100% book - Year 10 Booster

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."





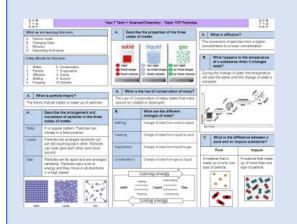






How to use your 100% book of Knowledge Organisers and Quizzable Organisers

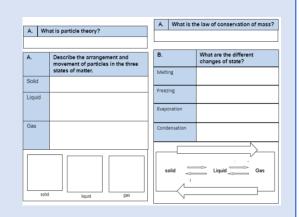
Knowledge Organisers



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.

Quizzable Knowledge Organisers



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 quiz 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.
- 4. Present work in your prep book to the same standard you are expected to do in class.
- 5. Ensure that your use of SPAG is accurate.
- 6. Write in blue or black pen and sketch in pencil.
- 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.
- 10. Review your prep work in green pen using the mark scheme.

How do I complete Knowledge Organiser Prep?

Step 1	Step 2	Step 3
Check Epraise and identify what words /definitions/facts you have been asked to learn. Find the Knowledge Organiser you need to use. Planner 100 Mar- 180 Mg 2000 100 Mg 1 M	Write today's date and the title from your Knowledge Organiser in your Prep Book. A What is particle theory? The theory that is marked and particles. A What is particle theory? The theory that is marked and particles. A What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. A What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. A What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. A What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. A What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be created or deripode. A What is the law of conservation of mass? The Law of Conservation of Mass states that mass cannot be conservation of mass of Conservation of Mass states that mass cannot be conservation of mass and conservation of mass and cons	Write out the keywords/definitions/facts from your Knowledge Organiser in FULL. 29th May 2020 Properties of the states of matter Particle theory - all matter is made of particles Solid - regular pattern for includes a vibrate in fixed position Liquid - perticles are arranged randomly but are atill southing each other and mare around. Ges = Particles are far apart and are arranged randomly. Perticles carry late at energy
Step 4	Step 5	Step 6
Read the keywords/definitions/facts out loud to yourself again and again and write the keywords/definitions/facts at least 3 times. Solid = regular pattern porticles vibrate in fixed position Solid = regular pattern particles vibrate in fixed position Solid = regular pattern particles vibrate in fixed position	Open your quizzable Knowledge Organiser. Write the missing words from your quizzable Knowledge organiser in your prepared by the second of the district of the second of the district of the	Check your answers using your Knowledge Organiser. Repeat Steps 3 to 5 with any questions you got wrong until you are confident. Particle theory = all matter is node of particles Solid = regular patter particles vibrate in fixed position Liquid = particles fre arranged randoms but are still southing each other and mare around Gas = Particles are for sport and are arranged randoms, Particles carry and at a granged randoms, particles carry and are of energy

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



ENGLISH - A Christmas Carol- Foundation

1. Context

Writer: Charles Dickens (1812-

Dates: First published in 1843

Genre: Allegorical; a ghost story. Era: Victorian

- Set: Victorian London
- Structure: The novella is divided into 5 staves (chapters).

Biography of Dickens

- Born in Portsmouth in 1812
 - When Dickens was 12, his father was sent to debtors' prison as he was unable to pay his
- His mother and youngest siblings were sent with him, whilst Dickens staved with a family friend. In order to help his family, Dickens had to leave school and work in a factory sticking labels on bottles.
- Dickens dedicated his life to writing works that revealed the horrors of life in Victorian London for those living in poverty.

Christmas:

audience.

Dickens grew concerned that. due to capitalism, society had lost sight of traditional values (Christian morals, forgiveness, charity). He felt that Christmas was the perfect time to reconnect with these values and used his novella to do this. He also knew that Christmas would be a popular topic so it would sell well – therefore enabling his message to reach a wider

different classes. He switches between scenes of Victorian London

London and inequality:

Dickens contrasts the lives and attitudes of the wealth and poverty to highlight the inequality within

In order to prevent poor people from claiming financial help, the government made people live in workhouses if they did not have enough money. The workhouses were essentially, prisons for the poor. Dickens hated this law and wanted to highlight the situation facing poor people.

the souls of sinners were trapped).

The Poor Law, 1834

Malthusian Theory Thomas Malthus argued that if living standards

increased, population would increase and eventually the number of people would be too great for the charity would only prolong their suffering.

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

food that could be produced. As a result, Malthus thought it was important not to support the poor or improve their standards of living, but to allow them to die if they couldn't support themselves because

Social injustice

continues.

3. Central Themes

The character of Scrooge emphasises the idea that everyone is Transformation capable of transformation and redemption. From starting as a and greedy man, Scrooge is able to reflect upon his actions and to redemption understand that he must live his life helping others to avoid Marley's fate.

Social responsibility

Dickens felt that every individual had a responsibility for those around them. Marley's Ghost conveys the message of the novella when he cries, 'Mankind was my business' demonstrating that the proper 'business' of life is not about making money but is about having concern for others. Just like Scrooge realises at the end, we must realise that we should help others and be kind to them.

Dickens highlights the unfairness within society through the

and his view that the poor should be in workhouses or die

shows the selfishness of the higher classes. The children,

poor and wealthy characters. Scrooge's refusal to give to charity

Ignorance and Want, demonstrate what could happen if poverty

2. Key Characters

Ebenezer Scrooge: He is initially established as a villain who is dismisses the generosity associated with Christmas and refuses to help others. After being forced to change, he feels remorse for his avarice and becomes a symbol of Christmas spirit. Scrooge demonstrates that anyone can change.

Bob Cratchit: Bob is Scrooge's loyal employee. His family live in poverty but remain cheerful, love one another and demonstrate the Christmas Spirit. Bob shows pity for Scrooge, and provides a contrast to Scrooge's isolation and meanness.

Fred: Scrooge's nephew. He demonstrates Christmas cheer and refuses to be discouraged by his Scrooge's misery. Fred shows that Scrooge has chosen isolation and forgives Scrooge in Stave Five.

Marley's Ghost: Marley's ghost shows the reader Scrooge's potential fate. The chains that drag him down symbolize the guilt caused by his failure to help people in need. Marley's ghost warns Scrooge that he will experience the same fate if he does not change.

The ghosts: The Ghost of Christmas Past is a symbol of childhood, truth and realisation The Ghost of Christmas Present represents goodwill, plenty and the festival of Christmas. The Ghost of Christmas Yet to Come symbolises what will happen if Scrooge does not

Belle: The woman that Scrooge was engaged to when he was a young man. Belle broke off the engagement between her and Scrooge because he was not the man she had fallen in love with- now he loved money too much.

4. Key Vocabulary	
Avarice	Extreme greed of possessions or money
Salvation	Saving someone from harm or destruction
Miserly	someone who is greedy and does not like spending money
Callous	Mean or cruel
Antithesis	The exact opposite of something
Epiphany	A moment of sudden understanding
Redemption	The act of being saved or freed from sin or error
Benevolence	Kind and helpful towards others
Philanthropic	Showing concern for others by being charitable
Misanthropic	Someone who has a hatred for other people
Penitence	sincere regret for wrong or evil things that you have done
Remorse	a strong feeling of sadness and regret about something wrong that you have done
Deprivation	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

Chapters in the novella, but we normally associate staves with music, as if the **book** is a Christmas carol, and each Stave 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.

Allegory

Circular

structure

A story that can be interpreted to reveal a hidden meaning, typically a moral or political one.

Foreshadowing is a literary device in which a writer gives an

advance hint of what is to come later in the story.

Circular narratives cycle through the story one event at a

time to end back where the story originated.

Foreshadowi ng

A set of words that are related in meaning. Dickens Semantic frequently uses semantic fields of warmth and coldness Field that are associated with the characters.

1. Context Notes		ENGLISH –A Christmas Carol- Foundation	4. Key Vocabulary
Writer: (1812-1870)	Biography of Dickens Born in Portsmouth in	2 Kar Character Notes	Avarice
Dates: First published in	When Dickens was 12	2. Key Character Notes	Salvation
Genre:	Dickens had to	Ebenezer Scrooge:	Miserly
Era:	Siekelis list to		Callous
Set:	Dickens dedicated his life to		Antithesis
Structure:		Bob Cratchit:	Epiphany
			Redemption
		Fred:	Benevolence
			Philanthropic
			Misanthropic
Christmas:	London and inequality:	Marley's Ghost:	Penitence
			Remorse
		The ghosts:	Deprivation
			Despotism
		Belle:	
			Capitalism
			5. Key Terminology, Symbols and Devices
		3. Central Themes Notes	
The Poor Law, 1834	Malthusian Theory		Stave
		Social injustice	
			Circular structure
			Allegory
		Transformation and redemption	Allegorical figures
			Foreshadowing
The Supernatural:		Social responsibility	Didactic
			Semantic 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

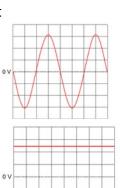
The pd changes direction and magnitude, giving alternating current

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



Neutral wire

Neutral wire

Cable grip

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 = current² 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 = p t

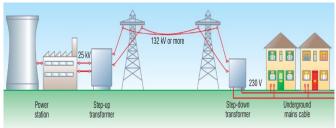
For example

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

- 1. What are the two types of current?
- 2. What type of power supply produces DC current?
- 3. What are the two differences between AC and DC current?
- 4. What is the pd of the UK mains supply?
- 5. What is the frequency of UK mains supply?
- 6. What colour is the live wire in UK plugs?
- 7. What is the purpose of the blue wire in UK plugs?
- 8. When does the yellow and green wire carry a current?

