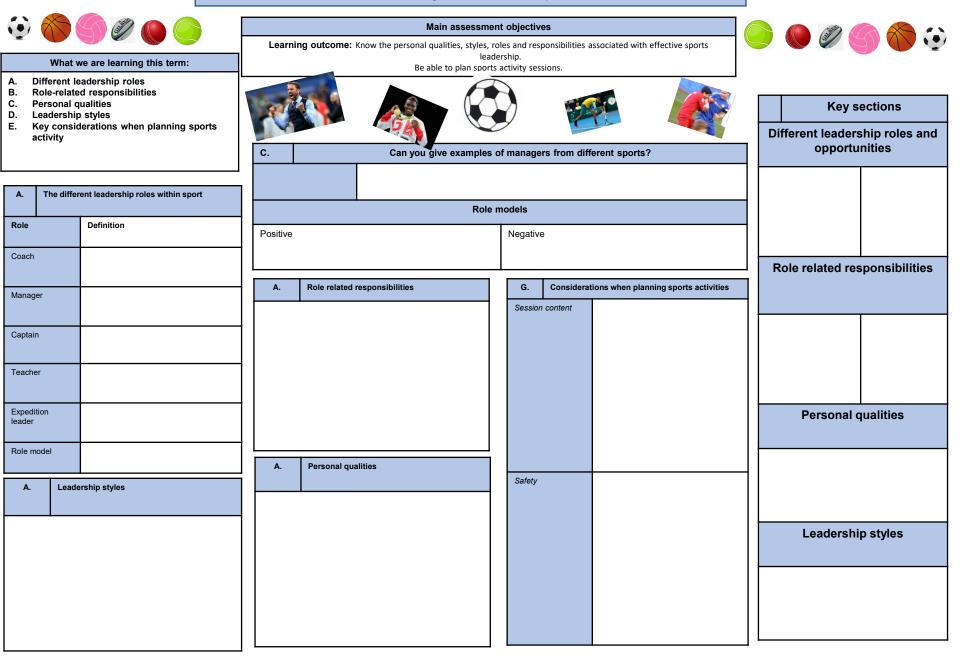
Harpsichord

world instruments

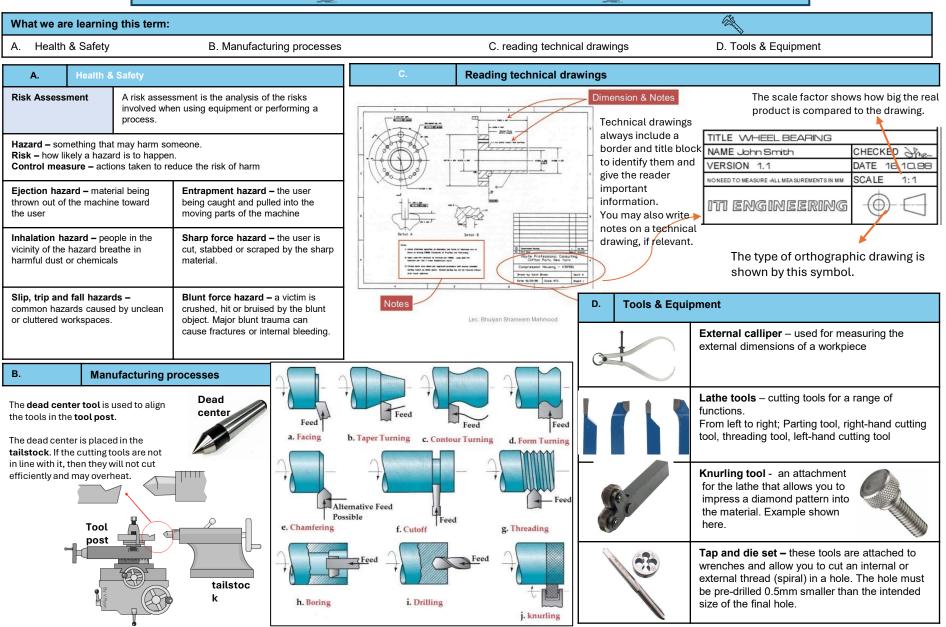
Question	Answer	Question	Answer
What is a Theme in film music?		What does the word Interval mean?	
Define Pizzicato		A Texture is typically used for a sad scene	Polyphonic Monophonic Homophonic
What is Minimalism?		A Major tonality is used for what kind of scene?	
How does a Rising Perfect 4th sound?		What is a Trill ?	
Define Ostinato		The term for a piece of music written for a film is a	Score Soundtrack
What Dynamics could be used in a car chase scene?	pp p f ff mp mf	What is a Falling interval?	
Circle the correct definition for Conjunct	 The melody moves in leaps The melody moves in steps The melody moves in octaves The melody repeats the same 3 notes 	List 3 film composers	
What is Vibrato?		If notes are Slurred they are played?	Short and snappy Smoothly
What do composers use to create effect? Circle the correct answer	Contrast Brass Fanfares Dynamics	What interval is an Octave?	Perfect 4 th Major 2 nd Minor 2 nd Perfect 8 th
What is the term for a theme that is repeated throughout a film?		What does <mark>Scalic</mark> mean?	



