# 100% book - Year 11 Grammar Stream

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



# Term 2

Swindon Academy 2022-23		
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 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.

someone else to test you, until you are confident you can recall the information from memory.

## Top Tip Don't write on your Quizzable Knowledge Organisers! Quiz yourself by writing the missing words in your prep book. That way you can guiz yourself again and again!



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

Use them to test yourself or get

## **Expectations for Prep and for** using your Knowledge Organisers

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

## How do I complete Knowledge Organiser Prep?



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



## Year 11 English: ENGLISH – Poetry cluster 2: The Problem with Power - Grammar



Key Vocabula	ry	Poem	Context	Events in the poem	Message	Form/ structure
Patriotism	Being devoted to your country	Kamikaze- Beatrice Garland	<ul> <li>During WW2, the term 'kamikaze' was used for Japanese fighter pilots who were sent on suicide missions. They were expected to crash their planes into enemy warships. The word 'kamikaze' literally translates as 'divine wind'.</li> <li>Flying a kamikaze mission was portrayed as a great honour by the Japanese government. It was claimed that there were many volunteers, although some have argued that not every kamikaze soldier would have been willing. By the end of the war, nearly 4,000 kamikaze pilots had died.</li> </ul>	<ul> <li>The narrator of this poem is a kamikaze pilot's daughter. Unlike many of his comrades, this pilot turns back from his target and returns home.</li> <li>The poem explores the moment that the pilot's decision is made and sketches out the consequences for him over the rest of his life.</li> <li>Not only is he shunned by his neighbours, but his wife refuses to speak to him or look him in the eye.</li> <li>His children gradually learn that he is not to be spoken to and begin to isolate and reject him.</li> </ul>	<ul> <li>The poem explores the conflict between personal and national duty and suggests that individual desire and extreme patriotism cannot be achieved together.</li> <li>Through the pilot, Garland may be expressing how it is not honour that gives life meaning, but rather being with loved ones.</li> <li>The poem explores the impossible situation that the pilots were put in by those in power-dying in glory or being shamed and rejected by your family.</li> <li>It also deals with the lasting effects that war can inflict on people, families, and communities. This poem not only deals with the kamikaze pilot's own story, but the implications for those around him.</li> </ul>	Kamikaze is a narrative poem. It begins as a report, summarising another conversation or story told by someone else. Sections of the poem are presented in italics as first-person narrative, where the storyteller speaks directly for herself. This has the effect of heightening the sense of sadness she feels.
Colonialism	When a powerful country takes control of a less powerful country	Checking Out Me History- John Agard	<ul> <li>Since the early 17<sup>th</sup> century, the country of Guyana has been colonised and controlled by the Dutch, French and British. The indigenous population spoke Arawak, but the British introduced English as the language of the government, courts and education system.</li> <li>For centuries, nations would repress the culture and identity of the countries that they colonised. They did this to control the population and get rid of any rebellion against the colonisers.</li> <li>Born in Guyana in 1949, Agard moved to Britain in 1977 and so sees the culture as both an insider</li> </ul>	<ul> <li>The poem focuses on the omission of indigenous history and discusses how colonized people were forced to learn about <i>British</i> history—which had little to do with their actual lives.</li> <li>Not only does the poem call attention to the oppressive nature of colonial education, but it also praises important figures who were left out—figures such as Touissaint L'Ouverture, the leader of the Haitian revolution.</li> <li>The poem suggests the curriculum deliberately blinded colonized people to their own histories and argues that in order to understand their own</li> </ul>	<ul> <li>Knowledge should not be denied to anyone. No one has the right to oppress others by denying them facts about their past. This can lead to feelings of inferiority and there should be more equality in the world.</li> <li>History is important and there is power in knowing your heritage and culture.</li> <li>There is a sense of caution in this poem in relation to believing what you are told. We are reminded that we should always seek the truth. The education system has power to mould our thinking and we should be aware of this.</li> <li>There is a warning that, when people are denied to rebellion, protests</li> </ul>	The open form highlights Agard's rebellion against the status quo and the restrictions of a colonial curriculum. His use of italics separates and celebrates the important historical figures from the history he was a taught. The sing-song rhyme scheme holds a bitterness
Dominate	To have power and influence over others		from living there and an outsider from moving to Britain	identity they must learn their own history.	and uprisings.	and anger that he was taught trivial things whilst his own history was omitted.
Defiance	Showing that you don't want to obey someone	The Émigrée- Carol Rumens	<ul> <li>Carol Rumens was born in South London in 1944</li> <li>Published her own poems and translations of Russian poems</li> <li>She has a 'fascination with elsewhere'</li> <li>The Émigrée is not autobiographical poem, but is inspired by living in London (a diverse society)</li> <li>The poem sympathises with people who have been exiled</li> </ul>	<ul> <li>A displaced person pictures the country and the city where they were born. The city and country are never named to increase the relevancy to as many people who have left their homelands as possible.</li> <li>The speaker's home country appears to be wartorn, or under the control of a dictatorial government that has banned the</li> </ul>	<ul> <li>Rumens presents the importance of empathy and sympathy. She reminds us of how traumatic conflict can be and that people are forced to make heart-breaking decisions when they live under cruel leadership.</li> <li>The poem highlights the importance of belonging and is a celebration of diversity – we should make people feel welcome when they move to a new home.</li> </ul>	The use of enjambment reflects the chaos and confusion of her situation. The poem consists of two stanzas with eight lines and a third stanza with nine lines. The added line in the
Isolated	To be far away from other people or places.		<ul> <li>Emigrants are people who have left the country of their birth to settle elsewhere in the world.</li> </ul>	<ul> <li>language the speaker once knew.</li> <li>Despite this, the émigrée's childhood memories are filled with light and happiness. Though there is a clear sense of fondness for the place, there is also a more threatening tone in the poem, suggesting that not all of her memories are happy and that the country she has emigrated is not always welcoming.</li> </ul>	<ul> <li>Memories are shown to be powerful and to have a strong hold over us with the ability to bring both pain and comfort. The past can be difficult to escape and can restrict us from moving forward in life.</li> <li>There is also a sense of the power of the media – their portrayal of immigrants can lead to a lack of sympathy in society; it is important we do not become insensitive to the pain that can lead to people moving to a new home.</li> </ul>	final stanza could suggest she doesn't want to let her memories go, stop writing about her homeland or give up her past.
Dictatorial	Telling people what to do in a forceful and cruel way	Storm on the Island- Seamus Heaney	<ul> <li>For many centuries, there has been conflict in Northern Ireland.</li> <li>The majority of Northern Ireland's population were unionists, who wanted to remain within the United Kingdom. Most of these were Protestant</li> </ul>	<ul> <li>There are two interpretations of this poem-literal and metaphorical.</li> <li>Literal: The narrator describes how well prepared they are for the storm. The storm attacks the</li> </ul>	<ul> <li>Heaney portrays nature as a powerful force that humans should fear and not attempt to control.</li> <li>Heaney presents the idea that life under constant enemy occupation can leave people accepting this presence with sadness, but stop traine to do entitiona ohm if the action if the same statement of the same statement o</li></ul>	Heaney's use of iambic pentameter may appear strange given its use in traditional British poems.
Nostalgia	A warm feeling for the past, particularly a very		<ul> <li>Kingom. Most of these were Protestant Christians.</li> <li>Seamus Heaney was a Catholic born in Northern Ireland in 1939. Catholics were seen as the underclass and were discriminated against by the government and police. This resulted in strong political and guerrilla warfare to overthrow British rule and re-unite Ireland.</li> </ul>	island. As the poem progresses, the narrator's confidence decreases, and they begin to worry. Metaphorical: Heaney uses the storm as a metaphor for the conflict in Northern Ireland. The 'Islanders' suffer under enemy occupation with quiet resignations.	<ul> <li>trying to do anything about it.</li> <li>He warns that the enemy can appear reasonable, but can quickly turn in to a dangerous threat – this threat may not always be physical; the gradual erosion of human rights and liberties is just as perilous.</li> </ul>	However he subverts the traditional structure by swapping the stressed and unstressed syllables on certain lines, resisting the regularity of British control.
	happy time	Tissue- Imtiaz Dharker	<ul> <li>Imtiaz Dharker was born in Pakistan but grew up in Scotland. Her poetry often deals with themes of identity, the role of women in society and the search for meaning.</li> </ul>	<ul> <li>Tissue explores the varied uses of paper and how they relate to life.</li> <li>It is written from the point of view of someone looking out at the conflict and troubles of the</li> </ul>	<ul> <li>Human power is ephemeral. No matter how much we try to build structures to display our power, nature will always outlast it.</li> <li>Our relationship with paper is unhealthy. We rely on it too much to make records, document ownership and build debt. Instead, we</li> </ul>	The poem has an irregular structure and no rhyme scheme reflecting the irregularity of life and the
Fragility	being easily broken or damaged.		<ul> <li>Tissue is from her poetry collection called 'The terrorist at my table'. Most of the poems in that collection relate to religion, terrorism and global politics.</li> </ul>	<ul> <li>modern world; destruction, war and politics, money and wealth as well as issues like terrorism and identity.</li> <li>The poem remarks how nothing is meant to last.</li> </ul>	<ul> <li>should realise that the significance of human life will outlast the records we make of it on paper or in buildings.</li> <li>Human life is fragile, and not everything can last. We must understand our fragility and should not try to build our lives through making recordings or building with blocks and bricks, we should focus on living.</li> </ul>	lack of and predictability. The fragile structure Is symbolic of the fragile nature of our lives.



## Year 11 English: ENGLISH – Poetry cluster 2: The Problem with Power - Grammar



Key Vocabula	ary	The Big Ideas	Notes
Patriotism		Garland questions the importance of honour and patriotism and demonstrates how we must have the individuality to learn for ourselves and not just to follow others.	
Colonialis m		Agard explores the importance of identity and the power of history and education.	
Dominate		Rumens demonstrates impact of dictatorial governments and the power	
Defiance		of memory. She highlights the need for compassion and empathy.	
Isolated		Heaney warns of the dangers of enemy occupation and the emotional toll of silent resignation. Dharker emphasises the fragility of life through the extended metaphor of paper.	
Dictatorial			
Nostalgia			
Fragility			

#### **ENGLISH – A Christmas Carol- Grammar**

1. Context	
Writer: Charles Dickens (1812-1870) Dates: First published in 1843 Genre: Allegorical; a ghost story. Era: Victorian Set: Victorian London Structure: The novella is divided into 5 staves (chapters).	<ul> <li>Biography of Dickens</li> <li>Born in Portsmouth in 1812</li> <li>When Dickens was 12, his father was sent to debtors' prison as he was unable to pay his bills.</li> <li>His mother and youngest siblings were sent with him, whilst Dickens stayed with a family friend. In order to help his family, Dickens had to leave school and work in a factory sticking labels on bottles.</li> <li>Dickens dedicated his life to writing works that revealed the horrors of life in Victorian London for those living in poverty.</li> </ul>
Christmas: 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 audience.	London and inequality: Dickens juxtaposes scenes of middle-class comfort and poverty to emphasise the close proximity and contrast of the different classes. It highlights the Christian concept of 'love thy neighbour'. The urban setting allows Dickens to exercise his fondness for hyperbole, with the exaggerated extremes of poverty adding to the effect of the 'plight of the poor'.
The Poor Law, 1834 In order to deter poor people from claiming financial help, the government made claimants live in workhouses: essentially, prisons for the poor. Dickens hated this law. He spent 1843 touring factories and mines in England and wished to highlight the situation facing poor people. A Christmas Carol was published soon after – in December 1843.	Malthusian Theory The reformation of The Poor Law was partially informed by the writings of Thomas Malthus. Malthus argued that if living standards increased, population would increase and eventually the number of people would be too great for the food that could be produced. As a result, Malthus argued it was important not to support the poor or improve their standards of living, but to allow them to die if they couldn't support themselves because charity would only prolong their suffering.
	society was fascinated by the ums, ghosts, and spiritualism. upernatural was also beavily

However, this belief in the supernatural was also heavily influenced by the church, with the belief that ghosts were souls who were trapped in purgatory (a place of suffering where the souls of sinners were trapped).

#### 2. Key Characters

Ebenezer Scrooge: The protagonist is initially established as an archetypal villain who dismisses the goodwill and generosity associated with Christmas. After being forced to transform, he feels remorse for his avarice and becomes a symbol of Christmas spirit. Scrooge embodies the relentless capitalist spirit of the time, but also demonstrates that everyone has the capacity to reform.

Bob Cratchit: Bob is Scrooge's downtrodden but loyal employee. His family are a symbol of Victorian poverty, cheerfulness in adversity, togetherness and Christmas Spirit. Bob shows pity for Scrooge and provides a contrast to Scrooge's isolation and meanness. His son, Tiny Tim, is an emblem for noble poverty; he accepts his disability without complaint.

Fred: Fred juxtaposes the character of Scrooge and epitomises the concept of goodwill and forgiveness, refusing to be discouraged by his uncle's misery. People speak highly of Fred and his generosity, in contrast to how they speak of Scrooge. Fred shows that Scrooge has chosen isolation and shows forgiveness to Scrooge, welcoming him in Stave Five.

Marley's Ghost: Marley's ghost is the spiritual representation of 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 too will experience the same guilt if he continues to deny people help.

The ghosts: The Ghost of Christmas Past is a symbol of childhood, truth and enlightenment.

The Ghost of Christmas Present represents goodwill, plenty and the festival of Christmas.

The Ghost of Christmas Yet to Come symbolises a catastrophic future for mankind.

Belle: The woman that Scrooge was engaged to when he was a young man. Belle's role is crucial in Scrooge's transformation, as the scenes show Scrooge what he might have had in his life if he had not been so avaricious. Through the character of Belle, Dickens sets emotional love directly against Scrooge's love of money and suggests that avarice can lead to a deprivation of kindness, love and empathy.

3. Central Themes		
Social injustice	Dickens highlights the unfairness within society through the juxtaposition of the poor and wealthy. Through Scrooge's refusal to give to charity and his exclamation that the poor should be in workhouses or die, Dickens illustrates the selfishness of the higher classes and the injustice of wealth distribution in Victorian society. The children, Ignorance and Want, personify the dangerous consequences of allowing poverty to continue.	0
Transformation and redemption	By establishing Scrooge as an archetypical villain, Dickens is able to emphasise the idea that everyone is capable of transformation and redemption. From starting as a greedy, avaricious miser, Scrooge is able to reflect upon his actions and to 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 seeking financial reward but having concern for others. Dickens highlights the importance of trying to make a difference- whether that be large financial contributions (Scrooge), smaller contributions (Fezziwig) or simply showing compassion and kindness to one another.	

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

#### **ENGLISH – A Christmas Carol- Grammar**

The Big Ideas	Notes
Dickens promotes a social responsibility in which he argues that everyone must contribute.	
Dickens suggests that change is possible, and that <b>everyone has capacity to redeem</b> <b>themselves and reform.</b>	
Dickens illustrates the injustice of wealth distribution in Victorian society and highlights the dangerous consequences of allowing poverty to continue	
Dickens uses contrasting <b>characterisation</b> to demonstrate how we must be generous and socially responsible.	
Dickens uses <b>contrasts</b> in setting to highlight social injustice	

## SCIENCE Y10 T2

#### Mendel

- Mendel was a monk that bred pea plants. The importance of his work was not recognised until after his death.
- He cross bred pea plants and counted the different number of offspring produced.
- He found that characteristics were inherited in predictable patterns.
- He explained this by suggesting that there were separate units of inherited material.
- He realised some characteristics were dominant over others.
- Mendel came to this conclusion before chromosomes and DNA had not been discovered.

G = yellow (dominant), g = green (recessive)



genotype - 1 GG:2 Gg:1 gg phenotype - 3 yellow peas:1 green pea

#### **Discovering DNA**

 Observations showed chromosomes and Mendel's 'units' behaved in a similar way.

- Discovery of the structure of DNA led to the idea of genes which explained the mechanism of inheritance.

- What plants did Mendel experiment on? 1.
- What did Mendel's experiments show? 2.
- Why was Mendel's work not recognised until 3. after his death?

#### Theories of evolution

#### Darwin

- Darwin's theory of evolution by natural selection was based on observations from around the world and fossil records.
- This was a controversial theory as it:
- challenged religious beliefs
- . DNA/genes had not been discovered so the mechanism of inheritance could t be explained.
- There was not enough evidence •

#### Wallace and Darwin

- Alfred Russel Wallace independently proposed the theory of evolution by natural selection.
- He worked worldwide gathering evidence for evolutionary theory.
- Darwin quickly published his book 'On the Origin of Species' after receiving a copy of Wallace's work.

#### Lamarck

Jean-Baptiste Lamark's theory of evolution was based on the idea that change that occur in an organism during its lifetime can be original inherited.

#### Speciation

- Wallace is best known for his work on speciation.
- A build up of evidence over time has led to out current \_ understanding of the theory of evolution:
- 1. Isolation: two populations of a species become separated.
- 2. Genetic variation exists between the two populations.
- 3. Natural selection acts differently in the two populations
- Speciation: the two populations become so different they 4. cannot interbreed.



- 1. How did the discovery of DNA reinforce Mendel's observations?
  - 1. How do new species arise?



There is genetic variation within a

population which can be inherited

Adaptation



Competition

2

Overproduction of offspring leads to competition for survival



change in allele frequency (evolution)

ndividuals with beneficial adaptations are more likely to survive to pass on their genes

#### LAMARCK'S GIRAFFE



- 1. What is the name of Darwin's theory of evolution?
- 2. Why was Darwin's theory not accepted at first?
- 3. Which scientist proposed a similar theory to Darwin?
- 4. What was Lamarck's theory of evolution based on?

Variatio

## Science T2 Year 11 Grammar Biology B4.15 – Genetics and Evolution

#### Extinction

Extinction = no remaining individuals of a species still alive on Earth.

#### Factors which could cause extinction:

- New disease
- Rapid change in environment (e.g. meteor/volcano eruption)
- New predators
- New competitors (often man)

#### **Evidence for evolution**

#### Fossils

Fossils are the remains of plants or animals from millions of years ago:

They are formed in different ways:

- Remains of an organism that has not fully decayed as one of the decay conditions was absent (e.g. too cold, not enough O<sub>2</sub>)
- Mineralised forms of the harder parts of an organisms (such as bones)
- Traces of organisms such as footprints or burrows. Many early life forms were soft bodied so have left few traces behind, as they decayed so we cannot be sure how life started on Earth. Many have been destroyed by Earth's rock cycle.