The National Grid

- 1. What is the National Grid?
- 2. What sort of pd does the National Grid use to transmit electrical power?
- 3. What is used to increase the pd from the power station?
- 4. What is used to reduce the pd near homes and businesses?
- 5. Why is such a high pd used?

Appliances in the home and power

- 1. What is the equation linking current, potential difference and power?
- 2. What is the equation linking current, resistance and power?
- 3. What two factors affect how much energy an appliance transfers?
- 4. What is the equation linking energy, power and time?
- 5. What are the units for power?
- 6. What is the equation linking charge, energy and potential difference?
- 7. What are the units for energy?

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

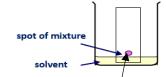
Chromatography

- Technique used to separate mixtures of **soluble substances**.
- How soluble a substance is determines how far it travels across paper.

More soluble = travels further (higher up paper)

Mobile phase

- Solvent is the mobile phase
- The substances dissolve in the solvent



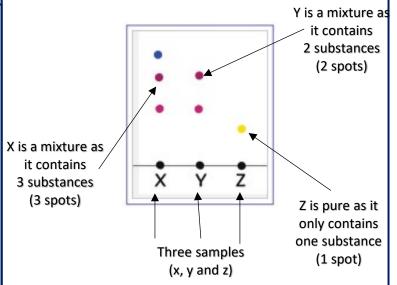
- The solvent then moves through the stationary phase.

Stationary phase

- Does not move. The paper is the stationary phase.

Important – start line on paper must be drawn in pencil as pencil is insoluble and will not run

The spot and start line must be **above the solvent line** so the colours won't just wash into the solvent in the beaker.

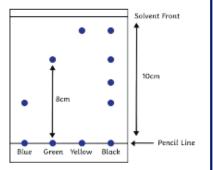


Rf Values

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

R_f = distance travelled by substance distance travelled by solvent

- 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:

8cm / 10cm = 0.8

T3 Year 10 Mainstream Combined Science C8 – Chemical Analysis		
1. What is a pure substance?	What is chromatography used for? 1. How	w do you calculate the Rf ue?
2. How can you test that a substance is pure?		values should always be cween
	chromatography? dist	e a ruler to measure the tance the solvent moved in the gram below.
	chromatography2	e a ruler to measure how far e yellow spot moved
1. What is a formulation?	5. How would you be able to identify a pure substance on a chromatogram?	culate the Rf value for yellow
2. Give 3 examples of formulations.	6. Draw and label a diagram of the experiment to Investigate how many different colours there are in food colouring using paper chromatography.	Solvent Front
	Blue	Green Yellow Black



GCSE Geography AQA. 3. Natural Hazards



9. Global atmospheric circulation		
Explanation		
Worldwide system of winds, which transport heat from the equator to the poles.		
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.		
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 low pressure 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 low pressure 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
Temperature	10 warmest vrs all occurred since 1990
	2018 joint hottest summer on record.
	Dec 2010 coldest month for 100 years.
Rainfall	More rainfall records broken between
	2010 - 2014 than in any other decade.
	Dec 2015 wettest month on record.

10. Weather hazards in the UK		
Hazard	Example	
Extreme weather	A weather event that is significantly different from the average pattern and is especially severe or unseasonal.	
Strong winds	Damage property / disrupt transport. 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. March 2018 Beast from East. 50 cm.	
Drought	Crop failure, rules to conserve water. April 10-March 12 only 75% of rain.	
Heatwaves	Pollution builds up- breathing problems. Death. BUT tourism benefits. 2018.	

12. An e	example of a recent extreme
weathe	r event in the UK
Name	Somerset Floods, 2014
Causes	350mm rain fell in Jan and Feb
Caases	High tides, rivers not dredged for 20 yrs
	1 å £10 million damage
	2 🏅 14,000 ha of farmland flooded
Impacts	3 🛊 600 homes flooded
	4 P 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 groups
Manage-	Locals used boats to go
ment.	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



9. Global atmospheric circulation		
Factor	Explanation	
Global atmospheric circulation		
Key information		
Polar cell Ferrel cell Trade winds Trade winds Hadley cell Ferrel cell Polar cell		

10. Weather hazards in the UK	
Hazard	Example
Extreme	
weather	
Strong	
winds	
Heavy rain	
Snow	
Drought	
Heatwaves	

11. Evidence that weather is		
becoming	more extreme	
	•	
Hazard	Example	
Temperature		

12. An example of a recent extreme		
weather event in the UK		
Name		
Causes		
Impacts		
Manage- ment strategies		



Frequency

Intensity

GCSE Geography AQA. 3. Natural Hazards



13. Tropical storms

Hurricanes, cyclones, typhoons. An area of low pressure with winds moving in a spiral around the calm central point called the eye of the storm.

Winds are powerful and rainfall is heavy.

Winds 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.		
52463	Eye- calm in centre (air ♥, LOW).		
0/22/65/0	Eyewall- strong winds, torrential rain.		
	Edges- Wind speed falls, rain reduces.		
How will climate change affect them?			
Distribution	Increase to higher latitudes (warmer		
Distribution	sea temperatures).		

Number could increase. (Longer season)

Stronger? More evaporation.

14. Formation of tropical storms		
Include processes and ensure correct sequence.		
Conditions	5-30° latitude.	
	Ocean depth > 60m deep.	
	Sea temperature > 27°C.	
	Form summer and autumn.	

- 1. Sun heats the ocean (27°C) > rapid evaporation.
- Condensation occurs quickly leading to a large amount of cloud forming (tropical depression).
- Due to the earth's rotation, this cloud mass starts to spin. An eye is formed in the centre.
- Due to rising air, a <u>low pressure</u> area forms below. Air rushes into this creating high wind speeds. (>74mph = tropical storm)
- The <u>low pressure</u> 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.		
Building design- reinforced concrete stilts to reduce flood risk. Protection Flood defences along rivers and coast 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. 	



GCSE Geography AQA. 3. Natural Hazards



13. Tropical storms			
Factor	Explanation		
Global distribution			
Relationship with ACM			
وكيالكه.			
How v	How will climate change affect them?		
Distribution			
Frequency			
Intensity			

14. Formation of tropical storms		15. How can we reduce the impacts?		
		Strategy	Explanation	
Conditions		Prediction / monitoring		
		Planning		
		Protection		

16. Tropical storms affect people and environments.			
	Generic	Typhoon Haiyan 2013	Philippines
Primary effects		Ť Š	
Secondary effects		ē ē	
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)
- 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 atmosphere from burning fossil fuels, is causing the enhanced greenhouse effect. (D)
- 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 limiting the amount of carbon dioxide released into the atmosphere, this is known as mitigation. (G, H)
- 8. Some countries are trying to adapt to climate change by building flood barriers and growing drought resistant crops. (*G, H*)

A.	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.	Measu	uring climate change <i>(</i> 3)	
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.		CO ₂ can be measured in each layer, and therefore the	
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 eruptions		Ash from volcanic eruptions can block sunlight, making it colder.	
Sun spots		The sun can give out more energy due to an increase in sun spots.	
Orbital change		The orbit of the sun changes from oval (ellipse) to circular approx. 98,000 yrs.	

E. Effects on people (6)			
Tropical storms		Increase in frequency and intensity so more damage.	
Sea-level rise		Increased risk of floods, damaging property and businesses.	
Melting Arctic ice		Affects trading routes in the Arctic Circle.	
More droughts/ floods		Crop failure, could lead to starvation and famine.	
Cost of defence		Governments have to spend more money on disasters instead of developing.	
Environmental Refugees		Pressure on countries to accept refugees.	

G.	Strategies to resolve climate change (4)		
Adap	otation	Adapting to climate change to make life easier.	
Adaptation examples (3)		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-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 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.	