Year 10 Cambridge National- Leadership- Term 3

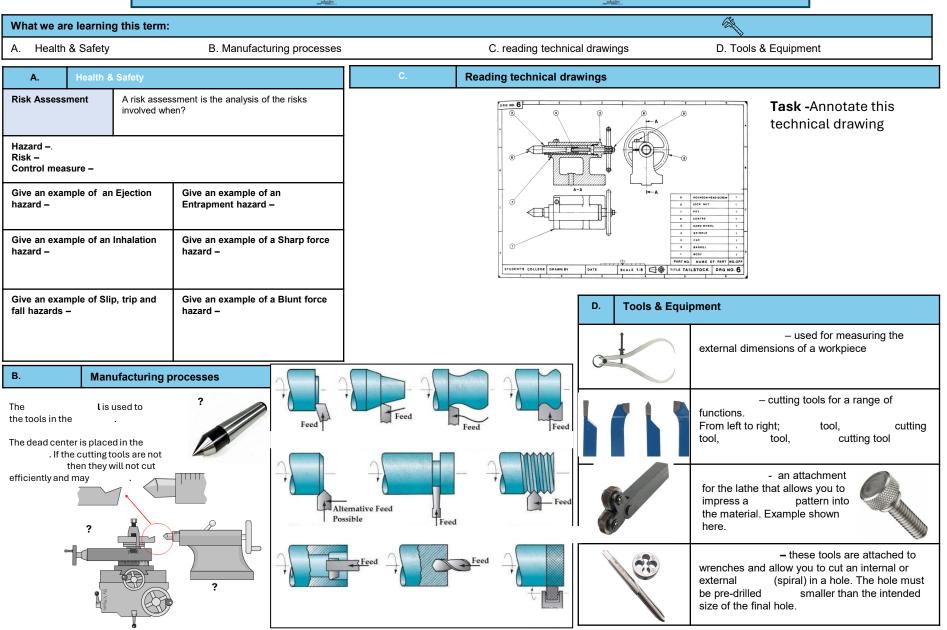








<u>B</u>



Year 10 BTEC Health and Social Care- Component 1: Human Lifespan Development. LAA