Fossils help us understand how much or little organisms have changed as life developed on Earth.

#### 1. What does 'extinct' mean?

- 2. What are fossils?
- Describe one way fossils can form 3.
- What do fossils show us? 4.
- 5. Why is the fossil record incomplete?
- 6. What factors can cause extinction?

#### **Resistant Bacteria**

- Bacteria evolve rapidly as they reproduce at a fast rate. (reproduce approx. every 20 mins)

- Mutations of bacteria can produce new strains.

- Some strains are resistant to antibiotics (so are not killed).
- They survive and reproduce population of resistant strain rises.

- Resistant strain will spread because people are not immune and there is no effective treatment.

#### - MRSA is resistant to antibiotics.





There is variation in the bacterial population. One bacterium develops a mutation by chance that means it is resistant to an antibiotic.

The antibiotic kills some of the bacteria. the resistant bacterium survives and reproduces.

#### How to reduce antibiotic resistant strains:

- Doctors should not prescribe antibiotics for viral infections

- Patients must complete courses of antibiotics

- Agricultural use of antibiotics should be restricted.

#### 1. Why do bacteria evolve rapidly?

- 2. What can cause new strains of bacteria?
- 3. Name a bacteria which is resistant to antibiotics.
- What are the three ways to reduce 4. antibiotic resistance strains?

#### **Evolutionary trees**



3. What does 'binomial' mean?



## Science T2 Year 11 Grammar Biology B5.16 Adaptations, interdependence, and competition

#### Ecosystems

An ecosystem is all the living organisms within an area (community) plus the physical habitat

-	ndividual
-222	Population
	Community
	Ecosystem

#### Interdependence

Organisms rely on each other for...

- Food
- Shelter / nesting sites
- Seed dispersal



#### photosynthesises

#### Competition

Competition between organism occurs when resources within an ecosystem are limited.

Animals and plants compete for different resources.

Plants	Animals
Light Space Minerals ions Water	Food Mates Territory

What is a community? 1.

- What is an ecosystem? 2.
- Give two things that animals rely on plants for 3.
- Give two things that plants rely on animals for 4.
- What is the term given to the predator at the very top of a 5. food chain?
- Why are green plants known as producers? 6.
- 7. Name two resources plants compete for
- 8. Name two resources animals compete for

<b>Biotic and Abiotic Factors</b> Factors that affect the number of organisms		
Biotic – living Abiotic – non-living		
<ul> <li>availability of food</li> <li>new predators arriving</li> <li>new pathogens</li> <li>one species outcompeting another so the numbers are no</li> <li>longer sufficient to breed.</li> </ul>	<ul> <li>light intensity</li> <li>temperature</li> <li>moisture levels</li> <li>soil pH and mineral content</li> <li>wind intensity and direction</li> <li>carbon dioxide levels for plants</li> <li>oxygen levels for aquatic animals.</li> </ul>	
Plant adaptations		
<u> </u>		



- deep roots
- thin/no leav
- Spines to st

Ionger sufficient to plants     breed.     oxygen levels for aquatic     animals.	volume ratio = $\downarrow$ heat
Plant adaptations         Image: Straight of the stra	Fur colour camouflaged with snow Large surface area to volume ratio = ↑ heat loss Thin fur Thin fur Thin fur Extremophiles Extremophiles are organisms that live in extreme environments. Extreme environments = high temperatures, high pressure or high salt concentration. E.g. bacteria living in deep sea vents = extremophiles.
<ol> <li>Name two biotic factors that can affect organisms within a habitat</li> <li>What does the term 'abiotic' mean?</li> <li>Name two abiotic factors</li> <li>Why do some plants have spines instead of leaves?</li> <li>Name two ways plants are adapted for living in desert climates.</li> </ol>	<ol> <li>Name the three types of adaptations</li> <li>Name one behavioural adaptation</li> <li>How are animals adapted to live in cold climates?</li> <li>What are extremophiles?</li> <li>What is the surface area : volume ratio like on desert animals?</li> <li>Give an example of an extremophile</li> </ol>

#### **Animal Adaptations**

Small surface area to

bright colours, camouflage)



Thick layer of

Structural - a feature of the organism's body (e.g. thick fur,

Functional - a body process (e.g. camel breaking down hump of fat into water, producing little urine

Behavioural - responses from the organism (e.g. hibernation, migration, huddling together)

Can be:

## Science T2 Year 11 Grammar Biology B5.16 Adaptations, interdependence, and competition

#### Required practical – Estimating Populations (Measuring abundance)

- 1. Calculate area of site.
- 2. Divide site up into a numbered grid
- 3. Use a random number generator to pick coordinates.
- 4. Randomly throw the 0.25m<sup>2</sup> quadrat at those coordinates.
- 5. Count the number of particular organism in the quadrat.
- 6. Repeat steps 3-5 ten times (minimum).
- 7. Calculate mean number of organism.
- 8. Calculate estimated number organism in site using the following equation:

 $\frac{\text{area of site}}{\text{area of quadrat}} x \text{ mean}$ 



#### Required Practical - How populations may change over a distance (Measuring distribution)

- 1. Place tape measure (a transect line) through ecosystem being investigated.
- 2. Place quadrat at regular, random intervals along the transect line and count the number of particular organisms.
- 3. Draw a distribution graph of your results. (They might look like this.)





- 1. What is the minimum number of times the organism should be counted when estimating population size?
- 2. What is a quadrat?
- 3. What is the equation used to estimate population size?
- 4. How can you ensure the quadrat is randomly placed throughout the site?

- 1. What is a transect line?
- 2. What is a transect line used to investigate?
- 3. How is the quadrat placed?

#### Magnets

- Have two poles - north and south.



- Like poles will repel each other (e.g. N-N or S-S)
- Opposite poles will attract (e.g. N-S)
- Magnetism is a non-contact force magnets do not need to be touching for effect to be observed.
   Magnetic materials: only iron/steel, cobalt and nickel are magnetic.

#### Types of magnets

#### Permanent magnet

- Produces its own magnetic field.
- Magnetism cannot be turned on or off.

#### Induced magnet

- Induced magnet = a material which becomes magnetic when placed in a magnetic field.
   Induced magnets only attract other materials and lose magnetism when removed from the magnetic field.
- 1. Name the two poles on a magnet.
- 2. What will like poles do?
- 3. What will opposite poles do?
- Why is magnetism a 'non-contact' force?
- 5. Which metals are magnetic?

1. What are the two types of magnets?

2. Name two differences between these two types of magnets.

#### **Magnetic Fields**

Magnetic field = the area surrounding a magnet where the force will act on another magnet or magnetic material.

Magnet field is strongest at the **poles** where the field lines are **closest together**.

- Field lines always go away from magnetic north and towards magnetic south.

#### Earth's Magnetic Field

- Earth produces a magnetic field.
- Magnetic compasses use this to help navigation.
- The core of the Earth is made of iron (magnetic).

#### **Plotting Magnetic Field Lines**

A magnetic compass can be used to plot and draw the magnetic field lines around a magnet.

#### You need to be able to describe this method!

- 1. Place the bar magnetic in centre of paper.
- 2. Place a plotting compass at one end of the magnet.
- 3. Put a pencil dot at the place the compass arrow is pointing to
- 4. Move the compass to line up the tail of the compass needle to the dot you just made.
- 5. Repeat until you reach the other end of the magnet



6. Join the dots using a line – this is the magnetic field line. Mark on the direction the arrow pointed – it should run N→S

#### 1. What is a magnetic field?

- 2. Where is the magnetic field the strongest?
- 3. Which direction do the field lines go?
- 4. Draw the magnetic field around a bar magnet.
- 5. What is the Earth's core made of?
- 6. What can the Earth's magnetic field be used for?

1. Describe a method to plot the magnetic field of a bar magnet.

#### **Electromagnetism**

- When a current passes through a wire, a **magnetic field** is produced
- The direction of the field can be found by the right hand thumb rule Direction of magnetic field
- curl the fingers of the right hand around the wire and point the thumb in the direction of the current (+ to -)
- current (+ to -) The direction of the circular field is shown by the fingers
- Strength of magnet can be increased by increasing the current
- When the current is switched off, the magnetic field is lost

Direction of current

#### Coiling the wire will form a **solenoid**.



To increase strength of magnetic field around a solenoid you can:

- Add an iron core
- Increase number of turns in coil
- Increase the current passing through wire

#### **Electromagnets**

- Electromagnet is a solenoid with an iron core.
- Are induced magnets (can be turned on and off)

Uses = electric motors, loudspeakers, electric bells, scrapyards.

- 1. What is produced when a current flows through a wire?
- 2. How can you increase the strength of a magnetic field of a straight wire?
- 3. What is produced when you coil the wire?
- 4. How can you increase the magnetic field around a solenoid? (3 ways)
- 5. What is an electromagnet?
- 6. What is meant by induced magnet?
- 7. State 2 uses of electromagnets.



#### The Motor Effect (HT only)

- When a wire carry a **current** is placed in a magnetic field, the two magnetic fields interact and a **force** is exerted on the wire.
- This is called motor effect.
- The force produced by the motor effect can be calculated using:



Force (N) = magnetic flux density (T) x current (A) x length (m) F = B x | x l

For example: A current of 8A is flowing through a wire that is 75cm long. The magnetic field acting at a right angle on the wire is 0.5T. Calculate the force.

Remember: the equation uses length in m. The question has given you the length in cm so you need to convert it before you answer.

```
F = 0.5 \times 8 \times 0.75
F = 3N
```

- If current flowing through wire is **parallel** to magnetic field, **no force** is produced.

#### Fleming's left-hand rule.

You may be asked a diagram and asked to indicate direction of force.
You can use Fleming's left-hand rule to do this (picture)

Remember (FBI):

- Use your left hand!
- The angle between index and middle should be **right angle**.
- Thumb = direction of **force**
- First finger = direction of magnetic field
- Second finger = direction of **current** through wire.

#### 1. What is the 'motor effect'?

- 2. State the equation for calculating the force produced by the motor effect.
- 3. What happens to the force if the current flowing through the wire is parallel to the magnetic field?
- 4. What is Fleming's left-hand rule used to indicate?
- 5. What does your thumb represent?
- 6. What does your first finger represent?
- 7. What does your second finger represent?

#### Electric Motors (HT only)

- When wire carrying current is **coiled**, the motor effect causes wire to **rotate**.
- This is how an electric motor works. Coil Rotating in



- Current flows force produced acts in **opposite directions** causing coil to **rotate** overall.

- When coil reaches a **vertical position**, force is parallel so would be zero – stops rotating.

- A gap in the **split ring commutator** in the motor cuts the current temporarily.



- Momentum ensures the coil carries on moving
- The commutator reconnects and **changes the direction of the current** to maintain a **constant rotation** in one direction overall.
- Increase speed of rotation by increasing the:
- current
- strength of magnet
- number of turns on the coil

1. What happens when a wire carrying a current is coiled?	
11 70	

- 2. How does an electric motor work?
- 3. Why is a split ring commutator used?
- 4. How can we increase the speed of rotation of the motor?



#### The generator effect

- Movement can be used to produce a current in a wire.
- When a coil of wire spins in a magnetic field an electrical current is produced. An alternating current is induced.
- This is called the generator effect.
- This also works of you keep the coil still and move the magnetic field.
- The current in the conductor produces a magnetic field, which acts to oppose the change. 3. Current flows such that the magnetic



## Factors affecting induced potentials

The size of the induced potential in the generator effect depends on:

- The size/strength of the magnetic field (increasing the magnetic field increases the induced potential)
- The number of turns on the solenoid (increasing the number of turns increases the induced potential)
- The speed of movements/changes to the magnetic field faster changes increases the induced potential)



#### Alternating current generator



- An alternating current is also called an alternator.
- Each end of the coil of wire spins inside the magnetic field and makes contact with a complete loop of conductor that is connected to the rest of the circuit.
- Every 180° turn the current flips direction.
- This produces and alternating current.

- A direct current generator is also called a dynamo
- A commutator can be used to generate a direct current.
- The commutator prevents the current flipping direction every half turn.
- This ensures the current only flows in one direction.

- How does an alternating current generator
- How does a direct current generator work?

#### Moving coil sound devices

- Microphones and speakers are moving coil devices.
- The moving coil is attached to a cone.
- In loudspeakers and headphones an induced current causes the cone to vibrate the air around it causing a sound wave.
- In microphones sound waves move the cone causing a changing current to be induced on the coil.

#### How a moving coil device works



- 1. A force is produced in the coil of a wire by placing it in a magnetic field and turning on the current.
- 2. The current alternates in direction, varying the size of the current.
- 3. The coil moves back and forth.
- 4. The coil is joined to a cone which moves with it.
- 5. The cone vibrates the air according to the current.
- 6. The current transfers the information about the sound.

#### Transformers

- A transformer is a device used to change an alternating voltage.
- They contains two coils of wire wrapped around an iron core.
- Transformers are used in the National Grid to distribute electricity.



#### **Step Up Transformer**

- A step-up transformer increases the voltage and decreases the current of the a.c. input
- The primary coil has less coils than the secondary coil.
- This increases efficiency by reducing the amount of energy wasted as heat

#### **Step Down Transformer**

- A step-down transformer decreases the voltage and increases the current of the a.c. input
- The primary coil has more coils than the secondary coil.
- This lowers the voltage so it is safe to use.

#### **Transformer Equation**

primary potential difference secondary potential difference <u>number primary turns</u> number secondary turns

 $\frac{V_p}{V_s} = \frac{n_p}{n_s}$ 

- 1. What is a moving coil device?
- 2. How does a speaker work?

- 1. What is a transformer?
- 2. What is the difference between a step-up and a step-down transformer.
- 3. Why are step-up transformers used in the National Grid?
- 4. What are step-down transformers used in the National Grid?



## GCSE Geography. Paper 2. 2. Economic world. UK futures



1. Economic change in the UK		
0 OK employment share (%)	ndustrial Industrial Post-industrial	
Primary	A due to mechanisation.	
Secondary	due to industrial revolution then due to de-industrialisation.	
Tertiary	due to wealth (A disposable income)	
Quaternary	High-tech jobs including research and IT.	
Why has our economy changed?		
De-indust- rialisation	The decline of a county's traditional manufacturing industry due to exhaustion of raw materials, loss of markets and competition from NEEs.	
Government policies	A plan decided by a government to manage issues in a country.	
Global- isation	The process which has created a more connected world; with increases in the movement of goods/people worldwide	

## 2. Post industrial economy

Tertiary and quaternary sector employed 81% in 2011.		
IT	Employs over 60,000 people.	
Services	Retail is the largest sector. Employs 4.4mill	
Finance	London is the world's leading centre. HSBC	
Research	Government invested £30bill in 2013.	
Science parks	Groups of <u>high tech</u> industries and those doing scientific research. Located near	
	universities (for graduates, share facilities).	
Business parks	Purpose built areas of offices and	
	warehouses (on edge of cities as less	
	congestion, cheaper, good transport links).	

3. Environmental impact of industry		
Air and water pollution. Soil degradation.		
Releases CO <sub>2</sub> increa	asing the rate of global warming.	
Transport of mater	ials is by road 켜 air pollution.	
Example of modern industry being		
environmentally sustainable		
Google	London Landscraper started 2018.	
686 bikes spaces	Encourages cycling to work.	
4 car spaces	< congestion/CO <sub>2</sub> emissions.	
Solar panels.	Reduces fossil fuel consumption	
19,800 kWh	and reduces carbon footprint.	
Rooftop	Urban greening. < CO <sub>2</sub> . Collects	
gardens	rainwater. Encourages wildlife.	

4. Chang	es in the rural landscape
Population	Outer Hebrides
decline	(away from cities, limited opportunities).
Constal.	Peclined by >50% since 1901.
Social	A aging population = care issues.
changes	I Less children > schools shut.
Economic	Services close ie post offices.
	å ↑ tourists but infrastructure not there.
changes	Government subsidies cost of ferries.
Population	South Cambridgeshire
growth	(near large cities, people can commute).
	Migrants from Cambridge, some now
Casial	from Eastern Europe too.
Social changes	Proportion of elderly increasing (>65).
	80% car ownership = > congestion.
	🛉 Young people are costed out.
Economic	å ∱house prices. Less affordable
changes	housing
	å Petrol prices ↑.

## 5. Improvements in infrastructure

Road	Upgrading 'Smart motorways' M4. Variable
	speeds, reducing accidents, extra lanes.
	2014 Road investment strategy £15 bill.
	New construction jobs, boost economy.
Rail	Crossrail in London. Puts extra 1.5 million
	within 45 mins commute of capital city.
	HS2 to reduce journey times. London to
	Manchester in 1 hr 8 minutes.
Port	Liverpool 2. Doubles capacity to over 1.5
	million containers a year.
	96% of UK imports/exports through ports.
Airports	Heathrow expansion. 3rd runway £18.6bill

### 6.. North-South divide

Causes	Decline of heavy industry in North (coal) Investment in finance and service industry in the South Investment in infrastructure in South
Impacts in north	Higher unemployment / lower wages (40%) Poor health, lower life expectancy (10 yrs) Poor education. There are SOME exceptions

## Strategies attempting to resolve regional differences

Give more power to local councils and
Welsh and Scottish governments.
Plan best how to use their money.
A plan to attract investment to north.
Improve transport links to northern
cities. e.g. HS2, Liverpool2.
BUT just a CONCEPT not a plan.
55 EZs to encourage businesses to set
up in areas of high unemployment.
Reduce taxes, simple planning rules,
superfast broadband to the area.
Created more than 15,000 jobs.