н.	Place specific examples (2)		
Adaption		The Thames Barrier. Positive: Stops flooding due to rising sea levels. Negative: Expensive	
Mitigation		The Paris Agreement. Positive: Countries are trying to lower CO₂ emissions. Negative: The USA pulled out and China did not sign up.	

Climate Change

Natural climate change (3) D. Human-induced climate change (5) Background: Volcanic eruptions 1. Since the 1860s the global climate has been recorded. Greenhouse Since then the climate globally has increased by 0.8° Celsius. 2. effect Sun spots 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 Greenhouse Orbital through periods of warming and cooling. (A) gases 5. However, the rapid increase of carbon dioxide in the atmosphere from change burning fossil fuels, is causing the enhanced greenhouse effect. (D) 6. The enhanced greenhouse effect is causing changes to the planet, Transport Effects on people (6) 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 Tropical storms Farming amount of carbon dioxide released into the atmosphere, this is known as mitigation. (G, H) 8. Some countries are trying to adapt to climate change by building flood Sea-level rise barriers and growing drought resistant crops. (G, H) Energy Melting Arctic ice More droughts/ floods Changes in climate (3) Effects on the environment (4) Sea temperature rises Cost of defence Climate change Environmental More droughts Refugees Melting glaciers (ice Glacial periods rivers) G. Strategies to resolve climate change (4) Inter-glacial periods Melting Arctic ice Adaptation H. Place specific examples (2) Measuring climate change (3) В. Adaptation examples (3) Ice cores Adaption Mitigation Mitigation Tree rings examples (3) Mitigation Historical evidence

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

B. Change and continuity in ideas about disease and illness in the 18th and 19th Century. (3.1-3.2)

What we are learning this term:		D. Change and Continuity in		, ,
3 1 Ideas	about the cause of disease and illness	<u>Causes</u>	Prevention	<u>Treatments</u>
3.2 Approaches to treatment and prevention 3.3 Key Individuals and fighting cholera in London, 1854			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 Pastuer and Robert Koch isolated microbes	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 great deal of understanding how to
A.	Can you define these key words?		which caused certain diseases	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 answers in the world about disease and	Public Health Act 1875 – in the 18th 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 19th Century. Following her success at the war
vaccinatior	immunity against a disease	across science influencing ideas about cause	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
generation			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	The study of bacteria.		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
C.	Fighting cholera in London , 1854 (3.3)	was becoming less popular		had been used but they were not good enough. John Simpson discovered that chloroform could be used as a
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.	Spontaneous Generation – this theory stated that rotting matter caused bacteria		pain relief – this led to more complex surgeries being performed Antiseptics – another big problem with surgery was infections. Joseph Lister
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	to form, causing people to get ill Germ Theory – this correct theory put		built on Pasteur's work and discovered that carbolic acid could be used to prevent infections. Used on wounds and Sterlised equipment, but some surgeons did not like the change
John Snow	John Snow was surgeon who investigated the 1854 epidemic. He created a spot map to show the deaths and noticed they were concentrated around a water pump in	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		
Broad Street, SoHo. Clear the water pump			D. Key People (3.3)	
9	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 but 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 Report on the Sanitary Conditions of the Labouring Classes 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 18 th and 19 th Century Britain				
What we a	re learning this term:	B. Change and contin	nuity in ideas about disease and illness in	the 18 th and 19 th Centu	
illness 3.2 Approa	bout the cause of disease and ches to treatment and prevention dividuals and fighting cholera in	<u>Causes</u>	<u>Prevention</u>	Treatme	
A.	Can you define these key words?				
microbes					
vaccination spontaneou					

A.	Can you define these key words?
microbes	
vaccination	
spontaneou s generation	
bacteriolog y	
inoculate	

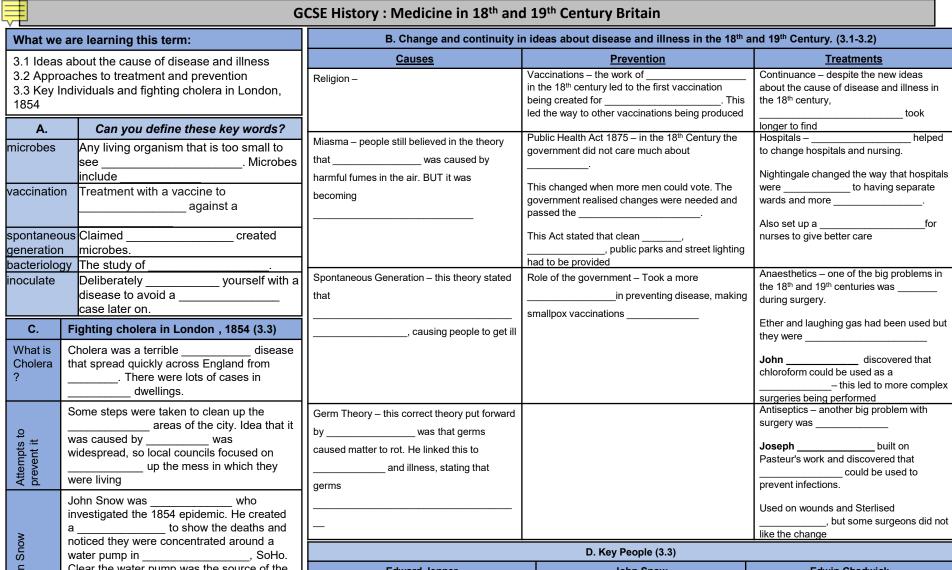
C.	Fighting cholera in London , 1854 (3.3)
What is Choler a?	
Attempts to prevent it	
John Snow	
act of ws work	

	B. Change and continuity in ideas about disease and illness in the 18th and 19th Century. (3.1-3.2)					
	<u>Causes</u>	<u>Prevention</u>	<u>Treatments</u>			
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4						
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	D. Key People (3.3)					
	Edward Jenner		John Snow	Edwin Chadwick		
-						

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

What w	e 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)
	is about the cause of disease and illness	<u>Causes</u>	<u>Prevention</u>	<u>Treatments</u>
3.2 App	roaches to treatment and prevention Individuals and fighting cholera in London,	Religion – People no longer believed that God was responsible for illnesses and 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?	Miasma – people still believed in the theory that disease and illness was	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
vaccinati			The government realised changes were needed and passed the Public Health Act.	hospitals were designed to having separate wards and more ventilation.
generatio			This Act stated that clean water, sewage system, public parks and street lighting had	Also set up a training school for nurses to give better care
inoculate	Deliberately infecting yourself with a	Spontaneous Generation – this theory	to be provided Role of the government – Took a more active	Anaesthetics – one of the big
liloculate	disease to avoid a more severe case later	stated that rotting matter caused bacteria	role in preventing disease, making smallpox	problems in the 18 th and 19 th centuries
	on.	to form, causing people to get ill	vaccinations compulsory	was pain during surgery.
C.	Fighting cholera in London , 1854 (3.3)			Ether and laughing gas had been used but they were not good enough.
What is				John Simpson discovered that
Choler a?	disease that spread quickly across England from 1831. There were lots of			chloroform could be used as a pain
a:	cases in slum dwellings.			relief – this led to more complex
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	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		surgeries being performed Antiseptics – another big problem with surgery was infections. Joseph Lister built on Pasteur's work
Atte pre\	mess in which they were living	caused people to get ill		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			Used on wounds and Sterlised
ě	to show the deaths and noticed they were			equipment, but some surgeons did not
John Snow	concentrated around a water pump in		D. Kay Baarda (2.2)	like the change
nho	Broad Street, SoHo. Clear the water pump		D. Key People (3.3)	
<u>~</u>	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. Longterm Snow presented his work to the	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	Used scientific methods to prove that cholera was a water borne disease in the 1850's. Snow presented his findings to the	Published his Report on the Sanitary Conditions of the Labouring Classes in 1842. He spent time researching the poor in
of 6	government arguing clean water needed	but he did not get ill.	government, recommending that the	cities and discovered that people living
Pact F	to be supplied. Many rejected his work and clung to the idea of miasma causing	Had successfully developed the first	sewer systems were improved, which they were eventually.	in cities had a lower life expectancy than people living in the countryside.
E 0%	cholera	vaccine, which was supported by the	,	Asked for boards of health to be set up to make cities cleaner.
		government.		to make dities dealiet.



John Snow Clear the water pump was the source of the Edward Jenner John Snow outbreak Country doctor who realised that Used to prove that cholera was a _____ disease in the who got did not catch smallpox -In the short-term Snow removed the decided they must be connected. Tested his 1850's from the Broad Street pump by infecting a local boy with cowpox

cholera

Edwin Chadwick Published his Report on the Sanitary Conditions of the Labouring Classes in mpact of Snows work and the deaths in that area and then tried to infect him with smallpox but he Snow presented his findings to the He spent time researching the . Long-term Snow and discovered that , recommending that the presented his work to the government people living in cities had a sewer systems were arguing _____ needed to be expectancy than people Had successfully developed the first which they were eventually. supplied. Many _____ his work and living in the countryside. Asked for boards _____, which was supported by the clung to the idea of causing of health to be set up to make cities government.