What we are lear									
A. Key words		В	What are the n	nain life stages?	С	development (PIES)?			
B. What are the C. What are the	main life stages 4 areas of growth and	Age Group	Life Stage	Developmental Characteristics and Progress	Physi				
development D. How do Huma	(PIES)? ans develop physically (P)?	0-2 years	Infancy	Sill dependent on parents but growing quickly and developing physical skills.	Devel	opment	P = growth patterns and changes in the mobility of the large and small muscles in the body that		
A. Key words f	or this Unit	3-8	Early	Becoming increasingly independent,	ן ו <u>ו</u>	Ľ [′]	happen throughout life.		
Characteristics	Something that is typical of people at a particular life stage.	years	Childhood	improving thought processes and learning how to develop friendships.	Intelle Devel	onmont	I = how people develop their thinking skills, memory and		
Life stages	Distinct phases of life that each person passes through.	9-18 years	Adolescence	Experiencing puberty, which bring physical and emotional changes.	(I) Ę		language.		
Growth	Increased body size such as height, weight.	19-45 years	Early Adulthood	Leaving home, making own choices about a career and may start a family.	Emoti Devel (E)	opment	E = how people develop their identity and cope with feelings.		
Development	Involves gaining new skills and abilities such as riding a bike.	46-65 years	Middle Adulthood	Having more time to travel and take up hobbies as children may be leaving home;		90	S = describes how people develop		
Gross motor development (G)	Refers to the development of large muscles in the body e.g. Legs	65+	Later Adulthood	beginning of the aging process. The aging process continues, which may		opment	friendships and relationships.		
Fine motor development (F)	Refers to the development of small muscles in the body e.g. Fingers	years Adulthood affect memory and mobility. D. How do humans develop physically (P)?							
Language development	Think through and express ideas	 O-2 • Gross Motor Development (G) = life head, roll over, sit unaided, walk holding onto something, walk unaided, climb 							
Contentment	An emotional state when people feel happy in their environment, are cared for and well loved		Fine Motor hold betwee	and throw, walk upstairs, jump. Development (F) = hold a rattle for short time, re en finger and thumb, scribble, build a tower, use	a spoon,	draw line	s and circles, turn page of a book.		
Self-image	How individuals see themselves or how they think others see them	3-8	ride a bike, • F = hold a c	ricycle, catch a ball with two hands, walk backwa catch a ball with one hand, balance along a thin crayon to make circles and lines, thread small be idels with construction bricks, joined up writing, u	line. ads, cop	y letters a	nd shapes with a pencil, make		
Self-esteem	How good or bad an individual feels about themselves and how much they values their abilities.	9-18	 Girls = pube Boys = voic 	erty starts at 10-13 years, breasts grow, hips wid- ere deepens, muscles and strength increase, erec c and underarm hair, growth spurts.	en, mens	struation b	egins, uterus and vagina grow.		
Informal relationships	Relationships formed between family members	19-45	· · ·	nature, sexual characteristics are fully formed, pe	eak of ph	ysical fitne	ess, full height, women at most		
Friendships	Relationships formed with people we meet in the home or in situations such as schools, work or		 fertile. Later in the life stage people may put on weight, hair turn grey and men may lose hair, women's menstrual cycle was slow down 						
Formal	clubs relationships formed with non-	 46-65 People may put on weight, hair turn grey and men may lose hair, women's menstrual cycle was slow Women go through the menopause – when menstruation ends and they can no longer become presented and the statement of the statement					o longer become pregnant.		
relationships	family/friends – such as teachers and doctors.	65+	Women's h	ontinue to be fertile throughout life but decrease air becomes thinner, men may lose most of their	hair, ski	1 loses ela	asticity and wrinkles appear, nails		
Intimate relationships	romantic relationships.			ittle, bones weaken, higher risk of contracting inf action time, muscle and senses (hearing, sight, t			nd illness.		

Year 10 BTEC Health and Social Care- <u>Component 1</u>: Human Lifespan Development. LAA

Wha	at we are learning this term:		,						
	A. Key words		B What are the main life stages?				What are the 4 areas of growth and development (PIES)? Explain them.		
C.	What are the main life stages What are the 4 areas of growth development (PIES)? How do Humans develop phys	n and G sically (P)?	Age Group)-2	Life Stage	Developmental Characteristics and Progress	Physi Deve (P)	cal lopment		
А.	Key words for this Unit		vears			(``) (
Char	acteristics		3-8 vears			Intelle			
Life	stages)-18 /ears			Deve (I)	lopment		
Grov	vth		9-45 vears			Emot Deve	lopment		
Deve	elopment		l6-65 /ears			(E) (
	s motor lopment (G)	6)5+ /ears			Socia Deve (S)	lopment		
	motor lopment (F)		D.	How do humar	ns develop physically (P)?				
Lang deve	luage lopment		0-2						
Cont	entment								
Self-	image		3-8						
Self-	esteem		9-18						
Infor relati	mal ionships		19-45						
Frier	ndships								
			46-65						
Form relati	nal onships								
Intim relati	ate onships		65+						