1. Econ	omic change in the UK
0 UK employment share (%)	re-industrial Industrial Post-industrial
Primary	
Secondar	y l
Tertiary	
Quaternar	
Why has o	our economy changed?
De-indust rialisatior	
Governmer policies	nt
Global- isation	
2. Post	industrial economy
	nd quaternary sector employed 81% in 2011.
IT	
Services	
Finance	
Research	
Science	
parks	
Business	
parks	

3. Environmental impact of industry	
Example of m	odern industry being
environmentally sustainable	
Google	
686 bikes spaces	
4 car spaces	
Solar panels.	
19,800 kWh	
Rooftop	
gardens	

4. Chang	es in the rural landscape
Population decline	
Social changes	
Economic changes	
Population growth	
Social changes	
Economic changes	

5. Improvements in infrastructure	
Road	
Rail	
Port	
Airports	

6 North-South divide		
Causes		
Impacts in north		
Strateg	ies attempting to resolve	
regiona	al differences	
Devolvin	ng	
more		
powers	,	
Norther Powerhou		
Enterpris Zones	5e	

GCSE History	: The Medical	<b>Renaissance</b> in	England	c1500-1750
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	y this term:
.2 Approaches to	e cause of disease and illness treatment and prevention and dealing with the Great Plague in London (1665)
Α.	Can you define these key words?
apothecary	A person who mixes herbal remedies and treated patients as an alternative to a doctor as they were cheaper.
oarber surgeon	Barbers and surgeons who also performed minor operations such as the removal of warts
Dissection	Criminals sentenced to death had their bodies cut open (dissected) by physicians and medical students.
iatrochemistry	Chemical cures for a disease.
humanism	A belief that humans could make up their own minds when it came to discovering the truth around them.
transference	The idea that an illness or disease could be transferred to something else.
quack doctor	Somebody who did not have any medical qualifications but sold their services as a doctor or apothecary.

C.	The Great Plague (2.3)
What is the Great Plague?	Bubonic plague – outbreak in 1665 from June to November. One in five people died. Last serious outbreak of the disease in England.
Causes	Sent by God, unusual planet alignments, Miasma (sewage and rubbish in cities, people thought the foul fumes were held in the soil and escaped during warmer weather- seemed logical as the plague was worse in the summer months)
Treatmen Causes ts	Sweating out the disease – sit in thick woollen clothes by the fire. Transference was tried (strap chicken to buboes). Quack doctors mixed herbal remedies.
Prevention	Pray and repent sins, carry a pomander, chew/smoke tobacco, light fires, wear masks (plague doctors), fasting, quarantining, banning of large crowds, searchers appointed, streets cleaned, stray animals killed, plague water (apothecaries),

B. Change and continuity in ideas about disease and illness in the Medical Renaissance. (2.1-2.2)			
Causes	Prevention	Treatments	
The Theory of the Four Humours – Although many physicians were starting to challenge Galen's ideas, most people continued to believe that illness was caused by an imbalance of humours.	advice from the Regimen Sanitatis. People were advised to practice	Transference – a popular new theory that disease could be transferred to something else. E.g. rubbing warts with an onion to 'transfer' the warts to the onion. People also tried to transfer illness to live animals, such as sheep or chickens.	
Miasma – Most people still believed that miasmata caused disease (spread by bad smells/air) – especially popular during epidemics.	Purifying the air –Miasma was still widely believed so people continues to clan the air. Sewage and rubbish were picked up from streets and bonfires were lit in public to ward off foul smells.	Hospitals – greater emphasis on curing not caring (unlike in medieval). Number of hospitals decreased significantly due to the Dissolution of the Monasteries. Pest houses were a new type of hospital that cared only for plague or pox victims – limits risk of infecting others.	
Astrology – although not as popular as in the Medieval period, people still believed that astrology influenced disease. Some blamed the 1665 plague on unusual planet alignments.	Role of the government – Took a more active role in preventing disease. Homeowners were fined for not cleaning the street outside their house, criminals would pick up rubbish as a punishment.	Chemical cures – alchemy led to the new science of medial chemistry. This involved looking for chemical cures rather than relying on herbs or humoural theory. New remedies such as mercury and antimony were used to purge the body and they encouraged sweating and vomiting.	
Religion – Most people now realised that God did not send disease. Although, in desperate times (epidemics) they still turned to religion.		Herbal remedies – Continued to be used but were now chosen because of their colour or shape e.g, yellow herbs were used to treat jaundice (yellowing of the skin). New herbs appeared from the New World and were used to treat disease e.g. Ipecac (dysentery) and cinchona bark (malaria).	
		Humoural Treatments – Despite new approaches many people still believed in humoural treatments like purging and bloodletting.	

D. Key People (2.3)			
Sydenham	Vesalius	Harvey	
Known as the 'English Hippocrates' he refused to rely on medical books and instead believed that physicians should closely observe and record their patient's symptoms. Using this method, he was able to prove that measles and scarlet fever were separate diseases, even though he couldn't identify the microbes that caused each. This laid the foundations for future individuals to take a more scientific approach to medicine.	His 1543 book On the Fabric of the Human Body included many detailed drawings of the human body. He carried out dissections on executed criminals and found approximately 300 mistakes in Galen's work. Vesalius encouraged other doctors to carry out dissections rather than relying on old books, laying the foundation for others to investigate the human body in more detail.	Discovered the circulation of the blood. Stated that the heart acted as a pump, pumping blood around the boy in a one-way system. This disproved Galen's theory that blood was made in the liver and burned up by the body. However, his discovery had a limited impact on medicine at the time as it offered no practical use in the treatment of disease.	

E.	Improved Communications (2.1)
Printing Press	In 1440 Johannes Gutenberg created the world's first printing press. By 1500, there were hundreds of presses in Europe. This new printing press enabled information to be spread accurately and quickly. Text no longer had to be copied by hand, meaning there were fewer mistakes and inconsistencies. It also meant that scientists could publish their work and share it across Europe much faster than when the work had to be copied by hand. The printing press also took book copying out of the hands of the Church. This meant that a much wider variety of subjects were written about, whereas before most books were about religious topics. The Church was no longer able to prevent ideas they disapproved of being published. For example, physicians could now publish works criticising Galen.
Royal Society	Scientists wanted to talk to each other about their new discoveries and share new ideas. This led to the founding of the Royal Society. The Royal Society met for the first time at Gresham College in London in 1660. Its aim was to promote the sharing of scientific knowledge and encourage argument over new theories and ideas. In 1662, the society received its royal charter from Charles II, who has a keen interest in science. The support of the king gave the society credibility: if the king approved if and supported them, clearly they were doing something right. It also raised their profile. More people sent their work in to be published or were willing to donate money to support the scientific work of the Royal Society. In 1665 the Society began publishing their scientific journal, <i>Philosophical Transactions</i> . It was the world's first scientific journal , and it continues to be published today. The society also offered funding for translations of European scientific texts. It encouraged its member to write their report sin English instead of Latin to make it more accessible. The Royal Society made it possible for physicians and scientists to access and study each other's research. It was therefore very important in the development of new medical ideas.

F.	Care in the community and in hospitals (2.2)
Hospitals	Hospitals – greater emphasis on curing not caring (unlike in medieval). As a patient in a hospital you could expect a good diet, a visit from a physician and medication (own apothecary usually on site) Number of hospitals decreased significantly due to the Dissolution of the Monasteries. This dramatically changed the availability of hospital care in England as the vast majority of hospitals were connected to the Church and so few were able to stay open following the dissolution. Some smaller hospitals opened up to fill the gaps left by the dissolution of the monasteries, funded by charities, but there was a big change in the amount of medical treatment provided by hospitals. Many hospitals reopened without their religious sponsors. However, it took a long time for the amount of hospitals to return to what it had been before the dissolution of the monasteries.
Pest Houses (plague houses, poxhouses)	Pest houses were a new type of hospital that cared only for plague or pox victims – limits risk of infecting others. These hospitals specialized in one particular disease. Versions of these had existed in the Middle Ages e.g. lazar houses for people suffering with leprosy. There was a growing understanding that disease could be transmitted from person to person so these new hospitals began to crop up. They provided a much-needed service. Traditional hospitals would not admit patients who were contagious, but people suffering from serious, contagious diseases had to go somewhere or risk infecting their families.
Community Care	In spite of changes to hospitals, most sick people continued to be cared for at home. Local communities were very close-knit which meant that there were plenty of people around to give advice and share remedies. Women continued to play an important role in the care of the sick. We don't know a great deal about these women, but we know that a lot of them were prosecuted by the London College of Physicians for practicing medicine without a licence. They usually mixed and sold simple herbal remedies. Reports suggest they were very popular likely because they were cheaper than going to a licensed physician or apothecary.

GCSE History : The Medical Renaissance in England c1500-1750

#### What we are learning this term:

1.1 Ideas about the cause of disease and illness
 1.2 Approaches to treatment and prevention
 1.3 Key Individuals and dealing with the Great Plague in London (1665)

А.	Can you define these key words?
apothecary	
barber surgeon	
Dissection	
iatrochemistry	
humanism	
transference	
quack doctor	

C.	The Great Plague (1.3)		
What is the Great Plague?			
Causes		-	
Treatments			
Prevention			

<u>Causes</u>	Prevention	Treatments

D. Key People (2.3)			
Sydenham	Vesalius	Harvey	

E.	Improved Communications (2.1)
Printing Press	
Royal Society	

F.	Care in the community and in hospitals (2.2)
Hospitals	
Pest Houses (plague houses, poxhouses)	
Community Care	

GCSE H	listory : The Medical Renaissance in England c1500-1750	B. Change and continuity in ideas about disease and illness in the Medical Renaissance. (1.1-1.2)						
What we are lea	arning this term:	Causes	Prevention	Treatments				
1.2 Approach	ut the cause of disease and illness es to treatment and prevention duals and dealing with the Great Plague in London (1665)	The Theory of the Four – Although many physicians were starting to	Lifestyle advice – Physicians still gave advice from the People were advised to practice moderation in all	– a popular new theory that disease could be transferred to something else. E.g. rubbing warts with an to 'transfer' the warts to				
A.	Can you define these key words?	challenge ideas, most people continued to believe that illness was caused by an	things – that meant avoiding too much , fatty foods, strong alcohol and laziness became less	the onion. People also tried to transfer illness to live animals, such as sheep or chickens.				
apothecary		of humours.	fashionable because people thought was caught from bathing in public bathhouses.					
barber surge	on							
Dissection		Nana anala atu	the sign Missey was still					
humanism		Miasma – Most people still believed that miasmata caused disease (spread by bad ) – especially	widely believed so people continues to clan the air. Sewage and were picked	Hospitals – greater emphasis on not caring (unlike in medieval). Number of hospitals significantly due to the Dissolution of the Monasteries. Pest houses were a new type of hospital				
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C.	The Great Plague (1.3)							
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۵ ۵	Sent by God, unusual planet, Miasma (sewage and rubbish in cities, people thought the foul fumes were held in the soil and during warmer weather- seemed logical as the plague was worse in the months)	alignments.	punishment.	encouraged sweating and vomiting.				
Causes		Religion – Most people now realised that did not send		were now chosen because of their or				
Treatments	out the disease – sit in thick woollen clothes by the fire was tried (strapto buboes). Quack doctors mixed herbal remedies.	disease. Although, in times (epidemics) they still turned to religion.		shape e.g, yellow herbs were used to treat jaundice (yellowing of the skin). New herbs appeared from the and were used to treat disease e.g. Ipecac (dysentery) and cinchona bark (malaria).				
	Pray and repent sins, carry a, chew/ smoke , light fires, wear (plague doctors), fasting, , banning of large crowds, searchers appointed, streets, stray animals killed, plague			Humoural Treatments – Despite new approaches				
Prevention	(apothecaries),			many people still believed in humoural treatments like and				

D. Key People (2.3)								
Sydenham	Vesalius	Harvey						
Known as the 'English' he refused to rely on books and instead believed that physicians should closely observe and record their patient's Using this method, he was able to prove that measles andfever were separate diseases, even though he couldn't identify the that caused each. This laid the foundations for future individuals to take a more approach to	His 1543 book On the Fabric of theBody included many detailed of the human body. He carried out on executed and found approximately mistakes in Galen's work. Vesalius encouraged other doctors to carry out dissections rather than relying on old, laying the for others to the human body in more detail.	Discovered the of the Stated that the heart acted as a, pumping blood around the boy in a one-way system. This Galen's theory that blood was made in theand burned up by the body. However, his discovery had a impact on medicine at the time as it offered no use in the treatment of disease.						

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F.	Care in the community and in hospitals (2.2)						
Hospitals	Hospitals – greater emphasis on curing not (unlike in medieval). As a patient in a hospital you could expect a good diet, a visit from aand medication (own usually on site) Number of hospitals significantly due to the Dissolution of the This dramatically changed the availability of hospital care in England as the vast majority of hospitals were connected to the and so few were able to stay open following the dissolution. Some smaller hospitals opened up to fill the gaps left by the dissolution of the monasteries, funded by, but there was a big change in the amount of medical provided by hospitals. Many hospitals reopened without their religious However, it took a long time for the amount of hospitals to return to what it had been before the dissolution of the monasteries.						
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Community Care	In spite of changes to hospitals, most sick people continued to be cared for at home. Local were very close-knit which meant that there were plenty of people around to give advice and share continued to play an role in the care of the sick. We don't know a great deal about these women, but we know that a lot of them were prosecuted by the London College of Physicians for practicing medicine without a They usually mixed and sold simple remedies. Reports suggest they were very popular likely because they were than going to a licensed physician or apothecary.						

## Year 11 Religious Education: Peace and Conflict

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Α.	Can you define these key words? What we are exploring this term: Pacifism . Protest. Terrorism. Weapons of mass destruction Just war							
Key wor	d	Key definition	С	violent protest or terrorism acceptable?				
Forgivene	ess	Pardoning someone for wrongdoing	Ŭ	• •	i			
Greed		Going to war to gain land or natural resources such as oil		<ol> <li>A small minority of Christians may say yes if it truly brings an end to suffering- love thy neighbour and 'free the</li> </ol>	as Jesu	t Christians consider terrorist acts of violence to be wrong, us did not accept violence. He said 'put your sword pack in e' when his disciple tried to protest against his arrest.		
Holy War		A war that is fought for religious reasons, usually backed by a religious leader		oppressed' 2. A small minority of Muslims may agree	2. Musl	ims do not agree with terrorism because terrorist acts of e are considered to be wrong and against the wishes of		
Just War		A Christian theory that asks whether a war is fought justly		due to the duty of jihad to defend the faith against true oppression.		specially as the victims are usually innocent people. There stification for terrorist acts in the teachings of Islam- Qur'an		
Justice	to the law or God's will A belief that all forms of violence are wrong, commonly held by Quakers			<ol><li>A humanist may agree in a rare occasion if it truly had the best</li></ol>	3. Hum	at innocents much not be harmed. anists might say that it does not help human wellbeing as it		
Pacifism				consequences for humanity as a whole 4. Hindus may point to their warrior class to	created disorder and fear. As such the consequences are rational seen to be not worth it.			
Conflict		A serious disagreement The struggle to defend against that which		justify a god given right to fight if needed		ndus might argue that all violence is wrong (Ahimsa) as it es bad karma and keeps us in the cycle of samsara		
Jihad		threatens Islam/ the internal struggle to defend						
		against temptation that might lead you away from God	Е	Is pacifism wrong? Yes		No		
Protest		A public expression of disapproval, often in a big group, can be peaceful or violent						
Reconcilia	Reconciliation Restoring friendly relationships after a war or conflict			<ol> <li>The Muslim duty of Jihad suggests pacifisities be wrong</li> <li>Christians are called to 'free the oppressed'</li> </ol>		<ol> <li>It works- see Ghandi and Martin Luther King</li> <li>Christians believe 'blessed are the peacemakers'</li> <li>Muslims believe that greater Jihad is the struggle to</li> </ol>		
Retaliatio	n	Deliberately harming someone as a response to them harming you		<ul><li>'protect the weak and needy</li><li>3. Humanists may argue that pacifism is not</li></ul>		defend the faith against the internal struggle to fall from the right path		
Self-Defe	nce	Protecting yourself or others from harm		reasonable or realistic in a world of violence and 4. Innocent people should r		4. Innocent people should not be harmed in all religions and pacifism is the only way to truly ensure this		
Terrorism	I	Using violence in order to further a political or religious message						
D	What a	re the rules of the just war theory?		Can just war theory make war fair?				
<ol> <li>There must be a just cause such as to defend</li> <li>Intentions must be to do good and overcome evil</li> <li>War must be started by legitimate authority</li> <li>Innocents must not be harmed</li> <li>Force and damage must be proportionate to the good done by the war</li> <li>War must be the last resort</li> <li>There must be a reasonable chance of success</li> </ol>				<ol> <li>Yes as it protects innocents</li> <li>Yes as it allows us the right to self defeasion.</li> <li>Yes as it has to be the last resort so it really is the only option left</li> <li>It will mean the war is for a good/fair reand not pointless greed</li> <li>It means nuclear weapons can't be used</li> </ol>	is eason	<ol> <li>No as innocents will always be harmed in war</li> <li>A 'legitimate' authority could still be corrupt</li> <li>You never know the harm of war until many years later so you can't calculate whether it is proportionate</li> <li>You cannot know whether it will be successful until you have fought it</li> <li>For success someone will have to use a greater force so the 'proportionate ' rule will never be followed</li> </ol>		
В.	Religiou	s and non religious beliefs about weapons of mas	ss des	truction				
1	t is wron	g to damage the environment which is God's perfect	creatio	on. It would be a form of blasphemy to destroy (	God's Sac	sred work.		
2	They hur	t many innocent people and this is against all religiou	s teac	hings. Lif e is a sacred God given gift and only	God has t	the right to take life.		
	For huma	anists, if their use means we can end more human su ole.	ffering	than the weapons cause, then there might be	a possibl	e circumstance in which they could be deemed		

## Year 11 Religious Education: Peace and Conflict



A.	Cai	n you define these key words?	W	What we are exploring this term: Pacifism . Protest. Terrorism. Weapons of mass destruction Just war				
Key word	<u>d</u>	Key definition	С	C Is violent protest or terrorism acceptable?				
Forgivenes	SS			1.	1.			
Greed								
Holy War				2.	2.			
Just War								
Justice				3.	3.			
Pacifism								
Conflict				4,	4.			
Jihad								
			Е	Is pacifism wrong? Yes		No		
Protest								
Reconcilia	ition			1.		1.		
Retaliation	n			2.		2.		
Self-Defen	nce			-		3.		
Terrorism				3.		4.		
						1		
D	What a	re the rules of the just war theory?		Can just war theory make war fair?				
	1. 2.			1.		1.		
	2. 3.			2.		2.		