Year 10 GCSE Religious Education KO - Islam Practices



Keywords		What we a	re learning in this unit	B.	The 5 Pillars - Salah
Tawalla	Showing love for God and for those who follow Him	A. The 5 B. Salah	s. Salah		
Tabarra	Disassociation with God's	C. Sawm D. Zakah E. Hajj	· II	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
	enemies	F. Jihad			them to communicate with Allah. • The prayers are done at dawn (fajr), afternoon
Khums	The obligation to pay one- fifth of acquired wealth	G. Id-ul-A H. Id-ul-F			 (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	A.	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 Muhammad said the key to Salah is cleanliness
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	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	tabarra 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	Chanadan	It is the Muslim declaration of faith It is the Muslim declaration of faith "there is no God but Allah, and Muhammad is His messenger" This is a statement that Muslims reject anything but Allah as their focus of belief It also recognises that Muhammad has an important role and his life is an example to follow	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			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
	Jihad			lummah	Mosque Iummah is congregational prayer held on a Friday
oppressed by "Fight in the v Conditions for sel pro leg		y the Meccans an		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 witl • e.g. perform t		vithin oneself to fo the Five Pillars, fo	llow the teachings of Islam and be a better person sollow 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



Year 10 GCSE Religious Education KO - Islam Practices



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



Year 10 GCSE Religious Education KO - Islam Practices



	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
14	Medina Given to the poor, needy and travellers Sadaqah is giving from the heart out of generosity and compassion Output District the second	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 "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" 	Night of power	 The night when the Angel Jibril first appeared to Muhammad and began revealing the Qur'an. The most important event in history – "better than a thousand months" (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 The significance 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 God told Ibrahim to take his wife and son on a journey and leave them without food or water 	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 Key events – 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
	 Hajira ran up and down two hills in search of water, could 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 		 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	 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 Key events – public displays of grief, day of sorrow, wear black, reenactments of martyrdom, not a public holiday in Britain but Muslims may have day off school



(* Year 10 GCSE Religious Education KO - Islam Practices



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

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.
- 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.

el desayuno / la comida la merienda / la cena	
una comida típica un plato popular	
¿De qué país es cada plato? El/La es de Los/Las son de México / España / Perú Chile / Argentina / Cuba	
argentino/a / chileno/a colombiano/a / cubano/a español(a) / inglés/inglesa mexicano/a / peruano/a venezolano/a	

¿En qué consiste(n)?

Está hecho/a con ...

¡Qué rico! (pages 80-81):

```
For ...
   breakfast / lunch
   afternoon snack / dinner
a typical meal
a popular dish
What country is each dish
 from?
... is from ...
... are from ...
  Mexico / Spain / Peru
   Chile / Argentina / Cuba
Argentinian / Chilean
Colombian / Cuban
Spanish / English
Mexican / Peruvian
Venezuelan
What is it / are they made of?
```

It is made with ...

Están hechos/as con Consiste(n) en verdura/carne/*pollo pescado/arroz	They are made with It consists / They consist of vegetables/meat/chicken fish/rice
¿Qué comida o bebida te gustaría probar? Me gustaría probar (la paella).	What food or drink would you like to try? I would like to try (paella).
¿Por qué te gustaría probarlo/la/los/las? Porque parece/suena rico/a me gusta(n) es (muy) sano/a. tiene muchos beneficios para la salud.	Why would you like to try it/ them? Because it looks/sounds tasty I like it is (very) healthy. it has lots of health benefits.
¡A comer! ¡Buen provecho!	Let's eat! Enjoy your meal!

¿Llevas una vida sana? (pages 82-83):

¿Cómo es tu *rutina? Por la mañana/tarde/noche ... Durante el día/la semana ...

El fin de semana ... Los domingos ...

todos los días / fines de semana every day / weekend algunos días / fines de semana

Primero / Luego ... Finalmente ...

Antes de / Después de ...

hacer los deberes levantarme / vestirme terminar las clases tomar el desayuno

volver a casa / acostarme

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

Hago diez minutos de ejercicio.

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

some days/weekends

First / Later/Afterwards ...

Finally ...

Before / After ... doing homework

getting up / getting dressed

finishing classes having breakfast

returning home / going to bed

What healthy habits do you have?

I sleep (well) / I train

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?
la merienda/cena?
Normalmente/Generalmente
lo/la tomo ...
entre las ... y las ...

A veces como a las ...

¿Te gustaría probarlos/las?
Te recomiendo ...
Hay que probar ...
Es un postre / una bebida ...
rico/a / típico/a.
Me gustaría probarlo/la/
probarlos/las ...
porque parece/suena ...

porque parecen/suenan ...

What time do you have ...
breakfast/lunch?
afternoon snack/dinner?
Normally/Generally
I have it ...
between ... and ...
Sometimes I eat at ...

Would you like to try them?
I recommend ...
You have to try ...
It is a ... dessert/drink.
tasty/typical
I would like to try it/them ...

because it looks/sounds ...
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! (page	es 86-87):		
¿Cómo eras antes?	What were you like before?	(Siempre) Estaba cansado/a y	I was (always) tired and sick.
Cuando era pequeño/a	When I was little	enfermo/a.	
Cuando era más joven Antes / Cuando tenía años,	When I was younger Before / When I was years old,	¿Cómo es tu *rutina ahora?	What is your routine like now?
dormía bien/mal	I slept well/badly	Cuido más mi dieta.	I look after my diet more.
me levantaba / me acostaba .		¿Cómo eres ahora?	What are you like now?
temprano/pronto / tarde	early/late	Me siento mucho mejor.	I feel a lot better.
(no) era muy activo/a. (no) tenía	I was (not) very active. I had / I didn't have	Soy bastante activo/a.	I am quite active.
(mucha) energía	(lots of) energy	No / Ya no hago (mucho) ejercicio/	I don't / no longer do (lots of) exercise/sports
una vida sana	a healthy life	deporte	do (tots or) exercise/sports
(nunca) iba al gimnasio	I (never) went to the gym	hago nada para mantenerme	do anything to stay in shape
¿Qué te gustaba comer y	What did you like to eat and	en forma	
beber?	drink?	me levanto temprano como antes	get up early like before
Solía comer / beber	I usually ate / drank	untes	
(No) Comía	I ate / I didn't eat	¿Qué te gusta comer y	What do you like to eat and
Bebía demasiado café.	I drank too much coffee.	beber?	drink?
Me encantaban los postres. Me gustaba comer *dulces.	I loved desserts. I liked eating sweets.	(No) Como comida rápida/ malsana.	I (don't) eat fast/unhealthy food.
Me gustaba comer dutces.	Tiked ediling sweets.	(Ya no) Bebo/Como	I (no longer) eat/drink
¿Qué hacías en tu tiempo	What did you do in your free	Prefiero las bebidas con azúcar.	I prefer sugary drinks.
libre cuando eras pequeño/a	? time when you were little?	Me gusta comer comida sana.	I like to eat healthy food.
(No) Hacía (mucho/suficiente)	I did / didn't do (lots of/enough)	¿Qué haces en tu tiempo	What do you do in your free
ejercicio/deporte.	exercise/sports.	libre?	time?
(No) Iba a la piscina (tres veces	I went / didn't go to the pool	(No) Hago ejercicio/deporte.	I (don't) do exercise/sports.
a la semana). (No) Montaha en *hici (cada día)	(three times a week). I rode / didn't ride my bike (every	(No) Voy al gimnasio /cine.	I (don't) go to the gym/cinema.
(110) Floritaba en bier (edad dia)	day).	(No) Juego a *los videojuegos.	I (don't) play videogames.
(No) Jugaba	I played / didn't play		

¡Qué mal estoy! (pages 88-8	39):
¿Qué te pasa?	What's the matter with you?
Me / te / le duele(n)	My / your / his/her hurt(s)
el brazo / el estomago	arm / stomach
el pie / la boca / la mano	foot/mouth/hand
la cabeza / la espalda	head / back
la garganta / la nariz	throat / nose
la rodilla / la pierna	knee / leg
los oídos / los ojos / los dedos	ears / eyes / fingers
los dientes / (todo) el cuerpo	teeth / (whole) body
Estoy (muy) enfermo/a.	I am (very) sick.
Me siento (muy) mal.	I feel (very) unwell.
No me siento bien porque	I don't feel well because
tengo	I have
fiebre / dolor de cabeza	a fever / a headache
una herida	an injury
Ayer / La semana pasada	Yesterday / Last week
me rompí / me corté	I broke my / I cut my
me guemé	I burned mv

la pierna/ piel	leg/skin
¿Desde cuándo estás así?	Since when have you been like this?
desde (ayer)	since (yesterday)
desde hace una hora / más de (dos días)	for an hour / more than (two days)
Debes / Necesitas	You must / You need to
Tienes que	You have to
quedarte en la cama / en casa	a stay in bed / at home
descansar/dormir	rest/sleep
comprar medicinas (en la farmacia)	buy medicine (at the chemist's)
evitar el sol	avoid the sun
recuperarte/relajarte	recover/relax
ir al médico /hospital	go to the doctor's/hospital
Voy a pedir cita con el médico .	I am going to ask for a doctor's appointment.