What we are learning this term:			F. How do humans develop emotionally (E)?					
		umans develop intellectually (I)?	Infancy and Early Childhood			Adolescence and adulthood		
G.	How do hu	umans develop emotionally (E)? umans develop socially (S)?	Bondin	Bonding and Attachment Self-image and Self-esteem Bonding and attachment describe the emotional ties an individual forms with others. It starts in the first year of life between infants Self-image and Self-esteem				
E. Infar		At birth brains are already well	and the	eir main c	arer because that person fulfils the infants needs em feel safe and secure.	from day to day based on a variety of factors including employment and health status.		
"		developed. Infants use all of their senses to learn about the world around them. Infancy is a time of rapid intellectual development. At 3 months infants can remember routines. At 9-12 months infants are developing their memory. At 12		ants and ared for,	young children, security is mainly the feeling of being safe and loved – it is closely linked with	Security Adolescence may feel insecure because of puberty. Adults may feel insecure about relationships, job security of income. Later in life adults may feel insecure about staying in their own home or going into a care home. Feeling secure helps us cope better with everyday situations.		
		months to 2 years infants understand processes and how things work. Language begins to develop during this stage.	Infants		ng children are content if they have had enough lean and dry and all other needs are met.	Contentment When people feel discontented with aspects of their life – for example, relationships or work – their emotions can be negatively affected.		
Early childhoodAt 3-4 years of age children become more inquisitive and enjoy exploring objects and materials. They ask lots of questions and enjoy solving simple problems.At 5-6 years old children's memory is becoming well developed. This helps		Independence Independence is to care for yourself and make your own decisions. Infants are completely dependent on their carer. As children enter early childhood they develop more independence – feed self and get dressed. However, children still need a lot of help from their carer.			Independence Adolescence are dependent on their parents but are beginning to enjoy more independence and freedom to make their own choices. Adults enjoy living independently and controlling their own lifestyle and environment. Later in adulthood people become more dependent on others again.			
		them to talk about the past and anticipate the future.	G.		How do humans develop socially (S)?			
Adol	escence	During this time abstract thought is	Life St	age	Types of relationships and social development			
71001	00001100	developed – thinking logically and solving complex problems are	Infancy	/	 Solitary Play - From birth to 2 years, infants te carer; they may be aware of other children bu 	nd to play alone although they like to be close to their parent or t not play with them.		
ł		possible by the end of this life stage. Adolescents may find it difficult to understand the consequences of their actions but they are developing empathy – seeing things from another's point of view.	Early childho	ood	 Parallel Play - From 2 to 3 years, children enjoy playing next to other children but are absorbed in their ow game; they are not socialising or playing with other children. Cooperative or social play – from 3 years upwards, children start to play with other children; they have de social skills that help them to share and talk together; they often make up games together, such as being shopkeeper and customer. 			
Midd	/ and le thood	By these life stages most adults have a good range of general knowledge. They use this knowledge and	Adoles	cence	 People become more independent and build r Social development closely linked to emotions Often strongly influenced by peers – 'peer grown's peers and the strongly influenced by peers and the strongly influe	S		
		experience to solve problems that they come across in their personal and work lives.	Early adultho	bod	 Increased independence means greater control of decisions about informal relationships. People may be developing emotional and social ties with partners and their own children. Social life often centred on the family but social skills are required to build and maintain formal relationships. 			
Late adul	hood	During this life stage people continue to learn and develop intellectually, however, their speed of thinking and	Middle adultho		 Children have often left home, but there are lii Social circles may expand through travel, spe 	kely to still be strong family relationships. nding more time on hobbies or joining new groups.		
	f	however, their speed of thinking and memory may decline. This may affect their ability to think through problems and make logical decisions.	Later adultho	bod	 Retired by this stage and so may enjoy more social time with family and friends or join new groups. However, later in the life stage people may begin to feel isolated if they struggle to get out or if partners and friends pass away. 			

What we are learning this term:			F.	How do	humans develop emotionally (E)? Explain each			
		umans develop intellectually (I)? umans develop emotionally (E)?			Infancy and Early Childhood	Adolescence and adulthood		
G.	How do hu	umans develop socially (S)?	Bonding and Attachment			Self-image and Self-esteem		
Е.	How do l	humans develop intellectually (I)?						
Infar	псу							
<u> </u>		<u>Securi</u>	<u>ty</u>		<u>Security</u>			
			<u>Conte</u>	<u>ntment</u>		<u>Contentment</u>		
Early child	Early childhood		Independence			Independence		
i	A							
			G. How do humans develop socially (S)?					
Adol	escence		Life St		Types of relationships and social development			
			Infancy	/				
ł			Early childho Adoles					
Early Midd	y and lle		Adoles	cence				
Adulthood		Early adultho	bod					
Late aduli	r thood		Middle adultho					
	f		Later adultho	bod				

What we are learning this term:

H. Key words

- I. How do physical factors affect development?
- J. How does lifestyle affect development?
- K. How do social and cultural factors affect development?
- L. How do relationships and isolation affect development?
- M. How do economic factors affect development?