		GCSE Unit 7 SPANIS		rganiser.	Key Verbs						
	are learning th	•	Global Issues 7.1F Protegie	ndo el medio ambiente	Reciclar To recycle	<u>Ir</u> To go	<u>Apagar</u> To turn off		<u>Hacer –</u> to do/make	Encender To turn on	
A. Talking about reusing things, reducing waste and recycling		la basura	rubbish o consumo)(low-energy)	Reciclo I recycle	Voy Apago I go I turn off			Hago I do	Enciendo I turn on		
B. Talk envi	<ul> <li>B. Talking about ways of protecting the environment</li> </ul>		light bulb el combustible combatir	fuel to fight, to combat	Reciclas You recycle	Vas You go	Apagas You turn off	:	Haces You do	Enciendas You turn on	
D. Talk	D. Talking about homelessness		la contaminación atmosférica desaparecer	air pollution to disappear	Recicla Sh/e recycles	Va s/he goes	Apaga He/she turns	off	Hace s/he does	Encienda He/she turns on	
1. la lib	ords for this te	4. el destrozo 5. violento/a	el desastre desconectar	disaster to disconnect, to unplug,	Reciclamos We recycle	Vamos They go	Apagamos We turn off		Hacemos We do	Encendemos We turn on	
3. asis	samientos tir a	6. la culpa	switch off deshacer los desperdicios	to undo rubbish, refuse, waste	Reciclan They recycle	Van They go	Apagan They turn o	ff	Hacen They do	Enciendan They turn on	
7		reducir, reciclar	la especie incluso	species even	7.2F Lo	os "sin techo"		7.1H	7.1H Problemas ecológicos		
la basura la bolsa de el cartón cerrar el contene en vez de intentar la lata	la bolsa de plástico plastic el cartón cardbo cerrar to shu el contenedor contai en vez de instead intentar to try t	sh c bag oard ut, to close,to turn off (tap) iner ud of to n	inquietante luchar la medida medioambiental el motor los residuos salvar	worrying to struggle, fight measure, means environmental engine refuse, waste, rubbish to save	el destrozo escoger la falta formar parte de el/la gamberro/a troublemaker maltratar los niños de la call la ONG (organizad		t, o ill-treat n	el agu la ald alejar furthe alejar from	ujero h ea ( er away se de t	to approach hole (small) village to move (something) to move further away	
	eciclado) (recyc	cled) paper	7.2G Los necesitados		governmental organisation) no gubernamental)			amen arruin	iar t	to threaten to ruin	
la pila el plástico ponerse los produc products el proyecto	la papelerawastepaper basketla pilabatteryel plásticoplasticponerseto put on (clothes)los productos químicos chemicals, chemicalproductsel proyectoprojectrecargablerechargeable	a favor (de) la alimentación nourishment,food la asistencia médic asistir a buscar contribuir la creencia la culpa	in favour (of) feeding, a medical care to attend to look for to contribute belief blame, fault	la pobreza recoger robar el vertedero la violencia violento/a	poverty to pick up to steal, rob rubbish dump violence violent	o, tip	el ave el cal glob la cap el cas el cer la cer	el atasco traffic jam, hold-up el ave (marina) (fem.) (sea) bird el calentamiento global warming global la capa de ozono ozone layer el casco helmet, hull (of ship) el centenar about a hundred la central eléctrica power station la circulación traffic			
la Tierra	to reu Earth		la enfermedad en contra	illness against	7.2H Es importa	nte avudar a lo	os demás	cortar	r t	to constitute to cut, to cut off o greenhouse effect	
tirar tratar de el vidrio	to pui to try glass	I, to throw away to	ready to faltar missing fresco	to be prepared to, to be to be lacking, to be fresh	el agua corriente ( bastar la comisaría consumir	fem.) running w to be enough police station to consume	vater	exten frenai to	der t r t mo smoke	o spread, to stretch o brake, to put a stop	
			hace(n) falta la libertad (de pensamiento) merecer necesitar perder perezoso/a	to be necessary, to need freedom (of thought) to deserve to need to lose lazy	la corriente electricity supply crear la criminalidad cualquier(a) el empleo el/la encargado/a	(electric) curr to create crime any job person in cha		el inc la lluv la ma	endio f ria r ncha s rea negra c erte c el l	ire rain stain bil slick death evel bil tanker	

el éxito

success

querer

to love

el/la pescador/a fisherman/fisherwoman

	ANISH Knowledge organiser.	Key Verbs						
What we are learning this term:	ic Global Issues 7.1F Protegiendo el medio ambiente	Reciclar	<u>lr</u> <u>To go</u>	<u>Apagar</u> <u>To turn off</u>		<u>Hacer –</u>	To turn on	
A. Talking about reusing things, reducing wa and recycling	te la basura la bombilla (de bajo consumo)(low-energy) light bulb	l recycle	Voy I go	Apago 		l do	I turn on	
<ul><li>B. Talking about ways of protecting the environment</li><li>C. Talking about poverty</li></ul>	el fuel to fight, to combat	Reciclas 	Vas 	You turn off	:	Haces	Enciendas 	
<ul><li>D. Talking about homelessness</li><li>6 Key Words for this term</li></ul>	la contaminación atmosférica desaparecer to	Sh/e recycles	Va s/he goes	Apaga He/she turns	off	Hace	He/she turns on	
1.la libertad4. el destrozo2.pensamientos5. violento/a	el desastre to disconnect, to unplug, switch off	Reciclamos	Vamos They go	Apagamos We turn off		Hacemos We do	Encendemos	
3. asistir a 6. la culpa	deshacer los rubbish, refuse, waste	Reciclan They recycle	Van They go	Apagan They turn of	ff	They do	They turn on	
7.1G Reutilizar, reducir, reciclar ahorrarabasura	la especie even inquietante	7.2F L	<b>.os "sin techo"</b> damage, des		7.1H I	gicos		
la bolsa de plástico el cartón el contenedor instead of intentar la lata	ap) to struggle, fight la measure, means medioambiental engine refuse, waste, rubbish salvar	escoger la falta formar parte de troublemaker los niños de la cal la ONG (organizad	to hooligan, lou to mistreat, to	t, o ill-treat	el agu la alde	ujero _ ea _ t er awayt	oo move (something) o move further away	
waste         el papel (reciclado)	7.2G Los necesitados         a favor (de)	la violencia violento/a	ganisation)	p, tip	el el ave el cale glob la el la cen la circ	arruinar tc el tr el ave (marina) (fem.) el calentamiento global la où el hi el al la central eléctrica la circulación c tc	o threaten oraffic jam, hold-up ) ozone layer nelmet, hull (of ship) about a hundred  o constitute o cut, to cut off	
tratar de to pull, to throw away el glass	en contra	7.2H Es importa el agua corriente la consumir la electricity supply la criminalidad cualquier(a) el/la encargado/a		 1 1	to el hur el hur el la lluv la ma la ma la ma el nive el pet	cto invernadero tenso smoke acán f ria f ncha rea negra cel		

		GCSE Unit 7 SPANIS		rganiser.	Key Verbs						
	are learning th	•	Global Issues 7.1F Protegie	ndo el medio ambiente	Reciclar To recycle	<u>Ir</u> To go	<u>Apagar</u> To turn off		<u>Hacer –</u> to do/make	Encender To turn on	
A. Talking about reusing things, reducing waste and recycling		la basura	rubbish o consumo)(low-energy)	Reciclo I recycle	Voy Apago I go I turn off			Hago I do	Enciendo I turn on		
B. Talk envi	<ul> <li>B. Talking about ways of protecting the environment</li> </ul>		light bulb el combustible combatir	fuel to fight, to combat	Reciclas You recycle	Vas You go	Apagas You turn off	:	Haces You do	Enciendas You turn on	
D. Talk	D. Talking about homelessness		la contaminación atmosférica desaparecer	air pollution to disappear	Recicla Sh/e recycles	Va s/he goes	Apaga He/she turns	off	Hace s/he does	Encienda He/she turns on	
1. la lib	ords for this te	4. el destrozo 5. violento/a	el desastre desconectar	disaster to disconnect, to unplug,	Reciclamos We recycle	Vamos They go	Apagamos We turn off		Hacemos We do	Encendemos We turn on	
3. asis	samientos tir a	6. la culpa	switch off deshacer los desperdicios	to undo rubbish, refuse, waste	Reciclan They recycle	Van They go	Apagan They turn o	ff	Hacen They do	Enciendan They turn on	
7		reducir, reciclar	la especie incluso	species even	7.2F Lo	os "sin techo"		7.1H	7.1H Problemas ecológicos		
la basura la bolsa de el cartón cerrar el contene en vez de intentar la lata	la bolsa de plástico plastic el cartón cardbo cerrar to shu el contenedor contai en vez de instead intentar to try t	sh c bag oard ut, to close,to turn off (tap) iner ud of to n	inquietante luchar la medida medioambiental el motor los residuos salvar	worrying to struggle, fight measure, means environmental engine refuse, waste, rubbish to save	el destrozo escoger la falta formar parte de el/la gamberro/a troublemaker maltratar los niños de la call la ONG (organizad		t, o ill-treat n	el agu la ald alejar furthe alejar from	ujero h ea ( er away se de t	to approach hole (small) village to move (something) to move further away	
	eciclado) (recyc	cled) paper	7.2G Los necesitados		governmental organisation) no gubernamental)			amen arruin	iar t	to threaten to ruin	
la pila el plástico ponerse los produc products el proyecto	la papelerawastepaper basketla pilabatteryel plásticoplasticponerseto put on (clothes)los productos químicos chemicals, chemicalproductsel proyectoprojectrecargablerechargeable	a favor (de) la alimentación nourishment,food la asistencia médic asistir a buscar contribuir la creencia la culpa	in favour (of) feeding, a medical care to attend to look for to contribute belief blame, fault	la pobreza recoger robar el vertedero la violencia violento/a	poverty to pick up to steal, rob rubbish dump violence violent	o, tip	el ave el cal glob la cap el cas el cer la cer	el atasco traffic jam, hold-up el ave (marina) (fem.) (sea) bird el calentamiento global warming global la capa de ozono ozone layer el casco helmet, hull (of ship) el centenar about a hundred la central eléctrica power station la circulación traffic			
la Tierra	to reu Earth		la enfermedad en contra	illness against	7.2H Es importa	nte avudar a lo	os demás	cortar	r t	to constitute to cut, to cut off o greenhouse effect	
tirar tratar de el vidrio	to pui to try glass	I, to throw away to	ready to faltar missing fresco	to be prepared to, to be to be lacking, to be fresh	el agua corriente ( bastar la comisaría consumir	fem.) running w to be enough police station to consume	vater	exten frenai to	der t r t mo smoke	o spread, to stretch o brake, to put a stop	
			hace(n) falta la libertad (de pensamiento) merecer necesitar perder perezoso/a	to be necessary, to need freedom (of thought) to deserve to need to lose lazy	la corriente electricity supply crear la criminalidad cualquier(a) el empleo el/la encargado/a	(electric) curr to create crime any job person in cha		el inc la lluv la ma	endio f ria r ncha s rea negra c erte c el l	ire rain stain bil slick death evel bil tanker	

el éxito

success

querer

to love

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A. Talking about reusing things, reducing wa and recycling	te la basura la bombilla (de bajo consumo)(low-energy) light bulb	l recycle	Voy I go	Apago 		l do	I turn on	
<ul><li>B. Talking about ways of protecting the environment</li><li>C. Talking about poverty</li></ul>	el fuel to fight, to combat	Reciclas 	Vas 	You turn off	:	Haces	Enciendas 	
<ul><li>D. Talking about homelessness</li><li>6 Key Words for this term</li></ul>	la contaminación atmosférica desaparecer to	Sh/e recycles	Va s/he goes	Apaga He/she turns	off	Hace	He/she turns on	
1.la libertad4. el destrozo2.pensamientos5. violento/a	el desastre to disconnect, to unplug, switch off	Reciclamos	Vamos They go	Apagamos We turn off		Hacemos We do	Encendemos	
3. asistir a 6. la culpa	deshacer los rubbish, refuse, waste	Reciclan They recycle	Van They go	Apagan They turn of	ff	They do	They turn on	
7.1G Reutilizar, reducir, reciclar ahorrarabasura	la especie even	7.2F L	<b>.os "sin techo"</b> damage, des		7.1H I	gicos		
la bolsa de plástico el cartón el contenedor instead of intentar la lata	ap) to struggle, fight la measure, means medioambiental engine refuse, waste, rubbish salvar	escoger la falta formar parte de troublemaker los niños de la cal la ONG (organizad	to hooligan, lou to mistreat, to	t, o ill-treat	el agu la alde	ujero _ ea _ t er awayt	oo move (something) o move further away	
waste         el papel (reciclado)	7.2G Los necesitados         a favor (de)	la violencia violento/a	ganisation)	p, tip	arruinar       tc         el       tr.         el ave (marina) (fem.)         el calentamiento         global         la         el         he         el         la central eléctrica         la circulación         c         ta	o threaten oraffic jam, hold-up ) ozone layer nelmet, hull (of ship) about a hundred  o constitute o cut, to cut off		
tratar de to pull, to throw away el glass	en contra	7.2H Es importa el agua corriente la consumir la electricity supply la criminalidad cualquier(a) el/la encargado/a		 1 1	to el hur el hur el la lluv la ma la ma la ma el nive el pet	cto invernadero tenso smoke acán f ria f ncha rea negra cel		

GCSE	<b>Busines</b>	s. Paper	2
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1. Types	of Production	ı
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#### There are three main types of production:

		There are three mail	types of production:
Type of Production	Explanation	Type of Production	Advantages and Disadvantages
Job Production	Job production is one-off production for a one-off order. It is tailored-made to the specific requirements of a single customer. This can be a very costly method production however this means	Job Production	Advantages: Highly flexible; gives the customer exactly what they want. Disadvantages: High production costs. Skills may be in short supply, making it hard for the business to grow
	that the business has increased flexibility in terms of the product produced.	Batch Production	<b>Advantages:</b> Gain some cost advantages from producing several items at onceyet still able to offer customers the colour/size
Batch Production	Batch production involves producing a limited number of the same item. This method of production is cheaper than job production however this method of production is not as		they want <b>Disadvantages:</b> May be limited scope for automation, making production costs far higher than with flow production. Not as flexible as job production.
Flow Production	flexible. Flow production is continuous output of identical products. This is the cheapest method of production as production becomes fully automated. However this affords the business no flexibility in terms of product differentiation.	Flow Production	Advantages: Can automate production fully, making it highly cost effective (which should be good for customers as well as suppliers). Many customers value consistency, and flow will provide an identical product each time. Disadvantages: Likely to be expensive to set up and inflexible to use; could be a disaster if a product life cycle proves much
			shorter than expected. Lacks flexibility in terms of meeting individual customer needs.

2. Types of Production (Advantages and Disadvantages)			
There are three main types of production:			
Type of Production	Advantages and Disadvantages		
Job Production	Advantages: Highly flexible; gives the customer exactly what they		
	want.		
	Disadvantages: High production costs. Skills may be in short		

3. Managing Stock – Key Definitions		
Term	Explanations	
Bar Gate Stock Graph	A diagram used to manage stock.	
Buffer (stock)	The minimum stock level always held to avoid running out.	
Just in Time (JIT)	When new supplies must arrive 'just in time' moments before they are required.	
Stock	Items held by a firm for use or sale, for example components for manufacturing or sellable products for a retailer	
Managing Stock well is vital to the success of a business. Successful stock management requires the right balance between reliability and cost. Too little stock and		
customers will feel let down. Too much stock and high costs will force high prices. Without stock, sales cannot happen. Manufacturers and retailers need to make		
sure they supply the right amount of goods to keep the shelves full.		

4. Procurement – V	Norking with Suppliers
There are five main factor	s at the heart of a relationship between a company and its suppliers:
Quality	Suppliers must supply high quality products to businesses, suppliers will struggle to maintain a good relationship with a company if they
	are not supplying good durable products. First and fore most suppliers must supply high quality materials to businesses.
Delivery	Suppliers must deliver on time to clients, there is little point supplying at the right price and with the right product, if the product doesn't arrive on time. Failing to deliver supplies on time can bring manufacturing to a halt or leave shops with empty shelves.
Availability	Suppliers must be available and able to cope with varying orders in a timely fashion and sometimes within a short timeframe. Suppliers must be flexible and aware of the needs of their customers.
Cost	Cheaper supplies mean lower variable costs and higher profit margins. Therefore, the price charged by a supplier will be a key factor in the relationship between a firm and its suppliers. Price to highly and firms may look to alternative suppliers, price to low and firms may question the quality of merchandise. Pricing is key to the relationship between supplier and firm.
Trust	Trust is key for the relationship between firm and supplier. Most business transactions are on credit and not cash – therefore suppliers have to be able to trust that a firm will make a profit and be able to pay them back in cash.
5. Placing Strategy – N	lanaging Quality within a Business
Type of Quality Control	Explanation:
Quality Control	Quality control is a system of inspection to try to make sure that customers don't experience a poor-quality product or service. Such
	controls may include Factory Inspectors at the end of a production line checking the quality of a product
Quality Assurance	Quality Assurance describes the system put into place by a company to assure quality within the production system. Every member of
	staff will have responsibilities to quality assure products. Over time this should lead to quality products as people become better at
	their roles.
Quality Culture	Quality culture means the general attitudes and behaviours among staff within a workplace is focussed on high quality production.
	Quality culture describes motivated, punctual, diligent and invested employees who care about the business and strive to improve it.

6. The Sales Process		
Term	Definition	
Customer Engagement	The attempt to make a customer feel part of something rather than an outsider.	
Customer Feedback	Customer Feedback Comments, praise or criticisms given to the company by its customers	
Post-Sales Service	Post-Sales Service Service received after the purchase is completed because something has gone wrong or as a way of promoting customer engagement	
Product Knowledge	How well staff know all the features of the products and service issues surrounding the products.	