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

¿Cómo cambiarás tu estilo How will you change your de vida? lifestyle? Si dejo de comer/beber/fumar, ... If I stop eating/drinking/smoking, If I sleep (at least eight hours), ... Si duermo (al menos ocho horas), ... Si practico más deporte,... If I practise more sport, ... Si tengo (una vida más activa), ... If I have (a more active life), ... me sentiré más feliz I will be happier mi salud física/mental my physical/mental health mejorará will improve dormiré mejor I will sleep better me levantaré con más energía I will wake up with more energy

¿Qué harás para mejorar tu What will you do to improve salud en el futuro? your health in the future? Para cambiar esta mala To change this bad habit, ... costumbre.... Para mejorar mi dieta/salud ... To improve my diet/health ... dormiré más tiempo / beberé I will sleep longer / I will drink water agua no usaré el móvil (después de I won't use my mobile (after nine o'clock) las nueve) iré (al **gimnasio**) I will go (to the gym) evitaré beber alcohol y fumar I will avoid drinking alcohol and smoking empezaré a practicar deporte I will start practising sport

Year 10 Computer Science – Term 1 Answers

A.	Terms		What we	are learning this term:		C. Flowch	art Symbol	
Abstraction		The process of removing all unnecessary details from a problem.	C. Flowch	A. Terms B. Common Algorithms C. Flowcharts D. Data Types		Symbol	Usage	Symbol Name
Algorit	thm	The sequence of steps required to carry out a specific task.	В.	Common Algorithms	Worked Example		The start or end of the	Terminator
Assigr	nment	Setting the value of a variable in a computer program.	Binary Search	Compares the search object to the middle point of a sorted list. If they are not equal, the half in which the target cannot lie is eliminated and the search	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 to the search object, and repeating this until the target value is found or the end is	Midpoint 6 6 == 6 Item found		which occurs during the algorithm.	
Decon	nposition	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 1st pass complete		Data is either inputted to or outputted from the algorithm.	Input/ Output
Flowc	hart	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
Input		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		True/False decision.	
Outpu	t	Data which is sent out of a system.		beginning until it is found or the end is reached.	2,6,5 6==6 Item found			
Proces	ss	An action taken by the				D. Data Ty	pes	Example
		program without input from the user.				Boolean	TRUE/FALSE or 1/0	TRUE or 1
Pseud	ocode	A method of writing an algorithm using plain English.	Merge Sort	into two until all the elements are separated individually. Pairs of elements are then compared, placed into order and combined. The process is then	5,1,3 5,1 3 Break list into sublists 5 1 3 Until sublists contain 1 # 1,5 3 Merge pairs	Character	A single, alphanumeric character.	1 or A or !
Variab	le	A memory location			1,3,5 Until all sublists merged	Integer	Whole numbers	15
	A memory location within a computer where values are stored.	repeated until the list is recompiled in the correct order as a whole.		String	One or more alphanumeric characters.	1A!		

Real/Float

15.5

Decimal numbers

Year 10 Computer Science – Term 1

A.	Terms	What we	are learning this term:		C.	Flowchar	t Symbol	
Abstra	action	A. Terms B. Commo C. Flowch D. Data T	on Algorithms arts ypes		Sy	/mbol	Usage	Symbol Name
Aigon		В.	Common Algorithms	Worked Example				
Assig	nment	Binary Search		2,5,6 searching for 6				
Data		Coarcii						
Decor	mposition							
Flowe	chart	Bubble Sort		5,1,3				
Input								
Outpu	ut	Linear Search		2,6,5 searching for 6				
Proce	ess				D.	Data Type	es .	Example
Pseud	docode	Merge Sort		5,1,3		Boolean Character		
Varial	ble					Integer String		
						Real/Float		

17. Business Aims & Objectives					
Businesspeople li	ke to use the term SMART 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

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 (gross/net)	The difference between revenue and total costs; if the 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

17. Business Aims & Objectives	
Businesspeople like to use the term SMART objectives	
Which Objective?	
Specific	
Measurable	
Achievable	
Realistic	
Time- Bound	

18. Aims and Objectives in Business	
Businesses have both financial and non-financial aims	
Type of Objectives	Explanation
Financial Objectives	
Non-Financial Objectives	

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		

21. Breaking Even	
Term	Definition
Break - Even	
Break-even Chart	
Margin of Safety	

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				
Question	Answer			
Why does Cash matter to a Business?				
Why is cash important to a business?				
What is the difference between cash and profit?				

23. The Importance of Cash (definitions)					
Term	Definition				
Cash					
Cash Flows					
Insolvency					
Overdraft					
Overdraft Facility					

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

24. Cash Flow Forecasts

Cash flow forecasting means predicting the future flows of cash into and out of a Business.

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- 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						

26. Long Term Sources of Finance					
Term	Definition				
Crowdfunding					
Share Capital					
Venture Capital					
Retained Profit					



Year 10 PRODUCT DESIGN Term 3



A.	♥ ♥ Physical 8	& Working Properties	What we are learning this term:							
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 better to fix things instead of throwing them away.		
Density	Density How solid a material is		Forces apply stress to objects, causing them to break or change shape. Different materials can withstand different forces.		Linear	Moves something in a straight line. E.g. a train moving down a	Reuse You ca		can extend a products life by	
Fusibility		Ability of a material to be heated and joined to			Reciprocating	track Reciprocating Has a repeated up		passing it on or using it again. Recycle The uses less energy than		
		another material when cooled	Tension	Is a stretching or pulling force. E.g. the ropes of a suspension bridge	←	and down motion or back-and-forth motion. E.g a piston or pump			ning new materials.	
Electric Conduc		Ability to conduct electricity	← □ →		\rightarrow		L.	desig	n carefully. Is it needed?	
Therma	- ' ' 	Ability to conduct heat	Compression	Is a pushing or squashing force,	Rotary	Is where something moves around an			ng long-lasting durable ucts. Think rechargeable!	
Working	Working properties are how a material behaves when it is manipulated.		+) (+	e.g. the weight of a building on its foundation	Oscillating	axis or pivot point. E.g a wheel Has a curved	you th		can refuse to buy a product if hink it is wasteful. Such as c bags.	
Strengt	n 🌯	Ability of a material to	Bending	Is a combination of	T	backwards and forwards movement	F.	F. Natural & Manufactured Timbers		
	withstand compression, tension and shear			tension and compression.	₹	that wings on an axis or pivot point. E.g a	Natural timber comes from trees.			
Hardnes	ss 💮	Ability to withstand impact without damage	75	one side and	It exerts tension on one side and compression on the		swing or clock pendulum	Hardwo	ood	Softwood
Toughn	ess	Materials that are hard	other, e.g. bending anything		D. Paper & C	Card/Boards	Ash		Larch	
	茶	to break or snap are tough & can absorb shock	Shear		Paper and cards/boards both come from		Mahogany		Spruce	
	- '			Is a cutting force. The opposing forces are not directly opposite each other, e.g. cutting paper with	wood pulp. Paper Board		Oak		Softwoods are faster	
Malleab	ility ①£)	Being able to bend or shape easily would			Cartridge Paper	Corrugated Card	Balsa		growing and cheaper to buy.	
		make a material easily malleable		scissors.	Grid Paper	Duplex Board	Manufactured Boards		rds	
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		ends of a material in opposite directions, e.g. wringing out a wet cloth.	Tracing Paper	Foam Core Board	Medium-density fibreboard (MDF)		reboard (MDF)	
Elasticity		Ability to be stretched and then return to its original shape			Corrugated Card		Plywood			
*						Solid White Board	Chipboard			