H Key words:				
Genetic inheritance	Genes the person inherits from their parents			
Genetic disorders	Health conditions that are passed on from parent to child through their genes. e.g. cystic fibrosis			
Lifestyle Choices	Include the food you eat and how much exercise you do. They also include whether you smoke, drink alcohol or take illegal drugs.			
Appearance	The way that someone or something looks			
Factor	A circumstance, fact, or influence that contributes to a result			
Gender role	The role and responsibilities determined by a person's gender.			
Culture	ideas, customs, and social behaviour.			
Role models	Someone a person admires and strives to be like.			
Social Isolation	Lack of contact with other people			
Material possessions	Things that are owned by an individual			
Economic	To do with person's wealth and income.			

	I. How do	physical factors affect development	?							
		Genetic Disorders Disease and Illness								
nt?	Physical Development	A person's physical build can affect p abilities. Inherited diseases may affe and stamina needed to take part in e	ct strength	May affect the rate of growth in infancy and childhood. Could affect the process of puberty. Could cause tiredness and/or mobility problems. Could limit of prevent participation in physical activity.						
	Intellectual Development	Some genetically inherited diseases missed schooling, or have a direct in learning – conditions such as Edward impact learning.	npact on	School, college, university, work or training could be missed. Memory and concentration could be affected.						
their ed on	Emotional Development	Physical appearance affects how ind themselves (self-image), and how oth to them impacts on their confidence a wellbeing.	hers respond	May cause worry and/or stress. Individuals may develop negative self-esteem. Could lead to feelings of isolation.						
eir ow much	Social Development	ment Physical characteristics or disease may affect opportunities or confidence in building friendships and becoming independent. May cause difficulty in having opportunities to socialize with other and build wider relationships								
ude nol or	J. How does	lifestyle affect development?		-						
ething	Lifestyle choices i	nclude; diet, exercise, alcohol, smoking	g, sexual relatio	nships and illegal drugs, appearance.						
ce that	Positive lifestyle c Healthy hair, sk Positive self-ima Energy and star	in, nails and teeth age		extyle choices lead to: erweight or underweight nergy						
er.	 Good health Emotional secul 	ل_ا	Sexually	self-image						
aviour.		cludes: body shape, facial features, ha		sonal hygiene and our clothing.						
d strives	Our appearance ca Positive self-image	n affect the way we view ourselves- se		ve self-image						
le	Feel good abou	t yourself. in, nails and teeth	Low Low	y self-esteem y self-confidence lead to eating disorders e.g. anorexia						
dividual I income.	 High self-esteer High self-confid 	n	CanCanNeg	lead to anxiety or depression lead to self-harm ative impact on building relationships- social circle reases.						

What we are lear	ning this term:	I.	How do	physical factors affect develop	ment?			
J. How does life K. How do socia development' L. How do relation development'	onships and isolation affect	Physical Develop Intellect Develop	ment ual	<u>Genetic Disord</u>	ers		<u>Disease and Illness</u>	
H Key words:								
Genetic inheritance Genetic disorders		Emotion Develop						
		Social Develop	ment					
Lifestyle Choices				s lifestyle affect development?		al relationships and illega		
Appearance		_		choices lead to:	0	ative lifestyle choices le		<u>L</u>
Factor				ĿĿ				ν -
Gender role		•			•			
Culture		Our appe Our appe	earance in earance ca	cludes: body shape, facial feature in affect the way we view ourselve	s, hair and r s- self-imag	ails, personal hygiene an e	d our clothing.	
Role models			self-imag		ر کی	Negative self-image	Ω	ر ع
Social Isolation		•				•		ν
Material possessions		• • •				•		
Economic						•		