### 7. Customer Service

Great Customer Service is pivotal to any successful business, but there is far more than that to the sales process. To succeed in sales, a business must make sure it provides:

Component of Customer Service	Term
Product Knowledge	Customers expect that staff will be sufficiently well trained and well-motivated to have good knowledge of the products and services being offered. In order to ensure staff, have good product knowledge, certain things are essential:
	<b>Good Training</b> – if businesses provide good training to staff, then staff will be knowledgeable about products and therefore will be able to improve the customer experience
	Loyal Staff – The longer staff stay working in a job the better they become. If staff only stay three to six months, they will never develop a rich understanding of the products and services that the business provides. Well managed businesses pay fairly and treat staff with respect.
	<b>Committed Staff</b> – Committed and enthusiastic staff are crucial to the smooth running of any business. This is affected by the quality of recruitment, the standard of training and the overall culture that exists within the company's workforce.
Speedy and Efficient Service	Good customer service is designed for the customer not the company.
	Efficient service:
	Gets products to customers exactly when you want them
	Gets products to customers in good condition
	If there is anything <u>wrong</u> - it will be sorted out as soon as possible and considerately
Customer Engagement	In the world of social media, it becomes possible to try to keep customers engaged with the business on a regular basis.
	Companies engage customers in a variety of ways:
	E-Mail
	Social Media (Facebook and Instagram)
	Post
	Text
	Television/Web advertisements.
	It is vital that customers feel up to date and informed about any product innovations
Responses to Customer	How companies respond to customer feedback is vital, providing great customers service where people feel listened too ensures
Feedback	customers continue to come back and buy products from the business.
	It can cost a lot of money to persuade new customers to come advertising is expensive and it's affects are hard to judge. Building up a
	reputation for responding to customer feedback can travel by word of mouth and this is much cheaper.
	reputation for responding to customer feedback can travel by word of mouth and this is much cheaper.

## GCSE Business. Paper 2.

1. Types of Production		2. Types of Production (Advantages and Disadvantages)	
There are three main types of production:		There are three main types of production:	
		Type of Production	Advantages and Disadvantages
Type of Production	Explanation	Job Production	Advantages:
Job Production			
			Disadvantages:
		 Batch Production	Advantages:
Batch Production			Disadvantages:
		Flow Production	Advantages:
Flow Production			Disadvantages:

3. Managing Stock – Key Definitions		
Term	Explanations	
Bar Gate Stock Graph		
Buffer (stock)		
Just in Time (JIT)		
Stock		
Managing Stock well is vital to the success of a business. Successful stock management requires the right balance between reliability and cost. <b>Too little stock and</b> customers will feel let down. Too much stock and high costs will force high prices. Without stock, sales cannot happen. Manufacturers and retailers need to make sure they supply the right amount of goods to keep the shelves full.		

## GCSE Business. Paper 2.

4. Procurement – W	/orking with Suppliers
There are five main factors	at the heart of a relationship between a company and its suppliers:
Quality	
Delivery	
Availability	
Cost	
Trust	
5. Placing Strategy – Ma	anaging Quality within a Business
Type of Quality Control	Explanation:
Quality Control	
Quality Assurance	
Quality Culture	

6. The Sales Pr	6. The Sales Process	
Term	Definition	
Customer Engagement		
Customer Feedback		
Post-Sales Service		
Product Knowledge		

## 7. Customer Service

Great Customer Service is pivotal to any successful business, b	but there is far more than that to the sales process.	To succeed in sales, a business must make
sure it provides:		

Component of Customer Service	Term
Product Knowledge	
Speedy and Efficient Service	
Customer Engagement	
Responses to Customer Feedback	
Excellent Post Sales Service	



#### COMPUTER SCIENCE TERM 2 FUNDAMENTALS OF ALGORITHMS PROGRAMMING, NETWORKS AND CYBERSECURITY



Term	Definition	Term	Definition	Cybersecurity	Definition	Variable A memory location
Arithmetic	A mathematical character	Fibre-Optic Cable	A cable that carries data	Terms		within a computer where values are stored.
Operator	to perform a calculation. Example: +		transmitted as light.	Adware	Software which causes advertising popups.	Input/Output and Calculation userInputName = nput("Enter your name: ") userNum =
Array	A set of values, of the same data type, stored in sequence. A list.	File Sharing	Sharing access to files via a network.	Anti-virus	Software which scans storage devices for malware and attempts to	decimal number: ")) calculation = userNum + userDec
Casting	Setting or changing the data type of a variable.	Hub / Switch	A piece of hardware used in Computer Networks to	Biometrics	remove them. Authentication technique which	print("Hello", userInputName, "the result is", calculation)
Concatenation	Connecting strings of characters together.	LAN -	connect multiple devices. A network that covers a		relies on physical characteristics like fingerprints.	Enter your name: Mr. Weston Enter an integer: 3 Enter a decimal number: 15.2 Hello Mr. Weston the result is 18.2
Condition	A statement which is either true or false. A computation	Local Area Network	small area, e.g. a school or office.	Hacking	Gaining unauthorised access to a system.	IF Statements print("Press 1 for a greeting. Press 2 for a farewell.") userChoice = int(input("Awaiting Input: "))
	depends on whether a condition is true or false.	Modem	Meaning modulator/ demodulator allowing computers to connect to a	Keylogger	Software which records all keystrokes on a computer keyboard.	if userChoice == 1: print("Hello User!") elif userChoice == 2: print("Goodbye User!")
Constant	A value which does not change whilst the program is running.		network via a telephone line.			else: printf'Error - T or '2' not detected.")
Element	An individual item in an array. A value in a list.	Network	A group of two or more computers connected together and	Malware	Software which is designed to cause damage or harm to a computer system or its user's interests.	
File	Anything you can save. Document, piece of music, data etc.	NIC-	communicating with each other. A circuit board installed in	Patch	An update to a piece of software. Usually to fix bugs or improve it.	Press 1 for a greeting. Press 2 for a farewell Awaiting Input: 1 Hello User!
Identifier	A name, usually for part of the program such as a constant, variable, array etc.	Network Interface Card PAN - Personal Area	a computer allowing it to connect to a network. A network of personal devices, such as Bluetooth	Pharming	Cyberattack which redirects a user from a genuine website to a fake one.	>>> Press 1 for a greeting. Press 2 for a farewell Awaiting Input: 2 Goodbye User! >>>
IF Statement - Selection	A statement that lets a program select an action depending on whether it is true or false.	Network Router	etc. A device for connecting	Phishing	An email which pretends to be from a legitimate source such as a bank to gain personal information.	Press 1 for a greeting. Press 2 for a farewell Awaiting Input: 3 Error - '1' or '2' not detected.
Loops - Iteration	Repeating an action, activity or section within a program.	WAN -	multiple networks together. A network which spans	Ransomware	Malware which encrypts a user's files then demands a ransom to decrypt them.	Loops (userChoice = "Yes" while userChoice == "Yes":
Operator	A character which determines what action is to be considered or	Wide Area Network	across a large geographical area. Multiple buildings,	Social	Tricking people into giving away	userChoice = input ("Do you want to repeat this? ")
Relational	determined. Example: =	Wired	national, internet. Etc. A connection which	Engineering	sensitive information.	userCount = int(input("How many times do you want to use this loop? "))
Operator	An operator which compares two values. Example: <	Wireless	requires wires/ cables to transmit data. A connection which does	Spyware	Malware which collects information about the user and their activities.	forx in range (1, userCount+1): print("You asked for this many.")
Subroutine	A section of code written outside of the main program. Covers procedures and functions.		not require wires and transmits data using radio signals.	Trojan	Malware which appears legitimate but performs malicious activity when running.	Do you want to repeat this? Yes Do you want to repeat this? Yes Do you want to repeat this? No thank you. How many times do you want to use this loop? 3 You asked for this many.
Variable	A memory location within a computer where values are stored.	WAP - Wireless Access Point	A device which connects computers to a network with a wireless connection.	Virus	Malware which replicates itself and damages computer systems and files.	You asked for this many. You asked for this many.


### COMPUTER SCIENCE TERM 2 FUNDAMENTALS OF ALGORITHMS PROGRAMMING, NETWORKS AND CYBERSECURITY



Term	Definition	Term	Definition	Cybersecurity	Definition	Variable A memory location
	A mathematical character		A cable that carries data	Terms	Software which causes advertising	within a computer where values are stored.
	to perform a calculation. Example: +		transmitted as light.		popups.	
					6 - 6 - 6 -	Input/Output and Calculation userInputName = nput("Enter your name: ") userNum =
	A set of values, of the same data type, stored in		Sharing access to files via a			int(input("Enter an integer: "))
	sequence. A list.		network.		Software which scans storage	· · ·
	-				devices for malware and attempts to remove them.	calculation = userNum + userDec
	Setting or changing the data type of a variable.		A piece of hardware used			print("Hello", userInputName, "the result is", calculation)
			in Computer Networks to		Authentication technique which	Enter your name: Mr. Weston Enter an integer: 3 Enter a decimal
	Connecting strings of characters together.		connect multiple devices.		relies on physical characteristics like fingerprints.	number: 15.2 Hello Mr. Weston the result is 18.2
	-		A network that covers a		Gaining unauthorised access to a	IF Statements
	A statement which is either true or false. A computation		small area, e.g. a school or office.		system.	print("Press 1 for a greeting. Press 2 for a farewell.") userChoice =
	depends on whether a					int(input("Awaiting Input: "))
	condition is true or false.		Meaning modulator/ demodulator allowing		Software which records all	if userChoice == 1: print("Hello User!")
			computers to connect to a		keystrokes on a computer keyboard.	elif userChoice == 2: print("Goodbye User!")
	A value which does not		network via a telephone			else:
	change whilst the program		line.			printf'Error - T or '2' not detected.")
	is running.		A group of two or more			
	An individual item in an		computers connected		Software which is designed to cause	
	array. A value in a list.		together and		damage or harm to a computer system or its user's interests.	
			communicating with each			
	Anything you can save.		other.		An update to a piece of software.	
	Document, piece of music,		A circuit board installed in		Usually to fix bugs or improve it.	Press 1 for a greeting. Press 2 for a farewell Awaiting Input: 1
	data etc. A name, usually for part of		a computer allowing it to		Cyberattack which redirects a user	Hello User!
	the program such as a		connect to a network.		from a genuine website to a fake	Press 1 for a greeting. Press 2 for a farewell Awaiting Input: 2
	constant, variable, array		A network of personal		one.	Goodbye User!
	etc.		devices, such as Bluetooth			>>> Press 1 for a greeting. Press 2 for a farewell
	A statement that lets a		etc.		An email which pretends to be from	Awaiting Input: 3
	program select an action				a legitimate source such as a bank to	Error - '1' or '2' not detected.
	depending on whether it is true or false.		A device for connecting		gain personal information.	
	Repeating an action, activity		multiple networks			Loops
	or section within a program.		together.		Malware which encrypts a user's files then demands a ransom to decrypt	(userChoice = "Yes"
			A network which spans		them.	while userChoice == "Yes":
	A character which		across a large geographical			userChoice = input ("Do you want to repeat this? ")
	determines what action is		area. Multiple buildings,		Tricking people into giving away	
	to be considered or		national, internet. Etc.		sensitive information.	userCount = int/innut/"How monuting = down
	determined. Example: =		A connection which			<pre>userCount = int(input("How many times do you want to use this loop? "))</pre>
	An operator which		requires wires/ cables to		Malware which collects information	forx in range (1, userCount+1): print("You asked for this many.")
	compares two values. Example: <		transmit data.		about the user and their activities.	is a mange (2) der counci 2), prince rod dated for this many. y
			A connection which does			
	A section of code written		not require wires and			Do you want to repeat this? Yes Do you want to repeat this? Yes
	outside of the main		transmits data using radio		Malware which appears legitimate	Do you want to repeat this? No thank you. How many times do you want to use this loop? 3 You asked for
	program. Covers procedures and functions.		signals.		but performs malicious activity when	this many.
	A memory location within a		A device which connects		running. Malware which replicates itself and	You asked for this many.
	computer where values are		computers to a network		damages computer systems and files.	You asked for this many.
	stored.		with a wireless connection.		service systems and mes.	
				L		

# Year 11 Term 2 : Topic = Personal project

How you are assessed	G. Assessment objectives A01, A02	G. Assessment objectives A03 , A04		
Assessment Objectives: Each component is marked based on 4 assessment objectives: You will be assessed on how effectively you meet the criteria set out in each objective.	A01 Assessment Objective 1 AO1 Is about developing ideas from a starting point through to a final outcome. This is achieved by responding in sketch format by taking inspiration from a variety of artists.	A03 A03 Assessment Objective 3 A03 is about recording your ideas, observations and insights. These can be visual shown through your use of materials, media and processes. As well as the way you develop your ideas, skills and techniques with written annotation.		
6 Key Words for this term	AO2 <u>Assessment Objective 2</u> AO2 is about refining your ideas			
1Observe4 context2Develop5 inspiration3Critical understanding6 juxtaposition	through the selection of appropriate media , materials, techniques and processes, and should be linked to the artists you have studied. You should be annotating your work showing clearly these connections	A04 Assessment Objective 4 A04 is about presenting a personal, informed and meaningful response, from your initial research through to your final piece. This should be visible through suitable source material and media, the connections you		
A. What three techniques will you develop next in your project?		made to your chosen artist and your ability to select appropriate media. You work should be seen as a visual 'journey' from your starting point through to your final piece, that demonstrates your understanding of your particular area of study.		
<complex-block><complex-block></complex-block></complex-block>	G.       Have you explored the following techniques         Drawing       Etching	Key questions If you are looking at an image and don't know how to respond to it break it down into its individual parts. What colour is it? - could you make a response just looking at its colour or shape? How does it make you feel? Could that trigger an instinctive/ expressive response Could you respond to the shape or texture? Could you delve deeper into the social or historical context of the piece of artwork? Your key areas of focus should be on figuring out how you can turn your piece of artwork into something else. Your GCSE is a series of developments and experiments leading up to your exam		
<ul> <li>In the stand of a decision of a decision of the stand of the st</li></ul>	Collage         Painting         Sculpture         Installation         Photography         Inks	Describe     Andres       Macrise valor     Macrise valor       Harrise rate main     Macrise valor       Harri		



building ideas.

### Year 11 PRODUCT DESIGN Term 2





manufacturer understand the design.

38.10



### Year 11 PRODUCT DESIGN Term 2



### What we are learning this term:

A. One-Point Perspec	tive B. Two-point	Perspective	C. Isometric Drawing
D. Exploded Drawing	E. Oblique Drawing	F. CAD	G. Orthographic Drawing

### Design Strategies Introduction.

Design strategies are used to create technical drawings, to show an object in 3D on a 2D page. Perspective drawings show an object getting smaller in the distance. The rest are done to scale.







# Macronutrients, fibre and water

#### Macronutrients Carbohydrate Fat Protein All types of carbohydrate are compounds of Sources of fat include: Macronutrients provide energy. The Made up of building blocks called carbon, hydrogen and oxygen. They can be saturated fat: amino acids. • macronutrients are: divided into three main groups according to There are 20 amino acids found in monounsaturated fat: ٠ • ٠ carbohydrate; the size of the molecule. polyunsaturated fat. protein Key terms protein; ٠ Eight amino acids have to be Dietary reference values: Estimated dietary fat. These three types are: Fats can be saturated, when they have provided by the diet (called requirements for particular groups of the monosaccharides (e.g. glucose); Macronutrients are measured in • no double bonds, monounsaturated, essential amino acids). population. ٠ disaccharides (e.g. lactose); when they have one double bond, or grams (g). Essential amino acids: 8 of the different polysaccharide (e.g. sucrose). The essential amino acids are polyunsaturated, when they have more amino acids found in proteins from plants and than one double bond. isoleucine, leucine, lysine, methionine, animals that have to be provided by the diet. Alcohol phenylalanine, threonine, tryptophan The two types main of carbohydrate that Macronutrients: Nutrients needed to provide Alcohol is not considered a nutrient. and valine. provide dietary energy are starch and energy and as the building blocks for growth Recommendations but is a source of energy in the diet. In young children, additional amino sugars. Dietary fibre is also a type of and maintenance of the body. ٠ <35% energy, Saturated fat <11% carbohydrate. acids, e.g. histidine and tyrosine, are Protein complementation: combining The government recommends no energy sometimes considered to be essential different protein types at the same meal to more than 14 units of alcohol per A high saturated fat intake is linked Starchy carbohydrate is an important (or 'conditionally essential') because ensure all EAAs are ingested. week for both men and women. with high blood cholesterol levels. they may be unable to make enough to source of energy. Reference Intakes: Guidelines for the meet their needs maximum amount of nutrients consumed. Sources: Starchy foods - we should be choosing Energy from food wholegrain versions of starchy foods where Saturated fat: fatty cuts of meat: skin Recommendations Energy intake is measured in Hydration possible. of poultry; butter; hard cheese; ioules (J) or kiloioules (kJ), but 0.75g/kg bodyweight/day in adults. Aim to drink 6-8 glasses of fluid every biscuits, cakes and pastries; chocolate. many people are more familiar day. Recommendations with Calories (kcal). Monounsaturated fat: edible oils Water, lower fat milk and sugar-free Sources: Total carbohydrate - around 50% of Different macronutrients, and especially olive oil; avocados; nuts. drinks including tea and coffee all count. Animal sources: meat: poultry; fish: daily food energy. alcohol, provide different Polyunsaturated fatty acids: edible Fruit juice and smoothies also count but eggs; milk; dairy food. ٠ Free sugars include all sugars added to amounts of energy. should be limited to no more than a oils especially sunflower oil; seeds; foods plus sugars naturally present in combined total of 150ml per day. honey, syrups and unsweetened fruit margarine; spreadable fats made from Plant sources: soya; nuts; seeds; Energy per gram juice (<5% daily food energy). vegetable oils and oily fish. pulses, e.g. beans, lentils; mycoprotein. Carbohydrate 16kJ (3.75 kcals) 20% of water is provided by food such as Fibre is a term used for plant-based 17kJ (4 kcals) Protein carbohydrates that are not digested in soups, yogurts, fruit and vegetables. Dietary reference values (DRVs) are Alcohol 29kJ (7kcals) the small intestine (30g/day for adults). a series of estimates of the energy and 37kJ (9 kcals) Fat Protein complementation The other 80% is provided by drinks such as nutritional requirements of different Different food contains different groups of healthy people in the UK water, milk and juice. Fibre amounts and combinations of amino 40 37 population. They are not Dietary fibre is a type of carbohydrate acids. recommendations or goals for Drinking too much water can lead to 'water found in plant foods. individuals. 29 ٠ Food examples include wholegrain intoxication' with potentially life threatening 30 Vegans and vegetarians can get all the cereals and cereal products; oats; hyponatraemia. meng Reference Intakes are guidelines for amino acids they need by combining beans; lentils; fruit; vegetables; nuts; the maximum amount of energy different protein types at the same and, seeds. 17 17 Per (calories), fat, saturated fat, sugars and This is caused when the concentration of meal. This is known as protein salt consumed in a day (based on a sodium in the blood gets too low. Dietary fibre helps to: complementation. healthy adult female). 10 reduce the risk of heart disease, • diabetes and some cancers; Examples are: ٠ help weight control; 0 rice and peas; Prolein Alcohol CHO ٠ bulk up stools; • beans on toast; prevent constipation; ٠ hummus and pitta bread; ٠ improve gut health. bean chilli served with rice.