Year 10 PRODUCT DESIGN Term 3



A.	Physical a	& Working Properties	What we are learn	ning this term:	E.	6 R's	-				
Physical properties are		are	•	orking Properties B. Force oards E. 6 R's F. Natura	You can use the 6R's when designing to help reduce the impact that new products have on the environment.						
Absorb	ency		B. Forces and	l Stressors	C.	Types of	Motions	Repair			
	<i>∞</i>	How solid a material is	Forces apply to objects, causing them to or			r .			%		
			Different materials can withstand different forces.			\Rightarrow				can extend a products life by ing it on or using it again.	
Fusibili	ty A						Has a repeated up	Recycle			
			Tension			\leftarrow	and down motion or back-and-forth	1			
	4	Ability to conduct electricity	← 🗀 →			\rightarrow	motion. E.g	G.		should think about your gn carefully. Is it needed?	
Therma		Ability to conduct heat		Is a pushing or squashing force,	Rotar	() N C N C		
Working properties are		are	+)(+ e.g		1,3			0	you tl	You can refuse to buy a product if you think it is wasteful. Such as	
		·				Has a curved backwards and	Į.	plasti	plastic bags.		
Strengt	h 🔊	Bending				T fo	forwards movement that wings on an axis or pivot point. E.g	F. Natural & Manufactured Timbers			
						Natural timber comes from					
	₩	The ability to withstand impact with damage	775	775				Hardwood		Softwood	
T	•	impact with damage			D.	Paner & C	ard/Boards	Ash			
Toughn	iess					•	boards both come from			Pine	
	TAK			Is a cutting force.	apei		——·	Mahoga	ny		
		Being able to bend or		The opposing forces are not directly	Paper		Board			Softwoods are	
	(£)	shape easily would		opposite each other, e.g	Cartrio	lge Paper		Balsa			
)	make a material easily malleable					Duplex Board	Manufa	ctured Boa	ards	
Ductility	у 🧳		Torsion		Layou	t Paper		Manufac	ctured board	ds are usually made from	
							Foam Core Board				
Elastici	ty 🕌	Ability to be stretched and then return to its original shape			Corruç	Corrugated Card Solid White Board		Plywood			
		Ü					John Wille Board				

Film Music

Area of study 3 - Eduqas 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

- Violin
- Cello
- Viola
- Double bass

Harp BRASS

Trumpet

- Trombone
- French horn
- Tuba

PERCUSSION

- Bass drum
- Snare drum
- Triangle
- mang
- CymbalDrum kit
- (untuned)
- Timpani
- Glockenspiel
- Xylophone (tuned)

WOODWIND

- Flute
- Clarinet
- Oboe
- Bassoon
- Saxophone

KEYBOARDS

- Piano
- Electronic keyboard
- Harpsichord
- Organ
- Synthesizer

OTHER

- · Electric guitar
- · Bass guitar
- Spanish/ classical guitar
- Traditional world instruments

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.

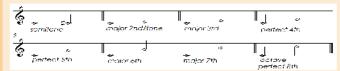
A scene where the superhero 'saves the day' might use a major tonality, brass fanfares, loud dynamics, accents, 4ths and 5ths (intervals).

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)

1



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.

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 by step.
Disjunct	The melody moves with leaps/intervals.
Consonant harmony	Sounds 'good' together.
Dissonant harmony	Sounds 'clashy'.
Chromatic harmony	Uses lots of semitones/accidentals that's not in the home key.
Minimalism	A style of music using repetition of short phrases which change gradually over time.

Question	Answer	Question	Answer
What is a Theme in film music?		What does the word Interval mean?	
Define Pizzicato		ATexture 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 4 th 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 Scalic mean?	











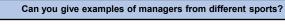
What we are learning this term:

- Different leadership roles
- Role-related responsibilities
- C. Personal qualities
- Leadership styles
- Key considerations when planning sports activity

Main assessment objectives

Learning outcome: Know the personal qualities, styles, roles and responsibilities associated with effective sports leadership.

Be able to plan sports activity sessions.



Gareth Southgate Eddie Jones

Role related responsibilities

Knowledge of activity

Enthusiasm for activity

Knowledge of safety

Knowledge of child protection issues

Knowledge of basic first aid

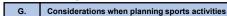
Personal qualities

Role models

Positive Mo Farah Nicole Adams

A.





Session content

Objectives for the session appropriate venue Equipment needs Supervision needs Timing of activities Introduction/conclusion of session

Basic warm up/cool down Skills and technique development Engaging

Organisation

Safety

Risk assessments-facilities. equipment/clothing checks, activityspecific risks

Corrective action- wiping up puddles, removing litter, reporting faulty equipment

Emergency procedures- procedures in the event of an accident, procedures in the event of other emergencies, summoning qualified help, completion of relevant documents











Different leadership roles and opportunities

Captain Coach Expedition leader

Manager Teacher Role model

Role related responsibilities

Knowledge of: Activity Safety Child protection

Basic first aid

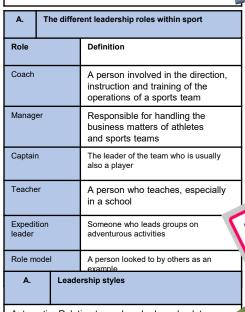
Enthusiasm for activity

Personal qualities

Reliability Punctuality Communication Confidence Creativity

Leadership styles

Autocratic Democratic Laissez-faire



Autocratic- Relating to a ruler who has absolute power

Democratic- Members of the group take a more participative role in the decision-making process

Laissez-Faire- Leaders are hands-off and allow group members to make the decisions



Year 10 Cambridge National- Leadership- Term 3















What we are learning this term:

- Different leadership roles B. Role-related responsibilities
- C. Personal qualities
- Leadership styles
- Key considerations when planning sports

A.	The	ne different leadership roles within sport				
Role			Definition			
Coach						
Manag	er					
Captain						
Teacher						
Expedition leader						
Role m	odel					
Α.	L	Leade	rship styles			

Main assessment objectives

Learning outcome: Know the personal qualities, styles, roles and responsibilities associated with effective sports leadership.

Be able to plan sports activity sessions.

Can you give examples of managers from different sports?

Negative

Safety

Session content

Role models



Role related responsibilities

Personal qualities

C.

Positive

A.

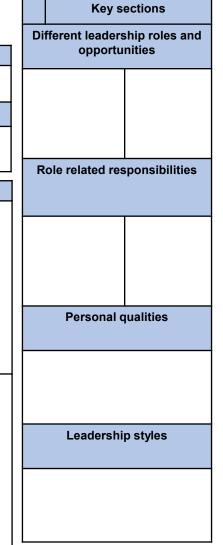




Considerations when planning sports activities









Year 10 Engineering Term 2 (Unit 1)

Dimension & Notes

What we are learning this term:

Health & Safety

B. Manufacturing processes

C. reading technical drawings

D. Tools & Equipment

Risk Assessment

A risk assessment is the analysis of the risks involved when using equipment or performing a process.

Hazard - something that may harm someone.

Risk - how likely a hazard is to happen.

Control measure - actions taken to reduce the risk of harm

Ejection hazard – material being	
thrown out of the machine toward	
the user	

Entrapment hazard - the user being caught and pulled into the moving parts of the machine

Inhalation hazard - people in the vicinity of the hazard breathe in harmful dust or chemicals

Sharp force hazard - the user is cut, stabbed or scraped by the sharp material.

Slip, trip and fall hazards common hazards caused by unclean or cluttered workspaces.

Blunt force hazard - a victim is crushed, hit or bruised by the blunt object. Major blunt trauma can cause fractures or internal bleeding.

Dead

center

Reading technical drawings

Technical drawings always include a border and title block to identify them and give the reader important information. You may also write notes on a technical drawing, if relevant.

from by Nech Brown

i. knurling

The scale factor shows how big the real product is compared to the drawing.

TITLE WHEEL BEARING NAME John Smith CHECKED And VERSION 1.1 DATE 16 10.98 NO NEED TO MEASURE -ALL MEASUREMENTS IN MM SCALE 1:1 ITH ENGINEERING

> The type of orthographic drawing is shown by this symbol.

Lec. Bhuiyan Shameem Mahmood

Tools & Equipment



External calliper – used for measuring the external dimensions of a workpiece

Lathe tools – cutting tools for a range of functions.

From left to right; Parting tool, right-hand cutting tool, threading tool, left-hand cutting tool



Knurling tool - an attachment for the lathe that allows you to impress a diamond pattern into the material. Example shown





here



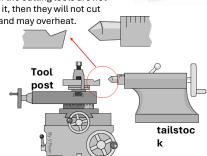
Tap and die set - these tools are attached to wrenches and allow you to cut an internal or external thread (spiral) in a hole. The hole must be pre-drilled 0.5mm smaller than the intended size of the final hole.