K How do social and control development	ultural factors affect	What we are learning this term:						
religion because it affectedValues: how they behave)	K. L. M.	L. How do relationships and isolation affect development?					
Lifestyle choices: diet, a Positive affects of a	Negative affects of a persons	L	How do relationships and isolation affect development?	м	How do economic fa	actors affect development		
 persons culture/religion: A sense of security and belonging from sharing the same values and beliefs with others. Good self-esteem 	versons culture/religion:culture/religion:A sense of securityand belonging fromand belonging fromagainst by people who dosharing the samenot share theirvalues and beliefsreligion/culture which leadswith others.to low self-image		In adolescence, young people often argue with parents because they want more independence- negative affect on family relationships- can lead to isolation from them.	give fami	ng enough money s individuals and their lies feeling of content security	Not having enough money causes stress and anxiety.		
through being accepted and valued by others	Feeing excluded and isolated because their needs like diet, are not catered for.	2	In later life, older people might need to rely on their children for support. This then has a positive affect on their development because all their need are catered for.	mea	ng enough money ns that the whole ly is eating healthy.	Not having enough money can mean that the family is not about to eat well balanced diet, and this has a negative		
Community refers to: local area where people live, school, religious group or hobby clubs. They have common values and goals.		3	3 Relationships are important because they provide emotional security, contentment and positive self- esteem.		effect on their development			
 Belonging to a community: Brings sense of belonging essential for emotional development. 	Not belonging to a <u>community:</u> • Minimal contact with others- isolation	4	The breakdown of personal relationships can have a negative effect on persons PIES development:	Elderly people rely on state pension to IThe breakdown of personal relationships can have a negative effect on personsenough and have to cut down on travel, therefore it speeds their aging process a health decline.		vn on travel, shopping, bills,		
Building and maintaining relationships- social development	 Anxiety leading to depression Making negative lifestyle 		Low self-esteem, loss of confidence, stress.		<u>g in good housing</u> open spaces:	Living in a poor housing with cramped and damp		
 Feeling of security. Increases self-image and self-confidence 	 choices Feeling less secure Difficulty in building relationships Slow self-image and 	5	Isolation can happen when individuals do not have the opportunity of regular contact with others. They have no one to share their feelings, thoughts and worries with resulting in feeling insecure and anxious.	t • E • f	eeling good about nemselves Se more likely to stay ealthy, Space to take exercise eel safe ad secure	 <u>conditions:</u> Have low self-esteem and self-image Be more likely to experience ill health Be lesson likely to 		
Self-confidence Traditionally, men and women had distinctive responsibilities and expectations which for their gender called gender roles . However, nowadays UK equality legislation stops		6	Isolation can happen because they live alone, are unemployed or retired, are discriminated against or have an illness or a disability.	• \	Varmth	exercise Anxious and stressed. 		
 people being discriminated against because of their gender. What happens when people face discrimination because of gender: They might be excluded from a group They may be refused promotion at work They may be expected to carry out a particular role They may be paid less. 		7	People have role models- infants learn by copying others, and adolescence base their identity on their role models. Role models can influence how people see themselves compared to others and their lifestyle chices0 can be positive or negative.	new posi pers beca more	erial possession like a phone or coat has a tive effect on the ons development ause they might have e friends as they look r, high self-image.	Not having a phone or the newest trainers can have a negative affect in the persons self-image and self-esteem. They might feel isolated from others.		

Year 10 BTEC Health and Social Care- Component 1: Human Lifespan Development. LAA Κ How do social and cultural factors affect What we are learning this term: development K. How do social and cultural factors affect development? Development can be influenced by the persons culture or How do relationships and isolation affect development? L. religion because it affected their: M. How do economic factors affect development? Values: how they behave Lifestyle choices: diet, appearance How do relationships and isolation affect L Μ How do economic factors affect development development? Positive affects of a Negative affects of a persons persons culture/religion: culture/religion: Not having enough Having enough money.... . 1 money 2 Having enough money Not having enough means that.... money can mean that ... Community refers to: 3 Elderly people rely on state pension to live which is not Belonging to a community: Not belonging to a enough and have to cut down on travel, shopping, bills, community: therefore it speeds their aging process and lead to 4 • health decline. Living in good housing Living in a poor housing with cramped and damp with open spaces: conditions: 5 • • . 6 Traditionally, men and women had distinctive responsibilities and expectations which for their gender called gender ٠ roles. However, nowadays UK equality legislation stops Material possession like a Not having a phone or people being discriminated against because of their gender. new phone or coat has a the newest trainers can 7 have a negative affect What happens when people face discrimination because of positive effect on the persons development on.... Because.... gender: because

