100% book - Year 9 Mainstream

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



Term 1

Swindon	Academy 2023-24
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

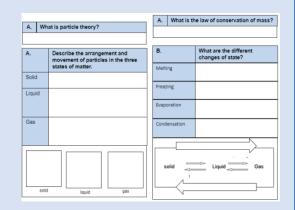
Knowledge Organisers

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

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

Quizzable Knowledge Organisers



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

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

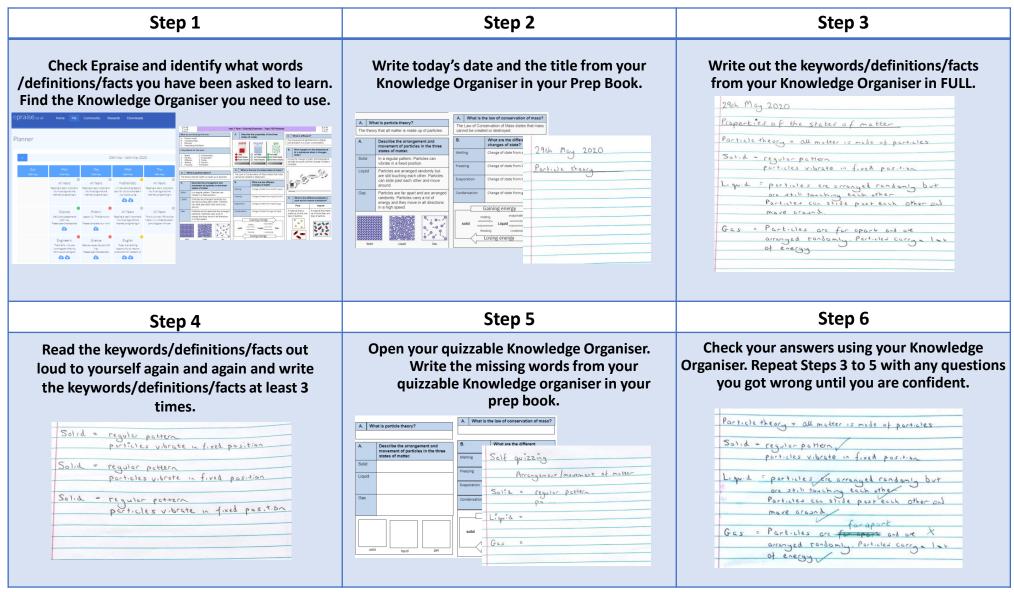
Top Tip

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

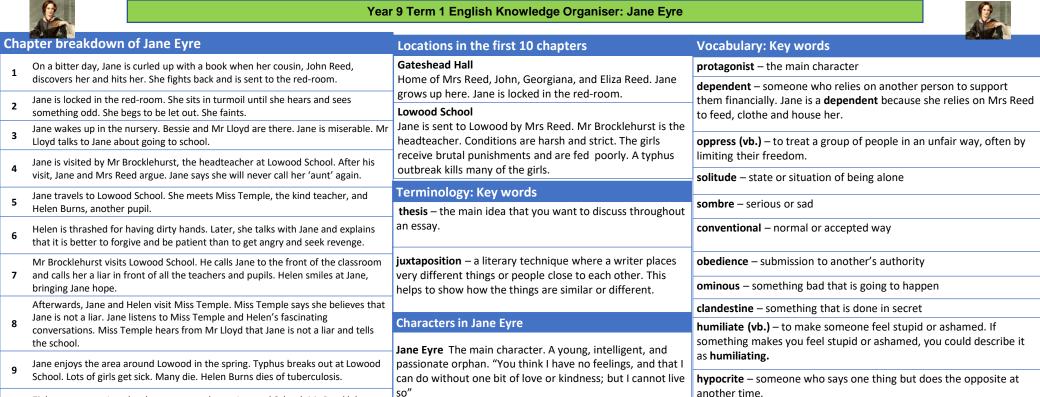
Expectations for Prep and for using your Knowledge Organisers

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



Mrs Reed - Jane's aunt She neglects and abuses Jane and

is glad to send her away to Lowood School. "Guard against

Mr Brocklehurst - The governor of Lowood school A cruel

and hypocritical Christian. He believes in driving evil from

children through harsh discipline. "Punish her body to save

Helen Burns – Jane's friend A kind and forgiving Christian.

dies of tuberculosis at 14. "Love your enemies; bless them

She inspires Jane to be more patient and accepting. She

that curse you; do good to them that hate you and

Miss Temple The kind and understanding teacher at

shall be publicly cleared from every imputation: to me,

Lowood. Offers care and affection to Jane and Helen. "You

her worst fault, a tendency to deceit"

her soul"

despitefully use you."