# KS4 FOOD AND NUTRITION KNOWLEDGE ORGANISER T1



Micronutrients are needed in the body in tiny amounts. They do not provide energy, but are required for a number of important processes in

the body. There are two main groups of

- micronutrients:
- vitamins;
- · minerals and trace elements.

Micronutrients are measured in milligrams (mg) and micrograms ( $\mu$ g) with 1mg = 0.001g and 1 $\mu$ g = 0.001mg.











For more information, go to: https://bit.ly/36KUnji

n	People have different requirements for each micronutrient, according to their: • age; • gender; • physiological state (e.g. pregnancy).
<b>ig</b> )	2 🛱 着 🗍
	Vitamins Vitamins are nutrients required by the body in small amounts, for a variety of essential processes.

Micronutrient recommendations

Most vitamins cannot be made by the body, so need to be provided in the diet.

Vitamins are grouped into:

- fat-soluble vitamins (vitamins A, D, E and K);
- water-soluble vitamins (B vitamins and vitamin C).

### Minerals

- Minerals are inorganic substances required by the body in small amounts for a variety of different functions.
- The body requires different amounts for each mineral.

Some minerals are required in larger amounts, while others are needed in very small amounts and are called 'trace elements'.

Nutrient	Function	Sources
Vitamin A	Helps the immune system to work as it should and with vision.	Liver, cheese, eggs, dark green leafy vegetables and orange- coloured fruits and vegetables.
B vitamins	Thiamin, riboflavin, niacin, folate, and vitamin B12 have a range of functions within the body.	Different for each B Vitamin.
Vitamin C	Helps to protect cells from damage and with the formation of collagen.	Fruit (especially citrus fruits), green vegetables, peppers and tomatoes.
Vitamin D	Helps the body to absorb calcium & helps to keep bones strong.	Oily fish, eggs, fortified breakfast cereals and fat spreads.
Vitamin E	Helps to protect the cells in our bodies against damage.	Vegetable and seed oils, nuts and seeds, avocados and olives.
Vitamin K	Needed for the normal clotting of blood and is required for normal bone structure.	Green vegetables and some oils (rapeseed, olive and soya oil).

Nutrient	Function	Sources
Calcium	Helps to build and maintain strong bones and teeth.	Dairy, calcium-fortified dairy- alternatives, canned fish (where soft bones are eaten) and bread.
Iron	Helps to make red blood cells, which carry oxygen around the body.	Offal, red meat, beans, pulses, nuts and seeds, fish, quinoa, wholemeal bread and dried fruit.
Phosphorus	Helps to build strong bones and teeth and helps to release energy from food.	Red meat, poultry, fish, milk, cheese, yogurt, eggs, bread and wholegrains.
Sodium	Helps regulate the water content in the body.	Very small amounts found in foods. Often added as salt.
Fluoride	Helps with the formation of strong teeth and reduce the risk of tooth decay.	Tap water, tea (and toothpaste).
Potassium	Helps regulate the water content in the body and maintain a normal blood pressure.	Some fruit and vegetables, dried fruit, poultry, red meat, fish, milk and wholegrain breakfast cereals.
lodine	Helps to make thyroid hormones. It also helps the brain to function normally.	Milk, yogurt, cheese, fish, shellfish and eggs.

### Key terms

Micronutrients: Nutrients needed in the diet in very small amounts. Lower Reference Nutrient Intake (LRNI): is the amount of a nutrient that is enough for only the small number of people who have low requirements (2.5%). The majority of people need more. Reference Nutrient Intake (RNI): the amount of a nutrient that is enough to ensure that the needs of nearly all the group (97.5%) are being met. The RNI is used for recommendations on protein, vitamins and minerals.

### Vitamin D

Vitamin D is a pro-hormone in the body. It can be obtained in two forms:

- ergocalciferol (vitamin D<sub>2</sub>);
- cholecalciferol (vitamin D<sub>3</sub>).

Vitamin D<sub>3</sub> is also formed by the action of sunlight. Different to most vitamins, the main source of vitamin D is synthesis in the skin following exposure to sunlight. The wavelength of UVB during the winter months in the UK does not support vitamin D synthesis.



### Frayer Model Key Words

ruyer would key words	
Protein	A macronutrient that is essential to building muscle mass.
Fat	A macronutrient which supplies the body with energy.
Carbohydrates	A macronutrient that is required by all animals. It is made in plants by the process of photosynthesis.
Vitamin	Vitamins are split into two categories, water soluble and fat soluble. Fat soluble vitamins (A, D E, and K) dissolve in fat. Water soluble vitamins (the B group and vitamin C) dissolve in water.
Nutritional	Providing or obtaining the food necessary for health and growth.
Energy	The strength and vitality required for sustained physical or mental activity.



Year 11 Cambridge National- Contemporary issues in sport- Term 2



What we are learning this term:		Main assessment objectives			Sporting values				
<ul> <li>A. The values that can be promoted through sport</li> <li>B. The Olympic and Paralympic values</li> <li>C. Initiatives that promote values through sport</li> <li>D. The important of etiquette and sporting behaviour</li> <li>E. The use of performance enhancing drugs</li> </ul>		Learning outcome: Know about the role of sport in promoting values							
		C.         What is the difference between sportsmanship and gamesmanship?           Sportsmanship is the unwritten rules that players play by, whereas gamesmanship is bending the rules to gain an advantage			T	Feam spirit	Learning how to work together and support others		
Α.	Key question fr objectives?	om Assessment	What is spectator etiquette?			F	Fair play	Learning the importance of playing	
Key v	•	Key definition	1 0		ctator et				by the rules
Etique	Etiquette A code of polite behaviour		<ol> <li>Quiet at Wimbledon during rallies</li> <li>Quiet during snooker</li> <li>Quiet during national anthems</li> </ol>			Citizenship	Involved in your local community through		
Enhar	To improve something 4. Clapping for a new batsman in c		apping for a new batsman in cricket					sport	
Initiati	ves	A scheme to try and improve something	A.	What are the values that can be	G.	Performance enhancing drugs			Developing
Reput	ation	The opinions about something	2. Fa	promoted through sport?	Why d	o athletes use them?	a	Tolerance and respect	Developing understanding of different countries and culture through
Creed	I	A belief in something	4. To	tizenship blerance clusion	Pressu	ure to succeed as an individual ure to succeed as a nation ure from sponsors	Ir	nclusion	sport Initiatives to get
Inclusion Making sure everyone has an equal opportunity		6. National pride 7. Excellence		Why they shouldn't be used? Long term health issues			under-represented social groups involved in sport		
Sports	smanship	Fair and generous behaviour	Α.	What are the Olympic and	Unfair	Consequences when found guilty Unfair advantage	National pride		Supporters and performers unite
Game	esmanship	Winning by bending the rules	1. Re	Paralympic values?	World	<u>is WADA?</u> Anti Doping Agency ganisation is charge of drug testing across the			behind a country in international events
A.	What is the Ol	ympic creed?	2. Excellence 3. Friendship 4. Courage		world	world		Excellence	Striving to be the best you can be in your
"The most important thing is not to win but to take part, just as the most important thing in life is not to triumph but the struggle. The essential thing is not to have conquered, but to have fought well."		ost important thing in life e struggle. The essential	5. De 6. Ins	etermination spiration quality					that can be
Pierre De Coubertin- Founder of the modern Olympic games							•	oted through sport	



BTEC

# Unit 1: The Music Industry

Wh	at we are learnir	ng during this unit:		
A. B. C. E. F.	Employment Pa Record Labels (	Pros and Cons) and Safety / Security s/Trade Bodies		
6 Key Words for this term				
1 2	Employment Major	4 Responsibility 5 Union		

Major 3 Independent

5 Union 6 Publishing

В.	Employ	/ment Patterns		
Fulltime		5 days a week, Contract (holidays/sick pay and pension)		
Par	t time	1-4 days a week, Contract like full time.		
Freelance		Self-employed, no long-term contracts! No work = no pay		
Permanent Vs Casual		Permanent = guaranteed work / security whereas casual is not secure, varies but does give more flexibility		

#### C. Record Labels (pros and cons)

Major	Independent	
e.g. Warner, Sony, Universal	Smaller labels	
Pros = lots of money, links with companies to promote and publish, lots of contacts, get the best deals for manufacturing, good links with advertising and media to promote and market artist/band Cons = difficult to stand out, less control over your music, contracts can be unfair	Pros = individual style or artist is important, more control over music, clos relationships, contracts more artist friendly Cons = not as much mor less publicity and promotion, not as organised/connected, le media contacts	

#### D. Venues/Health and Safety/Security



# Security ID/Bags/Crowd Control

### **Unions/Agencies/Trade Bodies**

Agencies

Ε.





PPL = Phonographic Performance Limited. Licenses the right to perform recorded music

# Unions

Unions provide support for lots of people, they provide things like advice for freelancers on NI/TAX, handling disputes, and support in negotiating contracts

MU = Musicians Union Eauity

bectu equity BECTU = Broadcasting Entertainment Cinematograph

### Trade bodies

F

Theatre Union



**MPG** = Music Producers Guild Represents people involved in producing recorded music

**PLASA** = Professional Lighting and Sound Association Represents those who work/supply technologies

**APRS** = Association of Professional Recording Services Represents those who work in the audio industry, e.g.

recording studios/producers



plasa

### Publishing (pros and cons)

Pros = good distribution,

often upfront (in advanc

marketing and promotio

Cons = signed through a (which means they take

harder to get published

company is huge, more o

on your work so less con

Major	Self-Publishing							
Remember: Publishing Company = Composition OWNERSHIP								
os = good distribution, payment ten upfront (in advance), arketing and promotion is good ns = signed through an agent hich means they take a cut!), rder to get published when the mpany is huge, more editing done your work so less control	Pros= no need for an agent, send work directly, done on social media, more in control of editing, stepping stone to a larger company.Cons= less money, less marketing and promotion							



BTEC

Α.

Key word

Record p

Artistic M\_\_\_\_\_

V\_\_\_\_ Manager

S\_\_\_\_\_Manager

P / Marketer

Sound E\_\_\_\_\_

Session M

M\_\_\_\_\_ Engineer

Music J

/Vlogger

Μ\_\_\_\_\_

Programmer

D

Technician

Technician

A&\_

 $\checkmark$ 

 $\checkmark$ 

 $\checkmark$ 

 $\checkmark$ 

~

 $\checkmark$ 

 $\checkmark$ 

 $\checkmark$ 

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 $\checkmark$ 

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√ S

# Unit 1: The Music Industry



Job Roles in the Music Industry

Key definition

Writes songs

Plays an instrument or voice

Writes music e.g. films

Directs recording sessions

Moves equipment /sets up

Directs an orchestra / ensemble

Monitors sound at live events

Fixes stuff like guitars/drums

*Responsible for health/safety* 

The boss of the artist/band!

Sells tickets to live events!

Finds new talent to sign to

Records the music in studio

Plays in recordings or live

Perfects finished recording

Writes about music / reviews

Blogs about music / reviews

Gets finished CD's to shops to

sell (now also done online!)

Works on the band/artist

solo musician e.g. piano

Attends auditions, plays for a

Makes the CD's to sell

E.g. Radio Presenters

Codes musical software

Mixes/plays live music

Sells merchandise!

Book recordings/H&S

labels

shows

imaae



### D. Venues/Health and Safety/Security



Ε. Unions/Agencies/Trade Bodies Agencies PRS IUCD2 MCPS / PRS and the Performing Right S\_\_\_\_\_. Collects royalties for musicians for physical formats like CD (MCPS) and live music (PRS) **PPL** = Phonographic Performance Limited. Licenses the right to perform recorded music Unions Unions provide support for lots of people, they provide things like advice for freelancers on \_\_\_\_\_, handling disputes, and support in \_\_\_\_\_ MU = Musicians Union bectu equity Equity BECTU = Broadcasting Entertainment Cinematograph Theatre Union Trade bodies = Music Producers Guild Represents people involved in producing recorded music plasa = Professional Lighting and Sound Association Represents those who work/supply technologies Association of Professional Recording Services Represents those who work in the audio industry, e.g. recording studios/producers ÁPRS F Publishing (pros and cons) S M Remember: Publishing Company = Composition O Pros = good distribution, payment Pros = no need for an agent, often upfront (in advance), send work directly, done on marketing and promotion is good social media, more in control Cons = signed through an agent of editing, stepping stone to (which means they take a cut!), a larger company Cons = less money, less harder to get published when the company is huge, more editing done marketing and promotion on your work so less control



### Component Two Knowledge Organiser DNA "Honesty is what gives a good drama its flesh and blood."



#### What we are learning this term: Who is Dennis Kelley? Other Plays by Dennis Kelley Α. How to develop our understanding of set design. В. How to apply the Stanislavski system to character Dennis Kelly is renowned in the theatre for writing gritty and sometimes 1. Matilda development. 2. Love and Money controversial plays, and has been writing consistently for theatre, film and C. How to interpret the director's creative intention in DNA. television throughout the past 20 years. Kelly has written over 20 plays to date 3. Orphans D. How to reflect, analyse and evaluate our development. and continues to create gripping work. He received great acclaim for co-writing 4. Debris 5. the book for Matilda the Musical with Tim Minchin, which won several awards, Osama the Hero transferred to the West End in 2011 and toured the globe. Key learning aims from Key Words: Component 2 Learning aim A1: Development of physical, Keywords linked to Assignment Brief Synchronisation – movement or speech that happens at the same A: Develop vocal and interpretative skills. time. skills and Introduction to developing skills Physical & Visual Theatre - a form of theatre that puts emphasis on techniques for and techniques; participation in movement rather than dialogue performance naturalism workshops as well as Chorus - those who perform vocally in a group as opposed to those exploring symbolic and abstract The physical attributes you need to be able to who perform singly. performance. practically move with technical accuracy. Soundscape – layered voices and sounds to create a location or Rehearsal - Practising to improve your performance. Physical atmosphere Abstract - representational and symbolic, not life-like or naturalistic skills Sequence – an order of events/movements Pattern – a repeated The performance attributes you need to be able to phrase/sequence of movements practically perform applying confidence, a character, Naturalism - 'A slice of life' on stage. Naturalistic performances should aim to look like real life and do not acknowledge the audience. a narrative etc. Motivation - the reason a character does anything Revelations - when Performanc Learning aim B1: Interpretation of two sections information is disclosed e skills of DNA through a mixture of B: Apply skills Thought-tracking - Actors speak the thoughts of the characters they and techniques naturalism techniques inspired by are representing. This is a useful way of finding out more about a Look over your current work and the work of others in rehearsal Stanislavski to enter the minds of character's reactions to other characters of the events they are and be able to reflect and comment on your own and and the teenagers. Minimalism, experiencing. Other characters cannot hear the thought tracking, only others practice. How does reflection lead to performance fantasy and symbolism to explore the audience. different ideas for production. improvement? Reflect Climax – is a play or a specific scene's point of highest tension and Development of skills, techniques drama Watch and then analyse your own, and the group, and interpretive skills leading to Narrative – the storyline and character's trajectory final performance in front of a performance by seeing where your strengths and The story Motif – A symbolic movement that captures the essence of live audience. weaknesses are and how these can be improved. a character or moment Symbol - is something which stands for, or represents something else. Analyse Symbols -are often used in drama to deepen its meaning and remind How you can then physically apply the physical and the audience of the themes or issues it is discussing. Essence Machine – A group performance that combines symbolic performance skills to a live performance to make a movement and sound to capture the essence of a something – this successful practical performance. could be anything, for example, a character, a place, a feeling. Learning aim C1: Review own development of Apply C: Review own skills and techniques for development performance and Evaluation of development of Component 2 – Key focus performance skills, responding to teacher/peer This component is designed to give students a practical overview of the skills, techniques and feedback and observations, practices required for the discipline of drama. You will explore the technique naturalism and identifying strengths and areas for development, setting actions apply them to the play: DNA. You will apply Stanislavski's naturalism to a section of the DNA and targets for improvement, script and perform to an audience. Through a series of workshops and rehearsals you will referring to professional working explore the different scenes of DNA as well as the direction's creative intention. Using practices. symbolism, naturalism, minimalism and fantasy you will explore the motivations behing these characters and their heinous crime.



### YEAR 11 BTEC DRAMA KNOWELDGE ORAGNISER – TERM 1 Frantic Assembly – https://www.youtube.com/user/franticassembly

E

### What we are learning this term:

- A. How to develop our physical and visual story telling techniques.
- B. The Frantic Assembly devising process through rehearsals.
- C. How to interpret the director's creative intention in A Curious Incident of a Dog in the Night-time.
- D. How to reflect, analyse and evaluate our development.



Key Words:	Key learning aims from Component 2
Synchronisation –         Physical & Visual Theatre - a form of         Chorus - those who perform         Soundscape – layered         Abstract –         Sequence – an order of         Maturalism - 'A slice of life' on stage. Naturalistic	Learning aim A: Develop skills and techniques for performance
Motivation - the	Learning aim B: Apply skills and techniques in rehearsal and performance
Symbols -are often used in drama to and remind the audience of the themes or issues it is discussing. Essence Machine – A that combines symbolic movement and sound to capture the essence of a something – this could be anything, for example, a character, a place, a feeling. Expand your knowledge and understanding! https://www.bbc.co.uk/teach/class-clips-video/plot- overview-dna-by-dennis-kelly/zf6kjhv Quirky Bird Theatre Company The National Theatre Performance 2008	Learning aim C: Review own development and performance

### Component 2 – Key focus

This component is designed to give students a practical overview of the skills, techniques and practices required for the discipline of drama. You will explore the technique naturalism and apply them to the play: DNA. You will apply Stanislavski's naturalism to a section of the DNA script and perform to an audience. Through a series of workshops and rehearsals you will explore the different scenes of DNA as well as the direction's creative intention. Using symbolism, naturalism, minimalism and fantasy you will explore the motivations behing these characters and their heinous crime.