What we are learning this term:		0.	How do people deal with life events?
N. What are life events?O. How do people deal with life events?		Individual	 The effects of life events vary from person to person based on how they deal with their new situation. Some people react to able to react to life events positively, others find it more difficult due to a range of factors.
P. How is dealing with life events supported?N. What are life events?		Factors	 Factors that may affect how people cope with life events: age, other life events happening at the same time, the support they have, their disposition (their mood, attitude and general nature), their self-esteem, their resilience (how quickly they recover).
		Adapting	Adapt – to adjust to new conditions or circumstances.
Life Events	Life events are expected or unexpected events that can affect development. Examples include starting nursery, getting married or becoming ill.		• Expected on unexpected life events can often force people to make changes to their lives. Individuals must find their own way to adapt to the changes that life throws at them.
		Resilience	 Resilience – a person's ability to come to terms with, and adapt to, events that happen in life. Resilience is stronger in people who have a positive outlook on life, accept that change happens, has supportive family and friends and plans for expected life events.
Expected Life Events	Expected life events are life events that are likely to happen. Examples include starting primary school aged four and secondary school	Time	 Sometimes people need a long time to adapt to unexpected life events. It can take time for people to move on from and accept difficult changes in their life.
		Ρ.	How is dealing with life events supported?
Unexpected	aged 11. Unexpected Unexpected life events are		How this helps individuals deal with life events
Life Events	events which are not predictable or likely to happen. Examples could include divorce and bereavement (the	Emotional Support	Emotional support is needed to help individuals deal with all life events – expected and unexpected. Having someone to talk to helps people feel secure and adapt to change. Sometimes individuals can find this support in family and friends or professionals to process difficult life events – such as bereavement.
Physical Events	death of a loved one). Physical events are events that make changes to your body, physical health and mobility.	Information and Advice	Life events, particularly unexpected ones, can cause people to feel like they do not know what to do. Information and advice can help people to have a better understanding of their situation, which allows them to deal with it more successfully. Information and advice help them know where to go for help, the choices than are available to them and how to make healthy choices.
	Examples include illnesses such as diabetes and injuries and accidents such as car accidents.		 Financial help – an individual may need money to help them adapt to a life change i.e. money to pay for a stair lift if their mobility has been effected. Childcare – an individual may need support looking after their children i.e. a lone parent after a divorce that needs to go to work. Transport – an individual may need support with transport if they have mobility problems i.e. a car could be adapted to
Relationship Changes	Relationship changes could be new relationships such as the birth of a sibling, a new friendship or romantic relationship. Relationship changes can also be changes to existing relationships such as divorce. Life circumstances are different situations that arise in our life that we must deal with. Examples include redundancy (losing a job), moving house or retirement (finishing work in later adulthood).		support a person who has had an accident and can no longer walk.
Life Circumstance s		Informal Support	Informal support is the support an individual receives from partners, family and friends. It is usually the first form of support an individual experiences after and expected or unexpected life event. Informal support can provide reassurance, encouragement, advice, a sense of security, someone to talk through options with and practical help.
		Professional Support	Formal support may be provided by statutory care services (the state), private care services and charitable organizations. Professional support may include counsellors, teachers, careers advisers, occupational therapists, social workers and health specialists. Professional support may be needed to help people with a health condition, regain mobility, deal with life changes and emotions, get advice and information or change their lifestyle.
		Voluntary Support	Organizations offering voluntary support are charities, community groups and religious groups. At voluntary support services, many staff are volunteers (they work for free), but they also employ qualified people who are paid by donations. Community groups work at a local level to meet the needs of people living in a specific neighbourhood i.e. foodbanks. Religious groups are formed by people who share the same religious or spiritual beliefs but they help all people in need regardless of their beliefs and background i.e. a church run soup kitchen for the homeless.

What we are learning this term:		0.	How do people deal with life events?	
N. What are life events?O. How do people deal with life events?P. How is dealing with life events		Individual Factors		
supported?				
N.	N. What are life events?		Adapting	
Life Events			Resilience	
Expec	ted Life		Time	
Events			Р.	How is dealing with life events supported?
			Types of Support	How this helps individuals deal with life events
Unexp Life Ev	ected vents		Emotional Support	
Physic Events	cal s		Information and Advice	
			Practical Help	
Relationship Changes				
Changes	,00		Informal Support	
			Professional Support	
Life Circun s	nstance		Voluntary Support	