Jane, you are clear now."

comeuppance – when a villain receives some form of punishment for

A child is a blank slate and can be trained to develop into a

A child is born completely innocent and pure. They are only

The child is born evil and must therefore be controlled and

punished in order to submit to the rules of God and society.

Parts of 'Jane Eyre' were influenced by Brontë's experiences at

'Jane Eyre' was unusual when it was published because it is

written in the first-person from a female perspective.

contaminated by contact with corrupt forces.

1 'Jane Eyre' written in 1847 by Charlotte Brontë.

what they did.

rational being.

Biographical information

school and as a young woman.

Victorian attitudes to childhood

Eight years pass. Jane has become a teacher at Lowood School. Mr Brocklehurst had his power removed when his treatment at the school was discovered. Jane

Social Class: Jane is an orphan and dependent on the charity of her

extended family. Jane is poor and of low class – powerless. She suffers

2 back on her childhood in the novel. She learns to manage her emotions.

Growth: Jane is constantly growing and maturing. She is an adult reflecting

Oppression: Oppression of women. Jane's abusive childhood is a form of oppression. Adults oppressing children in a huge theme in the novel.

Role of women in society: Jane is angry at her place in society. Lowood is

4 an all-girls' school. Women as governesses, teachers, servants. Low class

applies to be a governess for a family at Milcote.

Lowood is harsh and corrupt – religious hypocrisy.

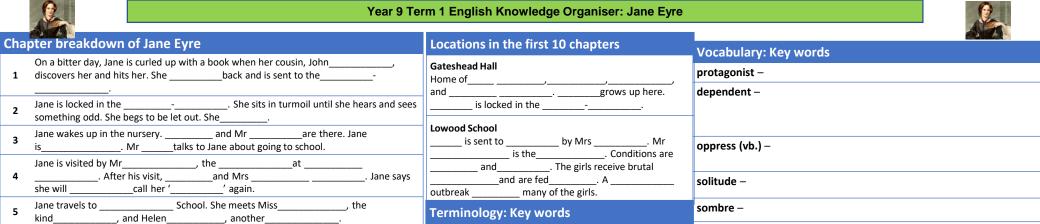
Her relationships with others help her grow.

Religion as a form of oppression. In the novel.

abuse by John Reed, her 'master'

women are powerless.

The Big Ideas:



thesis -.

Jane Eyre

juxtaposition -

Characters in Jane Eyre

Mrs Reed - Jane's aunt

Helen Burns – Jane's friend

Miss Temple

Mr Brocklehurst - The governor of Lowood school

is thrashed for having hands. Later, she talks with Jane and

6 explains that it is better to _____and be ____than to get ____and

Mr Brocklehurst visits Lowood School. He calls Jane to the front of the classroom and

Afterwards, _____ and _____ visit Miss Temple. Miss Temple says she believes

_____ pass. Jane has become a _____ at _____

______. Mr_____ had his _____ when his at the school was . Jane applies to be a governess for a

 Social Class: Jane is an _______ and ______ on the ______ of her extended family. Jane is _____ and of ______ class - ______ . She

suffers by John Reed, her 'master'. Lowood is harsh and –

Growth: Jane is constantly _____ and _____. She is an adult

back on her in the novel. She learns to manage her . Her with help her

Oppression: Oppression of _______. Jane's ______ childhood is a form of oppression. Adults oppressing in a huge theme in the novel.

4 Lowood is an all-girls' school. Women as governesses, teachers, servants. Low

as a form of oppression in the novel.

Role of women in society: Jane is at her place in

. Miss Temple hears from Mr that Jane is not a

7 calls her a _____ in front of all the _____ and _____. Helen smiles at

that Jane is a . Jane listens to Miss Temple and Helen's

Jane ______ in the _____.