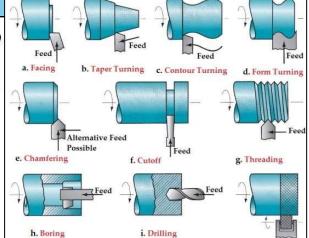
Manufacturing processes

The dead center tool is used to align the tools in the tool post.

В.

The dead center is placed in the tailstock. If the cutting tools are not in line with it, then they will not cut efficiently and may overheat.





Notes



Year 10 Engineering Term 2 (Unit 1)



What we are learning this term:

A. Health & Safety

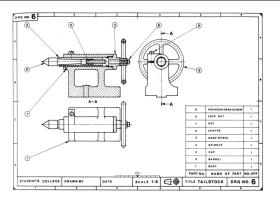
B. Manufacturing processes

C. reading technical drawings

D. Tools & Equipment

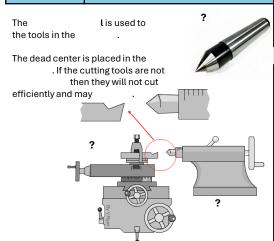
Give an example of an Ejection hazard –	Give an example of an Entrapment hazard –
Give an example of an Inhalation hazard –	Give an example of a Sharp force hazard –
Give an example of Slip, trip and fall hazards –	Give an example of a Blunt force hazard –

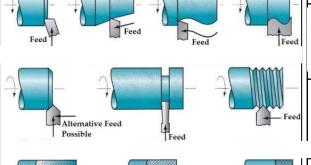
Reading technical drawings

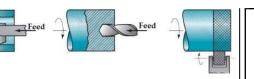


Task -Annotate this technical drawing

B. Manufacturing processes









Tools & Equipment

 used for measuring the external dimensions of a workpiece



– cutting tools for a range of

functions.
From left to right;
tool, tool,

tool, cutting cutting tool



- an attachment for the lathe that allows you to impress a pattern into the material. Example shown here.





- these tools are attached to wrenches and allow you to cut an internal or external (spiral) in a hole. The hole must be pre-drilled smaller than the intended size of the final hole.

What we are learni	ng this term:							
		В	What are the main life stages?		C What are the 4 areas of growth and			
A. Key words B. What are the main life stages C. What are the 4 areas of growth and		Age Group	Life Stage Developmental Characteristics and Progress		_		oment (PIES)?	
development (F		0-2 years	Infancy			sical elopment	P = growth patterns and changes in the mobility of the large and small muscles in the body that	
A. Key words for	this Unit	3-8	Early	Becoming increasingly independent,			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.		Intellectual 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.			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.	Deve	otional elopment © 🗀	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;		<u> </u>	C - describes have really develop	
Gross motor development (G)	Refers to the development of large muscles in the body e.g. Legs	65+	Later	beginning of the aging process. The aging process continues, which may affect memory and mobility.	Soci Deve (S)	elopment	S = describes how people develop 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 Think through and express ideas development		0-2	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		 stairs, kick and throw, walk upstairs, jump. Fine Motor Development (F) = hold a rattle for short time, reach for an item, pass item from one hand to other, hold between finger and thumb, scribble, build a tower, use a spoon, draw lines and circles, turn page of a book. 			es and circles, turn page of a book.		
Self-image	How individuals see themselves or how they think others see them	3-8	 G = ride a tricycle, catch a ball with two hands, walk backwards and step to the side, bounce a ball, run on till ride a bike, catch a ball with one hand, balance along a thin line. F = hold a crayon to make circles and lines, thread small beads, copy letters and shapes with a pencil, make 		and 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	Boys = voice deepens, muscles and strength increase, erections, facial hair, produce sperm.		pegins, uterus and vagina grow.			
Informal Relationships formed between relationships family members 19		19-45	Both = pubic and underarm hair, growth spurts. Physically mature, sexual characteristics are fully formed, peak of physical fitness, 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 grewas slow down			men may lo	ose hair, women's menstrual cycle	
Farmer	clubs	 People may put on weight, hair turn grey and men may lose hair, women's menstru Women go through the menopause – when menstruation ends and they can no lor 		no longer become pregnant.				
Formal relationships	relationships formed with non- family/friends – such as teachers and doctors.	65+	Men may continue to be fertile throughout life but decrease in sperm production in this life stage.					
Intimate relationships	romantic relationships.			ittle, bones weaken, higher risk of contracting in action time, muscle and senses (hearing, sight,			nd illness.	

		Teal 10 B1EC1		- Cociai Care	- Component 1. Human Enespair	Develo	Silient. LAA
Wha	t we are learn	ing this term:	В	What are the	main life stages?	С	What are the 4 areas of growth and
B. C.	What are the 4	nain life stages areas of growth and	Age Group	Life Stage	Developmental Characteristics and Progress	Phys	development (PIES)? Explain them.
D.		ns develop physically (P)?	0-2 years			Deve (P)	elopment
A.	Key words fo	r this Unit	3-8				
Chara	acteristics		years				ectual
Life s	stages		9-18 years			(I)	Plopment
Grow	vth		19-45 years			Deve	tional elopment
Deve	lopment		46-65			(E)	<u> </u>
	s motor lopment (G)		years 65+			Social Development (S)	al elopment
	motor lopment (F)		years			/	<u> </u>
Lang			D.	How do huma	ans develop physically (P)?		
devel	lopment		0-2				
Conte	entment						
			3-8				
Self-i	mage						
Self-e	esteem		9-18				
Inforr relation	mal onships		19-45				
	dships		-				
			46-65				
Form relation	al onships						
Intima relation	ate onships		65+				

What we are learning this term: F. How do humans develop emotionally (E)?

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

	ımans develop intellectually (I)? ımans develop emotionally (E)?		Infancy and Early Childhood	Adolescence and adulthood			
G. How do hu	umans develop enfotionally (E)? numans develop intellectually (I)?	forms with other	achment describe the emotional ties an individual rs. It starts in the first year of life between infants	Self-image and Self-esteem Self-image is heightened during adolescence because of the physical changes we experience. Our self-esteem can change			
Infancy	At birth brains are already well		earer 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		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.		,	ng children are content if they have had enough clean 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 childhood			s to care for yourself and make your own ts are completely dependent on their carer. As arly childhood they develop more independence get dressed. However, children still need a lot of 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)?				
Adolescence	During this time abstract thought is	Life Stage	Types of relationships and social development				
Adolescence	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	end to play alone although they like to be close to their parent or it not play with them.			
4	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.		game; they are not socialising or playing with Cooperative or social play – from 3 years upw	oy playing next to other children but are absorbed in their own other children. vards, children start to play with other children; they have developed ogether; they often make up games together, such as being a			
Early and Middle Adulthood	By these life stages most adults have a good range of general knowledge. They use this knowledge and	Adolescence	 People become more independent and build more informal and formal relationships. Social development closely linked to emotions. Often strongly influenced by peers – 'peer group pressure'. 				
泉	experience to solve problems that they come across in their personal and work lives.		 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. 				
Later adulthood	During this life stage people continue to learn and develop intellectually, however, their speed of thinking and	Middle adulthood	Children have often left home, but there are li Social circles may expand through travel, spe	kely to still be strong family relationships. ending more time on hobbies or joining new groups.			
however, their speed of thinking and memory may decline. This may affect		Later		social time with family and friends or join new groups.			

friends pass away.

However, later in the life stage people may begin to feel isolated if they struggle to get out or if partners and

their ability to think through problems

and make logical decisions.

adulthood

				<u></u>				
Wha	at we are le	earning this term:	F. H	F. How do humans develop emotionally (E)? Explain each.				
E. How do humans develop intellectually (I)? F. How do humans develop emotionally (E)?			Infancy and Early Childhood	Adolescence and adulthood				
		mans develop socially (S)?	Bonding a	and Attachment	Self-image and Self-esteem			
E.	How do h	umans develop intellectually (I)?						
Infar	псу							
	2		Security		Security			
	A							
			Contentment		Contentment			
Early child	/ hood		Independence		<u>Independence</u>			
	_							
ĺ								
	J		G.	How do humans develop socially (S)?				
Adol	escence		Life Stage	Types of relationships and social development				
			Infancy					
1			Early childhood					
			Adolescen	ice				
Midd			, (46,6666)					
Adul	thood		Early adulthood					
Late adult	r thood		Middle adulthood					
	fi		Later adulthood					

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 Genes the person inherits from their parents

Н	Key words:	
	netic eritance	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.
Cul	ture	ideas, customs, and social behaviour.
Role models		Someone a person admires and strives to be like.
Soc	cial Isolation	Lack of contact with other people
	terial sessions	Things that are owned by an individual

To do with person's wealth and income.