What we are learn	ing in LAA:	В	Definitions of heat	and well-being			
<ul><li>A. Key words</li><li>B. Definitions of her</li><li>C. Genetic inheritar</li></ul>	alth and wellbeing nce	Positive Def	inition	Looks at how physically fit and mentally stable a person is. You have a positive attitude towards health and wellbeing if you realise that there is something you can do to improve your health and wellbeing and do it.			
A. Key words fo	r this Unit	Negative de	finition	<ul> <li>Looks at the absence of physical illness, disease, and mental distress. You have a negative attitude towards your health and wellbeing if you:</li> <li>Base your attitude on not having anything wrong with you.</li> <li>Continues as you are- Inc. keeping bad habits like smoking.</li> <li>Assume that because you currently feel fine you will stay healthy in the future.</li> </ul>			
Genetic inheritance	The genes a person inherits from their parents		V				
Predisposition	Someone is more likely to suffer from a particular condition	Holistic defir	nition	It is a combination of physical health and social and emotional wellbeing. It is not just the absence of disease or illness; it looks at all aspects of a person's health and wellbeing.			
Chronic	Gradual illness that is long term (longer than 3 months) and generally can be treated but not cured		Intellectual	<ul> <li>You have a holistc attitude towards health and wellbeing if you look after your:</li> <li>Physical Health: Be meeting the needs we have to keep our bodies working as well as they can, e.g. Food, water, shelter, warmth, clothing, rest, exercise and good personal hygiene.</li> </ul>			
Acute	A short-term illness that can be cured	Physical	Holistic	• Intellectual health: By meeting the needs we have to develop and keep our brains working as well as possible; these include mental stimulation to keep us motivated and interested.			
Monitor	To check progress over a period of time.		Spiritual	Emotional aspects of wellbeing:     By meeting the needs we have that make us feel happy and relaxed, e.g. being loved,			
Person-Centred	Planning care around the wants and needs of a service user			respected and secure. Knowing how to deal with negative emotions, having positive self- concept and being respected by others.			
Bereavement	The process of coming to terms with the death of someone close.			• Social aspects of wellbeing: By meeting the needs we have to help us develop and enjoy good relationships with others, including mixing with others in appropriate environments and having access to leisure facilities/ activities.			
Circumstances	Events that change your life, over which you have no control						
Physiological	Relates to how a person and their	С.	Genetic inheritance				
	bodily parts function normally.	In	herited physical Charac	teristics		Genes and environment	
Interpret	understand an action, mood, or way of behaving as having a particular meaning		nherit their physical; char .g. height, skin and eye c r		<ul> <li>Chromosomes carry genes that determine aspects of persons physical makeup.</li> <li>Gene is a section of DNA that carries a code. Different versior</li> </ul>		
Collaboratively	Working well together with other poeple or services	These cha welling be	aracteristics can affect so cause they influence a p		of a ger Enviror	of a gene are called <b>alleles</b> (they can be faulty). Environmental factors such as diet, also influence physical	
Obstacles	Difficulties a person might face when they implement a plan.		e and esteem).		genetic	ance. For example, a person may not grow to their full, ally determined height if they do not have enough food.	
Goal	What you want to achieve in the long term	Allele type	Dominant: If a gene is dominant a from only one birth pare	nt will have the	Effects of inherited disorders	ted • Intellectual welling: learning, thinking, problem solving and decision making.	
Norm	Something that is usual, typical or standard	-	condition, e.g Huntingto Recessive:			<ul> <li>Emotional wellbeing: how people feel about themselves.</li> <li>Social wellbeing: the ability to build relationships</li> </ul>	
Targets	Challenges to help you reach your goal		If the gene is recessive develop the condition if both birth parents, e.g. (	it was inherited from		and maintaining them.	

Year 11 BTEC Health and Social Care- <u>Component 3</u>: Health and Wellbeing. LAA

Wha	t we are learn	ing in LAA:	B Definitions of heath and well-being						
B. I	Key words Definitions of he Genetic inherita	alth and wellbeing nce	Positive Definition						
А.	Define the ke	y words for this Unit	Negative de	efinition					
Gene inheri			Holistic def	inition	Definition:				
Predi	sposition				Physical Health	Physical Health:			
Chronic			Intellectual						
Acute		Physical	Emotional	Intellectual health:					
Monitor			Spiritual	Emotional aspects of wellbeing:					
Perso	on-Centred								
Berea	avement				Social aspects of wellbeing:				
Circu	mstances								
Physi	iological		C. Genetic inheritance						
Interp	pret		•	nherited physical Charac	teristics	•	Genes and environment		
Collaboratively					•				
Obsta	acles						r		
Goal			Allele type	Dominant:		Effects of inherited disorders			
Norm				Recessive:					
Targe	ets								

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### What we are learning in LAA:

D. Balanced diet

D.

diet?

What is a

balanced

- Ε. Chronic and acute illness
- F. What are the effect of exercise?

**Balanced diet** 

G. What are the effect of excessive substance use?

It is also a lifestyle choice



E	Chromic	or Acute Illness					
term (more th	han 3 month d. E.g Asthm	comes on gradually, is long ns) and generally can be treate na, Diabetes, epilepsy, bipolar ease					
Some chronic conditions are acute but may develop because of chronic conditions. For example: osteoporosis (a chronic condition that weakness bones) masking their bones fragile and more likely to break. Broken bones are then an acute condition.							
		Possible negative effe	cts c	of chronic illness			
<ul> <li>Physical:</li> <li>poor rate of growth</li> <li>Unusual physiological change during puberty</li> <li>Restricted movement</li> </ul>				Emotional: • Negative self-concept • Stress • Decision making			
Intellectual: <ul> <li>Disturbed learning because of missing school</li> <li>Difficulties in thinking and problem solving</li> <li>Memory problems.</li> </ul>				Social <ul> <li>Isolation</li> <li>Loss of independence</li> <li>Difficulties developing relationships</li> </ul>			
F. \	What are th	ne effect of exercise?					
Positive effec exercise	ts of	eight, reduce BMI, boosting energy levels. durance and stronger bones and muscles. d diabetes. ction like mentor and thinking skills. e and mood and reduces stress. Aid relaxation f concept. action, reducing isolation and improving social					
skills.         Negative effects of exercise         Physical: Obesity and associated health problems.         Intellectual: Reduced pain performance, hard to concentrate and retain information.							

Overweight A person over weight or under weight may: Be prone to illness and conditions or underweight · Have their life expectancy reduced • Be less able to exercise effectively may: • Miss out on learning experiences Miss out on some sporting activities ٠ Be less successful in job interviews ٠ Feel embarrassed and self-conscious about their appearance in social situations. Essential Fats (saturated and unsaturated) parts of a Carbohydrates (sugars and starches) healthy diet: • Minerals • Vitamins • Proteins Eat at least 5 portions of a variety of fruit and vegetables Est well • quide says every day. you should Base meals on potatoes, bread, rice, pasta or other starchy carbohydrates; choosing wholegrain versions where eat: possible. • Have some dairy or dairy alternatives (such as soya drinks); choosing lower fat and lower sugar options. Eat some beans, pulses, fish, eggs, meat and other proteins (including 2 portions of fish every week, one of which should be oilv). • Choose unsaturated oils and spreads and eat in small amounts. ٠ Drink 6-8 cups/glasses of fluid a day. If you eat The body will store food as fat and this can lead to: Obesity, heart disease, high blood pressure, Strokes, Tooth more than you need: decay or cancer The body does not get enough nutrients to grow and develop If you eat less than properly and this can lead to:

Diet that contains the correct nutrients in the right

proportions to keep out bodies and minds healthy.

Choosing to eat too much or too little might make us less able to take all the opportunities that life offers.

you need Eating disorders, stunned growth, anaemia, heart failure, depression, tiredness, cancer or rickets.

G.	What are	are the effect of excessive substance use?								
Negative e excessive consumption	alcohol	<ul> <li><u>Physical:</u> Alcohol dependence, damage to major organs: liver, heart, kidneys, pancreas. Cancers: mouth, throat, oesophagus, liver, breast. Infertility and impotence, weight gain.</li> <li><u>Intellectual</u>: difficulty in making decisions, depression and anxiety, chance of stroke and brain damage, impaired brain development of unborn baby.</li> <li><u>Emotional</u>: poor self-concept, poor judgement leading to a risk of accidents and unsafe sex, can have an impact on relationships, depression.</li> <li><u>Social</u>: breakdown of relationships, domestic violence, social isolation</li> </ul>								

Social: Fewer opportunities for social interactions.

Emotional: poor self-concept and reduced ability to cope with stress.

What we are	learning in LAA:	E	Chromi	c or Acute Illness					
F. What are t	diet nd acute illness the effect of exercise? the effect of excessive substance use?	Chronic illness-							
D. Balar	nced diet	Explanation:							
What is a balanced		Possible negative effects of chronic illness							
diet?		Physical:			Em	otional:			
Overweight or underweight may:		Intellectual:			Soc	ial			
		F.	What are	the effect of exercise?					
		Positive effe	cts of	Physical:					
Essential parts of a		exercise		Intellectual:.					
healthy diet:			Y	Emotional:					
Est well guide says		Å		<u>Social:</u>					
you should eat:		Negative effe	ects of	Physical:					
		CACICISC		Intellectual:					
				Emotional:					
				<u>Social:</u>					
		G.	What are	the effect of excessive substa	ance	use?			
If you eat		Negative effe		Physical:					
<u>more</u> than you need:		consumption		Intellectual:					
If you eat less than you need			Y	<u>Emotional:</u> <u>Social:</u>					

					-		_		55
What we are learning in LAA:					What are the hazards of	Smoking Irritant particles cause: • bronchitis			Nicotine causes:
<ul><li>H. The effects of social interactions on wellbeing</li><li>I. What are the effects of stress on health and wellbeing</li><li>J. What are the hazards of smoking</li><li>K. What are the effects of personal hygiene</li></ul>					•er				• addiction • increased blood clotting leading to thrombosis.
H. The effects of social interactions on wellbeing					creased risk of heart attack rrowing of the arteries.	P			• stroke
Social integrationWhen people feel they belong to a group and can interact with others. Social interactions can happen between family members and friends, work colleagues, school learners, members of a community or interest groups.					bon monoxide causes: ecreased oxygenation bor growth ctra work for the heart creased risk of thrombosis			hazards of harmonic for the second se	• gum disease. Tar causes cancers of the nose, throat, tongue, lungs, stomach and bladder.
Social isolation Occurs when people do not have regular contact with others. This may be because they don't go out much because of physical illness, reduced mobility or unemployment. They might have a difficulty in communicating if they have a mental illness, depression or learning difficulties. Lastly, a person might be discriminated against because of culture, religion or disability.				Exp chil • ar • te	Exposure in childhood means that children: • are prone to chest infections and asthma • tend to be smaller and weaker • do less well at school • do less well at school			<ul> <li>breath and clothes smell of smoke</li> <li>hands and nails are nicotine</li> </ul>	
Positive effects of relationships Physical: physical support and day to day care an Intellectual: shared experiences, supported learnin Emotional love, security and encourt freding particular back and a security and encourts and a security and encourts the security and encourts and a security as security and a security as secur			nces, supported learnin ve, security and encoura	ig and agem	l thinking ent, positive self-concept,	К.	• more misca What are t	rriages. the effects of Perso	onal Hygiene?
feeling content, ability to build relationships with perindependence and confidence.         Social:       Companionship, social circle increases.         Negative effects of social isolation       Physical: poor lifestyle choices like smoking and deating disorders.         Intellectual: reduced ability to use thinking skills, magnetic sciences and shifts the second science and confidence.			ce. cial circle increases. ces like smoking and dr to use thinking skills, m	inking	Positive effects of good personal hygiene ssing school/work • Helps • Impro • Reduc You mus • Brush • Show		Improves self	ber of bacteria that lives on us. th	
<b>İİİ</b>	Ŷ	Emotional: feelings insecur- hurt, loneliness and distrust, emotions. Social: difficulties in building	lack of independence,	<ul> <li>Wash your hair regul</li> <li>Wash your hair regul</li> <li>Keep fingernails and</li> </ul>			ir regularly ils and toenails clean and trimmed		
I. What are the effects of stress on health and wellbeing			SKIIS.		Negative effects of poor personal hygiene		<b>Physical:</b> catching and spreading disease like foo poisoning, sore throat, meningitis and athlete's foo Bad body odour, bad breath and tooth decay.		
Physical effects Intellectual effects Emotional effects		Emotional effects		Social effects			Might be bullied a	of friendships and social isolation. nd poor self-concept. I interactions as people don't want	
Increased heartbeat Forgetfulness Difficulty in controlling Increased breathing rate Poor concentration emotions				Difficulty in making friends and building			to be friends with someone that neglects their hygiene. Social isolation.		
Tense muscles Sweaty palms Dry mouth High blood pressure Loss of appetite Sleeplessness Digestive problems		Difficulty in making decisions	Feeling insecure Negative self-concept Feeling anxious and frightened Loss of confidence		relationships Breakdown of close relationships Social isolation		others: • Negative effect on the person		

### What we are learning in LAA:

- H. The effects of social interactions on wellbeing
- I. What are the effects of stress on health and wellbeing
- J. What are the hazards of smoking
- K. What are the effects of personal hygiene

н.	The effect	ts of so	cial interactions on wellbeing
Social integratio	on		
Social iso	olation		
Positive relations	effects of ships	f	Physical: Intellectual:. Emotional: Social:
Negative isolation		r social	Physical: Intellectual: Emotional: Social:
I.	What	t are the	effects of stress on health and wellbeing

Ι.	What are the e			
Physical effects		Intellectual effects	Emotional effects	Social effects

К.	What are t	the effects of Personal Hygiene?
	e effects personal	• • You must: • •
	ve effects personal e	Physical: Emotional: Social:
When o others:	caring for	• • •

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J.

What we are learning in LAA:				N. What are the effects of economic factors (e.g, income) on health and wellbeing					
	he barriers to seeking help. he effects of unexpected life events on hea	th and wellbeing		Positive Effects:	Negative Effects:				
<ul><li>N. What are the effects of economic factors (e.g, income) on health and wellbeing</li><li>O. What are the effects of expected life events on health and wellbeing</li></ul>			Physical	Better financial resources can result in good housing conditions and healthy diet	<ul> <li>Low wages can affect diet ad housing, leading to poor health.</li> <li>Manual jobs can cause muscular</li> </ul>				
L.	What are the barriers to seeking help.			Manual jobs may improve	and skeletal problems				
Culture	Accessing HSC services can be influence and beliefs of the society or group.			muscle tone and stamina.	<ul> <li>Desk jobs lead to less activity and weight gain.</li> </ul>				
	<ul> <li>Some may have received discrimination when accessing other services.</li> <li>Some may not speak English well enough.</li> <li>Values and traditions not understood e.g. eye contact means respect in some cultures but not others.</li> <li>Some cultures a woman must be treated only by a female professional.</li> <li>Alternative therapies are used in some cultures</li> </ul>			<ul> <li>Better financial resources can result in more leisure time for intellectual activities</li> <li>Work, education or training helps to develop problem solving and thinking skills</li> </ul>	<ul> <li>Some people work very long hours to improve their financial position, leading to less leisure time and reduced learning opportunities.</li> <li>Being unemployed can result in poor mental health.</li> </ul>				
Gender	<ul> <li>Research shows that men are lesson likely to talk about their health and wellbeing than woman. This is because men are:</li> <li>Often less open about their feelings</li> <li>Sometimes reluctant to appear vulnerable by asking for help</li> <li>Not aware of poor health signs as health campaigns target women's health more</li> </ul>			<ul> <li>A well-paid job gives a feeling of security.</li> <li>Being financially secure promotes positive self- concept</li> </ul>	<ul> <li>Financial worried can result in stress and breakdown of relationships.</li> <li>Unemployment or low-status work can lead to low self-concept</li> </ul>				
Education	<ul> <li>Unhappy to be examined by a female health worker.</li> <li>Research shows that people who are better educated are more likely to seek help. This is because:</li> <li>They like to research symptoms and know when help is needed</li> <li>Understand the importance of early diagnosis and treatment</li> </ul>			<ul> <li>Better financial resources provide opportunities for socialising.</li> <li>Work gives opportunities for socialising with colleagues.</li> </ul>	<ul> <li>Lack of financial resources reduces opportunities for socialising.</li> <li>Unemployment reduces opportunities for relationships, leading to social isolation.</li> </ul>				
	Know how and where to access services.			What are the effects of expected life events on health and wellbeing					
Stigma	In some cultural groups there is a stigma a depression. Stigma is a word used to dese embarrassed about. Therefore, they would	cribe something that people feel	Life event Positive Effects: Negative Effects:						
M. What	are the effects of unexpected life events	·	Starting school,	<ul><li>Build new relationships</li><li>Extend knowledge and</li></ul>	Anxiety about new routines and meeting new people				
Life event	Positive Effects:	Negative Effects:	college or uni	Develop new skills	<ul> <li>Insecurity about leaving parents and other families</li> </ul>				
Imprisonment	<ul> <li>Depression</li> <li>Loss of contact with family and friends</li> <li>Social isolation</li> <li>Restrictions on physical activity</li> </ul>	<ul> <li>Opportunity to study</li> <li>Improvement in health through balanced diet, lack of alcohol, reduced use of nicotine</li> </ul>	Start a new job o career	Improve confidence     Develop independence     Improve thought processes     Improve self-concept	<ul> <li>Stress about learning new skills and routines</li> <li>Anxiety about meeting new people</li> </ul>				
Redundancy	<ul> <li>Poor self-concept</li> <li>Anxiety about finances</li> <li>Fewer opportunities</li> </ul>	<ul> <li>Opportunities to study or train for a new job</li> <li>More time to spend with family and friends</li> </ul>	Moving to a new house or area	Develop new friendships and relationships	<ul> <li>Unhappiness at loss of old life</li> <li>Stress of moving</li> <li>Social isolation</li> </ul>				
Exclusion or dropping out o education	<ul> <li>Loss of contact with friends</li> <li>Social isolation</li> <li>Poor self-concept</li> <li>Lack of learning opportunities</li> </ul>	<ul> <li>Catalyst for change of behaviour</li> <li>Opportunities for more suitable study or work situation</li> </ul>	Retiremen	<ul> <li>Reduced stress</li> <li>Time to socialise with family and friends</li> <li>Opportunities for leisure of physical activities</li> </ul>	<ul> <li>Loss of relationships with colleagues</li> <li>Possible loss of fitness and mobility</li> <li>Loss of intellectual stimulation and status</li> </ul>				

What we are learning in LAA:				N. What are the effects of economic factors (e.g, income) on health and wellbeing					
L. What are t	he barriers to seeking help.				Positive Effects:	Negative Effects:			
N. What are t	<ul> <li>M. What are the effects of unexpected life events on health and wellbeing</li> <li>N. What are the effects of economic factors (e.g, income) on health and wellbeing</li> <li>O. What are the effects of expected life events on health and wellbeing</li> </ul>			I					
L.	What are the barriers to seeking help.								
Culture									
			Intellect	ual					
Gender			Emotior	nal					
Education			Social						
Stigma			0.	N	Vhat are the effects of expected life e	events on health and wellbeing			
			Life eve	nt	Positive Effects:	Negative Effects:			
			Starting school,						
	are the effects of unexpected life events	_	college						
Life event	Positive Effects:	Negative Effects:							
Imprisonment			Start a new job career	or					
Redundancy			Moving a new house c area						
Exclusion or dropping out o education	f		Retirem	ent					

### What we are learning in LAB:

- A. Physiological health indicatorsB. What are health indicators?C. Interpreting lifestyle data

Α.	Physiolo	ical health indicators					
Pulse		<b>Resting pule rate</b> is measured when a person has been still for about 5 minutes. Health reading for an adult is 60-100 bpm. <b>Pulse rate during exercise:</b> 220bpm minus the person's age.					
Blood p	pressure	<ul> <li>This is the pressure exerted by blood against the artery walls.</li> <li>It is measured in millimetres of mercury (mm Hg) and is shown in two numbers:</li> <li>Systolic pressure: (the top number) is the maximum pressure in the blood vessels as the heart pushes out blood.</li> <li>Diastolic pressure: (the bottom number) as the minimum pressure in the vessels when the heart relaxes between the beats.</li> </ul>					
Peak flo	w	<ul> <li>Measured how quickly you can blow air out of your lungs.</li> <li>it is measured in litters per min (L/min).</li> </ul>					
BMI		Measures the amount of fat on your body in relation to your height to tell you if your weight is healthy.					