_____ breaks out at Lowood School. Lots of girls get_____.

Many_____ . Helen Burns _____ of_____.

Jane, bringing Jane_____.

and tells the

family at Milcote.

religious_____.

class women as _____

The Big Ideas:

conventional -

obedience –

clandestine -

hypocrite -

comeuppance -

Victorian attitudes to childhood

2 A child is born completely innocent and pure...

1 'Jane Eyre' written in ______by Charlotte____

and as a young______.

Parts of 'Jane Eyre' were influenced by Brontë's experiences at

'Jane Eyre' was unusual when it was published because it is

1 A child is a blank slate...

3 The child is born evil...

3 written in the

Biographical information

humiliate (vb.) -

ominous -



Year 9 Term 1: Topic Number Revisited

A	Ø	-
A	E:MC ²	5
*	: 28	8

What we are learning this term:

- A. Four Operations with Decimals
- B. Indices, Powers & Roots
- C. Ratio

- Priority
- Powers
- Roots
- Indices
- Ratio
- **Equal Parts**

A.	Four Operations with Decimals
Priority	When calculating with multiple operations, certain operations have priority. BIDMAS encapsulates this.

Multiplying with Decimals

 4.5×3.4

Step 1: Multiply disregarding the decimal points

45×34	45
42 × 24	×34
- 152n	180
= 1530	1350
	1530

Step 2: Consider where to place decimal point

B. Indices, Powers a	B. Indices, Powers and Roots - defintions					
Powers	The power of a number dictates how many times we use it in a multiplication. Example 2 ³ = 2 x 2 x 2					
Square Root	A square root of a number is a value that, when multiplied by itself, gives the number. Example: 4 × 4 = 16, so a square root of 16 is 4					
Cube Root	The cube root of a number is a special value that, when used in a multiplication three times, gives that number. Example: 3 × 3 × 3 = 27, so the cube root of 27 is 3.					

В	Fractional Indices	d Roots – Extended.	Ple		_	5) IC
	Indices	The index of a number says how many times to use the number in a multiplication				one part

 $25^{\frac{1}{2}}$ 5

Step: Any integer raised to the power of Is to be squared rooted.

Step: Any integer raised to the power of Is to be cube rooted.

ue of one part

He has 15 oranges.

C.

Define:

Ratio

Define:

Equal Parts

Ratio

Ratio is the comparison of two

Ratio stipulates how many equal

parts represent a given quantity

values of the same kind

James has some apples and oranges.

The ratio of apples and oranges is 2:5

How many apples does James have?

Step 1: Allocate the equal parts and assigned them quantity if possible

Step 3: Answer the question
$$2 \times 3 = 6$$
 apples



Ø	-
E:MC ²	3
8 8	80
	E:MC ²

▼ 88 %		Year 9 Term 1: Topic Number Revisited							
What we a	re learning this term:	B. Inc	lices, Powers a	nd Roots - defintions		C.	Ratio		
	Operations with Decimals s, Powers & Roots	Powe	rs			efine: atio			
Key Words		Squar	e Root						
 Priority Powers Roots Indices 		Squar	e Root			efine: al Parts			
5) Ratio 6) Equal F	Parts						s some apples and oranges.		
		Cube	Root		Не	has 15	of apples and oranges is 2:5 oranges. ny apples does James have?		
A.	Four Operations with Decimals				Step		iy appies does james nave:		
Priority		В	Indices, Powe	ers and Roots – Extended.					
	Multiplying with Decimals		Indices	ices					
	4.5 x 3.4								
Step 1:					Step	o 2:			
		6	$25^{rac{1}{2}}$						
		Step	:						
Step 2:		1 1	$25^{\frac{1}{3}}$		Step	3:			

Step:



Year 9 Term 1 Science/Chemistry: Topic CE Energetics and Rates



What we are learning this term:

A. Types of reaction

C. Energy in Reactions

B. Catalysts

5 Key Words for this term

1. Decomposition

4. Endothermic5. Displacement

Oxidation
 Evothermic

A.

Exothermic

What is a chemical reaction?