Economic

I. How do physical factors affect development?	I.	How do physica	I factors affect	development?
--	----	----------------	------------------	--------------

	Genetic Disorders	Disease and Illness		
Physical Development	A person's physical build can affect physical abilities. Inherited diseases may affect strength and stamina needed to take part in exercise.	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 may result in missed schooling, or have a direct impact on learning – conditions such as Edward's syndrome impact learning.	School, college, university, work or training could be missed. Memory and concentration could be affected.		
Emotional Development Physical appearance affects how individuals see themselves (self-image), and how others respond to them impacts on their confidence and wellbeing.		May cause worry and/or stress. Individuals may develop negative self-esteem. Could lead to feelings of isolation.		
Social Development	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.		

How does lifestyle affect development?

Lifestyle choices include; diet, exercise, alcohol, smoking, sexual relationships and illegal drugs, appearance.

Positive lifestyle choices lead to:

- · Healthy hair, skin, nails and teeth
- · Positive self-image
- Energy and stamina
- · Good health
- · Emotional security



Negative lifestyle choices lead to:

- · Being overweight or underweight
- · Lack of energy
- III health
- Negative self-image
- Sexually transmitted diseases (STDs)
- Unplanned pregnancy



Our **appearance** includes: body shape, facial features, hair and nails, personal hygiene and our clothing. Our appearance can affect the way we view ourselves- self-image

Positive self-image:

- Feel good about yourself.
- Healthy hair, skin, nails and teeth
- Big social circle.
- High self-esteem.
- High self-confidence.



Negative self-image

- Low self-esteem
- Low self-confidence
- Can lead to eating disorders e.g. anorexia
- Can lead to anxiety or depression
- · Can lead to self-harm
- Negative impact on building relationships- social circle decreases.



What we are learning this term:			How do	physical factors affect deve	elopment	?		
 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? 		Physical Develop	ment 	Genetic Dis	<u>sorders</u>		Disease and Illness	
H Key words:								
Genetic inheritance		Emotion Develop						
Genetic disorders		Social Develop	ment					
Lifestyle Choices				s lifestyle affect developmen				
Appearance				choices lead to:	or, smoking		onships and illegal drugs, appearance. estyle choices lead to:	
Factor					رين	•		ν
Gender role		:				•		
Culture		Our appe	earance ir	ncludes: body shape, facial fea an affect the way we view ours	atures, hai selves- sel	r and nails, pe f-image	rsonal hygiene and our clothing.	
Role models			self-imag			Λ Ι	ve self-image	
Social Isolation					ᄔ	- :		− ν −
Material possessions								
Economic						•		

Not having enough

Not having enough

money can mean that

eat well balanced diet.

and this has a negative

effect on their physical

Living in a poor housing

with cramped and damp

· Have low self-esteem

and self-image

Be more likely to

Be lesson likely to

exercise

stressed.

others.

Anxious and

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

experience ill health

development

conditions:

the family is not about to

and anxiety.

money causes stress

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? 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 How do economic factors affect development Negative affects of a persons development? Positive affects of a persons culture/religion: culture/religion: Having enough money A sense of security Feeing discriminated 1 In adolescence, young people often arque against by people who do and belonging from gives individuals and their with parents because they want more families feeling of content sharing the same not share their independence- negative affect on family religion/culture which leads values and beliefs and security relationships- can lead to isolation from with others. to low self-image them. Good self-esteem Feeing excluded and 2 Having enough money In later life, older people might need to through being isolated because their rely on their children for support. This then means that the whole accepted and valued needs like diet, are not family is eating healthy. has a positive affect on their development by others catered for. because all their need are catered for. Community refers to: local area where people live, school, religious group or hobby clubs. They have common values 3 Relationships are important because they and goals. provide emotional security, contentment and positive self- esteem. Belonging to a community: Not belonging to a Elderly people rely on state pension to live which is not Brings sense of enough and have to cut down on travel, shopping, bills, community: The breakdown of personal relationships therefore it speeds their aging process and lead to · Minimal contact with belonging essential for can have a negative effect on persons emotional development. health decline. others- isolation PIES development: Building and maintaining · Anxiety leading to Low self-esteem, loss of confidence, Living in good housing depression relationships-social stress. with open spaces: · Making negative lifestyle development Feeling good about 5 Isolation can happen when individuals do Feeling of security. choices themselves not have the opportunity of regular contact Increases self-image and Feeling less secure Be more likely to stay with others. They have no one to share self-confidence Difficulty in building their feelings, thoughts and worries with healthy. relationships Space to take exercise resulting in feeling insecure and anxious. Slow self-image and Feel safe ad secure self-confidence 6 Isolation can happen because they live Warmth Traditionally, men and women had distinctive responsibilities alone, are unemployed or retired, are and expectations which for their gender called gender discriminated against or have an illness or roles. However, nowadays UK equality legislation stops a disability. Material possession like a people being discriminated against because of their gender. 7 new phone or coat has a People have role models- infants learn by What happens when people face discrimination because of copying others, and adolescence base positive effect on the their identity on their role models. Role persons development gender: They might be excluded from a group models can influence how people see because they might have They may be refused promotion at work themselves compared to others and their more friends as they look They may be expected to carry out a particular role lifestyle chices0 can be positive or nicer, high self-image.

negative.

They may be paid less.

K	K How do social and cultural factors affect development		Wh	What we are learning this term:				
Development can be influenced by the persons culture or religion because it affected their: Values: how they behave		K. L. M.	How do social and cultural factors affect develor How do relationships and isolation affect develor How do economic factors affect development?					
Lifestyle choices: diet, appearance 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	
pers •	ons culture/religion:	culture/religion: •	1		Ha\	ving eno	ugh money	Not having enough money
•								•
			2			ving enou ans that.	ugh money	Not having enough money can mean that
Con	munity refers to:		3					.
Belo •	nging to a community:	Not belonging to a community:	4		enc the	ough and	I have to cut dow speeds their agir	pension to live which is not on travel, shopping, bills, ng process and lead to
•					. —	ng in goo	od housing paces:	Living in a poor housing with cramped and damp conditions:
•			5					•
•			6					
Traditionally, men and women had distinctive responsibilities and expectations which for their gender called gender roles . However, nowadays UK equality legislation stops people being discriminated against because of their gender.		6		Mat	terial pos	ssession like a	Not having a phone or	
	t happens when people	against because of their gender. face discrimination because of	7		nev pos per:	v phone sitive effe	or coat has a ect on thevelopment	the newest trainers can have a negative affect on Because

Year 10 BTEC Health and Social Care-Component 1: Human Lifespan Development. LAB 0. How do people deal with life events? What we are learning this term:

N. What are life events? O. How do people deal with life events? P. How is dealing with life events supported?		How do people deal with life events? • Some people react to able to react to life events positively, others find it more difficult due to a range of factor				
		Factors	actors that may affect how people cope with life events: age, other life events happening at the same time, the apport they have, their disposition (their mood, attitude and general nature), their self-esteem, their resilience (how slickly they recover).			
N. Wh	nat are life events?	Adapting	Adapt – to adjust to new conditions or circumstances.			
Life Events	unexpected events that can	Adapting	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.			
	affect development. Examples include starting nursery, getting married or becoming ill.	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 Li Events	ife Expected life events are life events that are likely to happen. Examples include	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. 			
	starting primary school aged four and secondary school	P.	P. How is dealing with life events supported?			
Unexpected	aged 11. Unexpected life events are	Types of Support	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				
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.	Practical Help	 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. 			
Relationship Changes	p Relationship changes could be new relationships such as the		Transport – an individual may need support with transport if they have mobility problems i.e. a car could be adapted to support a person who has had an accident and can no longer walk.			
Shangoo -	birth of a sibling, a new friendship or romantic relationship. Relationship changes can also be changes	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.			
	to existing relationships such as divorce.	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.			
Life Circumstan	Life circumstances are different situations that arise in					
s	our life that we must deal with. Examples include redundancy (losing a job), moving house or retirement (finishing work in later adulthood).	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.			

Year 10 BTEC Health and Social Care- Component 1: Human Lifespan Development. LAB What we are learning this term: O. How do people deal with life events?

What we are learning this term.		O .	now do people deal with the evente.	
N. What are life events? O. How do people deal with life events? P. How is dealing with life events		Individual Factors		
supported? N. What are life events?				
N. What are life events?		Adapting		
Life Ev	vents		Resilience	
Expect	ted Life		Time	
Events			P.	How is dealing with life events supported?
			Types of Support	How this helps individuals deal with life events
Unexpo Life Ev	ected vents		Emotional Support	
			Information and Advice	
Physic Events	cal s			
			Practical Help	
Relation Chang	onship ges			
9			Informal Support	
			Professional Support	
Life Circum	nstance			
S			Voluntary Support	