В.	What are health indicators?
Importance of understanding indicators	<ul> <li>Detect health problems at an early stage</li> <li>Track improvements or deterioration in health</li> <li>Make recommendations about health and treatments</li> <li>Give advice about future health risks</li> <li>Support individuals to make different lifestyle choices.</li> </ul>
What are lifestyle indicators?	<ul> <li>These indicators can be used to assess risks to an individual's health and wellbeing now and in the future.</li> <li>Professionals collect information about lifestyle choices by asking about a person's:</li> <li>Weekly alcohol consumption</li> <li>Smoking habits</li> <li>Levels of physical activity and exercise.</li> </ul>
What are physiological indicators?	<ul> <li>They show how well the body's systems are functioning.</li> <li>Health professionals check a person's heath by taking measurements.</li> <li>They compare the results with published guidance.</li> </ul>

C.	Interpr	terpreting lifestyle data					
Interpreting data on smoking		<ul> <li>Smoking causes around 96,000 deaths in the UK annually.</li> <li>Smoker under the age of 40 are 5 times more likely to have a heart attack than non-smoker.</li> <li>Smoking causes 80% of deaths from lung cancer, 80% of bronchitis and 14% of deaths from heart disease.</li> <li>More than 25% of all cancer deaths are caused by smoking.</li> <li>On average a smoker will die 10 years earlier than a non-smoker.</li> <li>Smokers are more likely to develop facial wrinkles.</li> <li>Smoking is a cause of impotence and can lead to sperm abnormalities.</li> </ul>					
		<ul> <li>Strongly linked to at least 7 types of cancer</li> <li>Alcohol-related liver disease accounts for 37% of liver disease and deaths.</li> <li>2/3s of cases of chronic pancreatitis are caused by heavy drinking</li> <li>You are between 2 and 5 times more likely to have an accident or injury</li> <li>Each drink per day increases the risk of breast cancer in woman between 7-13%</li> <li>Men and woman should not drink more than 14 units a week and not all in one go.</li> </ul>					
Interpretidata on inactivity	•	<ul> <li>Increased risk of breast cancer by 17.8% and colon cancer by 18.7%</li> <li>Increased risk of type 2 diabetes by 13%.</li> <li>Increased risk of coronary heart disease by 10.5%</li> <li>Leads to obesity and joint pain</li> <li>16.9% of all premature deaths are caused by inactive lifestyle.</li> <li>Active people have a lower risk of premature death.</li> <li>People who are inactive visit their GP more often and they spend 38% more time in hospital.</li> </ul>					

What we are learning	ng in LAB:				
<ul><li>A. Physiological hea</li><li>B. What are health in</li></ul>	Ith indicators		C.	Interp	reting lifestyle data
C. Interpreting lifesty	rle data		Interpret data on	ting	
A. Physiolo	ogical health indicators		smoking		
Pulse	Resting pule rate :				
	Pulse rate during exercise:				
Blood pressure	•			/	
	•				
			Interpret	ting	
Peak flow	•		data on alcohol		
	•			/	
BMI			<b>/</b> ¥	a l	
В.	What are health indicators	?	И	Ĺ	
Importance of understanding					
indicators					
			Interpret	ting	
What are lifestyle			data on inactivit		
indicators?					
				$\rangle$	
What are physiological			5	5	
indicators?					

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What we are learning in LAC:			C.	Personmonded action to most backther	d wellbeing improvement goals			
	-							
<ul> <li>A. What is a person-centred approach</li> <li>B. Health improvement plan</li> <li>C. Recommended action to meet health and wellbeing improvement goals</li> <li>D. SMART targets for health improvement plan</li> <li>E. Sources of support</li> </ul> A. What is a person-centred approach.			To lower blood pressure:       To reduce BMI:         • Eat five or more portions of fruit and veg a day       • Reduce fat and sugar intake         • Cut out salt       • Do not exceed the recommended daily calories intake         • Join a gym       • Get off the buss a stop early and walk the rest of way					
Person- centred approach When	<ul> <li>A holistic approach that puts the individual at the heart of health care planning, so that the whole range of physical, intellectual, emotional and social health needs are met.</li> <li>The needs: physical, intellectual, emotional and social.</li> </ul>		To increase peak flow reading:         • Half the number of cigarettes smoked each day         • Use nicotine replacement therapies         • Join an exercise or dance class.		<ul> <li>Drink water instead of sugary drinks.</li> <li>To reduce pulse rate and improve recovery time after exercise: <ul> <li>Walk for half and hour at lunchtime</li> <li>Drink decaffeinated drinks</li> <li>Take up a physically active hobby</li> <li>Join a yoga group.</li> </ul> </li> </ul>			
planning for health improveme	<ul> <li>The wishes: likes, dislikes, choices and desired health goals.</li> </ul>	D.	SMART targ	ets for health improvement plan				
nts include:	<ul> <li>Circumstances: illness or disability, access to facilities, previous experiences, family and relationships, responsibilities.</li> </ul>	<u>S</u> pecific	The targe		/ what you mean, such as to 'lose 2 kg in weight in a misunderstanding.			
Benefits of person-	<ul> <li>Will feel involved</li> <li>Is more likely to trust a health</li> </ul>	<u>M</u> easurable	A target o target.	f to 'lose weight' is too vague. A specific amo	ount must be stated so you can prove you have met your			
Is more likely to follow the plan and achieve the targets		<u>A</u> chievable/ attainable	If you are following a health and wellbeing improvement plan you must feel it is possible to achieve it. If you do not, you will probably give up before you have even started. An achievable target is to 'lose 1kg this week'. An unachievable target would be to 'lose 20kg this week'.					
B. Hea	Will take responsibility for their own health.  Ith improvement plan	<u>R</u> ealistic	who is old		le to physically do it. It is not realistic to expect a person ay to help weight loss, but it is realistic to ask the same of a			
What is it?	Health and welling improvement plans are often based on an individual's physiological	<u>Ti</u> me-related		t must have a deadline, so that you know wh	en you need to achieve the target by, and progress can			
	and lifestyle indicators. Plans should be person-centred and include goals, actions and targets and possible sources of	E.	Sources of support					
The plan will	<ul><li>support.</li><li>The health issues and goal</li><li>The recommended actions to take</li></ul>	Informal support	support an	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.				
identify:       • A set of targets for health improvement         • The supports that are needed       • Professions         • Possible obstacles to progress and way to overcome them.       (formal)		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.						
Positive effects of a health improvem ent plan	<ul> <li>Be fitter</li> <li>Loose weight</li> <li>Have improved self-concept</li> <li>Lower blood pressure, healthier heart</li> <li>Reduced risk of cancer</li> <li>Taking control of their health outcomes and reaching health goals</li> </ul>	Voluntary support	Organization support se paid by door neighbourh	ons offering voluntary support are charities, c rvices, many staff are volunteers ( they work nations. Community groups work at a local le lood i.e. foodbanks. Religious groups are for they help all people in need regardless of the	community groups and religious groups. At voluntary for free), but they also employ qualified people who are evel to meet the needs of people living in a specific med by people who share the same religious or spiritual eir beliefs and background i.e. a church run soup kitchen			

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What we are learning in LAC:			C. Recommended action to meet health and wellbeing improvement goals				
B. Health imp C. Recommen	person-centred approach provement plan nded action to meet health and wellbeing impro rgets for health improvement plan f support	ovement goals	<u>To lower b</u>	lood pressure:	<u>To reduce BMI:</u>		
А.	What is a person-centred approach.		1				
Person- centred approach			<u>To increas</u>	e peak flow reading:	To reduce pulse rate and improve recovery time after exercise:		
When planning for		D.	SMART targ	ets for health improvement plan			
health improveme nts include:		<u>S</u> pecific					
Benefits of person- centred	person-						
approacn:							
	th improvement plan	<u>R</u> ealistic					
What is it?		<u>Ti</u> me-related					
		E.	Sources o	f support			
The plan will identify:		Informal support					
Positive		Professions (formal) support					
effects of a health improvem ent plan		Voluntary support					

	Year 11 BTEC Health and Social Care- <u>Component 3</u> : Health and Wellbeing. LAA						
F.	What are the potential obstacle to implementing plans?	G.	What	are the possible obstacle	s to accessing services?		
Emotional/ psychological- Lack of motivation	<ul> <li>A conflict between choices such as worrying that giving up smoking could result in weight gain</li> <li>Other priorities in a person's life- such as getting married or bereavement.</li> <li>Having negative attitude- believing change will be too difficult</li> <li>Lack of progress for example losing eight quickly in the first weeks but then slowing down.</li> </ul>			Possible obstacles	Suggestions to overcome obstacles		
	<ul> <li>Having a blip- thinking there is no point in continuing the plan after briefly returning to an old lifestyle.</li> </ul>	Geograp	hical	<ul> <li>Service is difficult to get to because of poor bus or train</li> </ul>	<ul> <li>Arrange hospital transport</li> <li>Suggest telephone</li> </ul>		
Emotional/ psychological- Low Self-	<ul> <li>People with low self-concept don't value themselves,</li> <li>Feel powerless to change their lifestyle or that there's no point in starting because the task seems too big.</li> </ul>			services.	helplines or internet support groups.		
concept	<ul> <li>Some thin that because they were unsuccessful in other aspects of their life, they won't achieve their health goals.</li> <li>They may not feel they have support and approval from family and friends even if they really do.</li> </ul>	Financia	I	<ul> <li>Charges to use the services</li> <li>Time off from work would mean loss of pay</li> </ul>	<ul> <li>Check for entitlements, such as medicines and treatments</li> <li>Direct the person to advice on benefits and</li> </ul>		
Emotional/ psychological- Acceptance of	<ul> <li>People my accept their present health problems or lifestyle choices, as it Is easier to stay the same than to make changes.</li> <li>Have no incentive to make a change because they do not understand the health risks.</li> </ul>	Psycholo	ogical	Fear of being	<ul><li>employee rights.</li><li>Talk about concerns</li></ul>		
the current state	<ul> <li>Have no desire to change, for example, if they are happy with their weight or don't want to give up smoking.</li> </ul>	, , , , , , , , , , , , , , , , , , , ,		judged because there is stigma around a health	<ul> <li>and reassure</li> <li>Direct the person to a charity that supports</li> </ul>		
Time constraints	<ul> <li>People find that they do not have the time to achieve their health improvements targets because of:</li> <li>Care of young children, family members that are not well.</li> <li>Regular and additional work and study commitments</li> <li>Domestic chores</li> <li>Medical appointments</li> </ul>			problem (mental health, obesity)	people with a particular health problem.		
				<ul> <li>Difficulty getting into the buildings where the service</li> </ul>	<ul> <li>Be aware of services that are adapted for easy access</li> </ul>		
Availability of resources	<ul> <li>Financial obstacles:</li> <li>Gym memberships, entry fee for a swimming pool</li> <li>Cost of attending exercise classes</li> <li>Cost of travel to the gym. pool or to attend health appointments</li> <li>Higher costs of some healthy foods.</li> <li>Lack of and the cost of exercise equipment</li> </ul>			is provided (no wheelchair access). • No where to park near the service	Ask a friend or family member to drop the person off at the service		
Unachievable targets	<ul> <li>Expectations too high</li> <li>Targets are not clear</li> <li>There are too many targets</li> <li>Timing is wrong/poor</li> <li>Targets are not suitable for the individual</li> <li>Fear of not being able to meet targets</li> <li>Not being in the right frame of mind to commit to the plan, e.g. due to depression.</li> </ul>	Personal needs		Communication difficulties because of pool language skills, sensory or learning disability.	<ul> <li>Provide support services that meet the person's needs, such as a BSL signer, interpreter, advocate</li> </ul>		
Lack of support	<ul> <li>Diet- find it difficult if a person on a healthy eating plan is surrounded by others that eat junk food or tempted by the chocolate and biscuits in the cupboard, Family and friends go out for meals instead of doing other activities.</li> <li>Smoking- friends and family smoking and offering them cigarettes. Lacking will power to quit.</li> <li>Alcohol consumption- someone that is used to drinking with family and friends will find it difficult</li> </ul>			<ul> <li>Concern that cultural needs are not understood</li> </ul>	Use anti-discriminatory practice and encourage others to do so		
	to stop without their support. It would be hard to quit if the family and friends will hird it difficult their meals, friends centre a night out around heavy drinking at pubs and clubs.	Resourc	es	Limits on services, such as support	Suggest sources of second-hand		
Ability, disability and addiction	<ul> <li>Understand what they need to do</li> <li>Learn how to make the required changes in their lives.</li> <li>Any places the person uses are wheelchair accessible</li> <li>Any exercise advised is wheelchair friendly.</li> <li>If stop smoking, then can put on weight- put people off.</li> <li>Like the way alcohol makes them feel but cant admit that they have a problem</li> </ul>			<ul> <li>aids and equipment</li> <li>Staff shortages, leading to long waits for appointments and support.</li> </ul>	<ul> <li>equipment</li> <li>Look for alternative strategies, for example an exercise DVD if there are no places at an exercise class.</li> </ul>		

	Year 11 BTEC Health and Social Care- <u>Component 3</u> : Health and Wellbeing. LAA									
F.	What are the potential obstacle to implementing plans?	G. What		are the possible obstacles to accessing services?						
Emotional/ psychological- Lack of		Type of obstacle		Possible obstacles	Suggestions to overcome obstacles					
motivation		Geograp	hical							
Emotional/ psychological- Low Self-										
concept		Financia	I							
Emotional/ psychological-										
Acceptance of the current state		Psycholo	ogical							
Time constraints										
		Physical								
Availability of resources										
		Personal needs								
Unachievable targets										
Lack of support		Resource	es							

Ability, disability addiction	anc

Planning Item	Purpose	Contents	Example
Mood board	Central focus of ideas, in one place. Generate ideas for a client to meet their approval. Used to share ideas and concepts.	Images Colours Text – Fonts, colours, styles, keywords Textures – Fabrics and other materials Digital – Sound and video clips	Ravoye LET
Mind Map / Spider Diagram	Generate and outline ideas quickly. Develop and show links between thoughts, aspects and processes. Show a range of ideas and connections between them.	Central node with main theme. Sub-nodes with interconnecting lines/branches. Text. Images can also be used.	HEALTH HE
Visualisation Diagram	Plan the layout of a still image in a visual manner. Shows how the finished item may look so that changes can be made if needed. Provides the graphic designer with information needed to create. To show a client what the product will look like.	Multiple images and graphics showing size and position. Colours and colour scheme. Position and style of text. Fonts to be used. Annotations providing more detail.	

Storyboard	Provide a visual representation of a how a media project will look. Provide a graphical illustration of a sequence of movements. Provide guidance on what scenes to film or create. Help visualise the characters and the scenes.	Images. Locations. Camera shot types and angles. Camera movement. Shot length and timings. Lighting. Sound.	<image/> <image/>
Script	Identify the location where the action takes place. Identify who will be in the scene. Provide stage directions for actors and production crew. Provide dialogue for actors.	Set locations. Scene descriptions. Scene/stage directions. Camera shot types. Camera movement. Sounds and sound effects. Names of actors/ characters. Dialogue.	<page-header><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></page-header>

Requirements	Purpose	Content
Client	Clear statement of what is to be created /	Statement of product.
	produced.	Purpose of the product.
	Provides the developer / creators with an	Target Audience
	outline of expectations and constraints	Content
	(timescale).	Timescale
		Restrictions
		House Style (Colours/ themes)
Target Audience	Identifies who the final product is intended	Age
	for.	Gender
	Provides the developer/ creators with the	Location – Local, National, International
	necessary information for them to design the	Ethnicity – Background, Culture, Race,
	product to appeal to the Target Audience.	Religion, Language

Research	Definition	Examples
Primary Sources	Information is obtained firsthand from an original	Autobiography
	source.	First hand account
		Diary
		Interview
		Video Footage
		Photo
		Official Records
Secondary Sources	Information is obtained second hand where	Biography
	somebody else has created the data.	Second hand account
		History textbook
		Magazine Article
		Report
		Other people's products
		News Broadcast

Planning Item	Purpose	Contents	Example
Mood board			
Mind Map / Spider Diagram			HEATH HEATH HEATH HEATH HEAT
Visualisation Diagram			

Storyboard		<image/> <image/>
Script		<page-header><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></page-header>

Requirements	Purpose	Content
Client		
Target Audience		

Research	Definition	Examples
Primary Sources		
Secondary Sources		