The breaking of bonds in reactants and making of bonds to for products. A new substance is formed

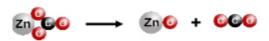
A What is Thermal Decomposition?

Thermal decomposition is a chemical reaction where heat is used to break down a substance.

Does a thermal decompostion reaction give out energy, or take in energy from its surroundings?

Thermal decomposition is an endothermic reaction - it takes in energy. Because thermal decomposition is endothermic, it means bonds are being broken.

Examples: Zinc Carbonate \Rightarrow Zinc Oxide + Carbon dioxide $ZnCO_3 \Rightarrow ZnO + CO_2$



Magnesium carbonate \rightarrow Magnesium Oxide + Carbon dioxide MgCO₃ \rightarrow MgO + CO₂



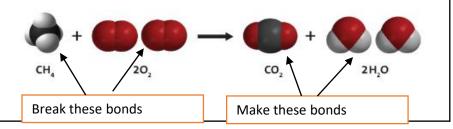
What is Combustion?

A chemical reaction where a fuel reacts with oxygen to make carbon dioxide and water

Does a combustion reaction give out energy, or take in energy from its surroundings?

Combustion is a exothermic reaction- it gives energy into the surroundings. Because combustion is exothermic, it means bonds are being made

Examples: methane + oxygen \rightarrow carbon dioxide + water $CH_4 + 2O_2 \rightarrow CO_2 + 2H_2O$



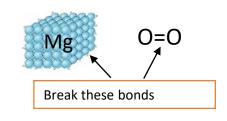
A. What is oxidation?

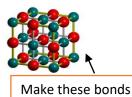
Oxidation is a chemical reaction where an element or compound reacts with oxygen

Does an oxidation reaction give out energy, or take in energy from its surroundings?

Oxidation reactions are mostly exothermic reactions- giving energy to the surrounding. Because oxidation reactions are exothermic, it means that bonds are being made.

Examples: Magnesium + Oxygen → Magnesium Oxide
Mg + Oxygen → MaO







Year 9 Term 1 Science/Chemistry: Topic CE Energetics and Rates



What we are learning this term:

A. Types of reaction

C. Energy in Reactions

B. Catalysts

5 Key Words for this term

1.

4. 5.

- 2. 3.
- A. What is a chemical reaction?

A What is Thermal Decomposition?

Does a thermal decompostion reaction give out energy, or take in energy from its surroundings?

Examples: Zinc Carbonate →

Zn - Zn - + 666

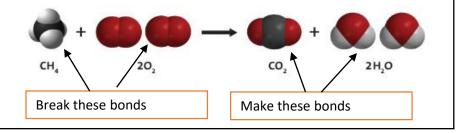
Magnesium carbonate \rightarrow



A. What is Combustion?

 $\label{eq:combustion} \textbf{Does a combustion reaction give out energy, or take in energy from its surroundings?}$

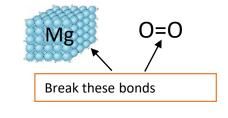
Examples: methane + oxygen →

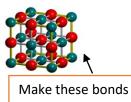


A. What is oxidation?

 $\label{eq:continuous} \textbf{Does an oxidation reaction give out energy, or take in energy from its surroundings?}$

Examples: Magnesium + Oxygen →







Year 9 Term 1 Science/Chemistry: Topic CE Energetics and Rates



Progress of reaction

B. What 2 things do you need for a successful reaction to happen?

- 1. Particles to collide
- 2. Enough energy for a reaction to occur (activation energy)

B. What is the rate of a reaction?

The rate of reaction is the speed at which a chemical reaction is happening. This can vary hugely from reaction to reaction.

What factors can affect rate of reaction?

- 1.Changing temperature
- 2. Changing the concentration of a solution
- 3. Changing the surface area of a solid
- 4. Adding a catalyst

B. What is a catalyst?

A catalyst is a substance which speeds up a chemical reaction without being used up.

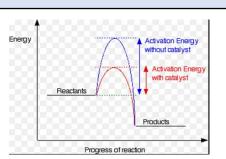
They are specific to each reaction

B. How do catalysts work?

Catalysts speeds up a reaction by:

- Lowering the activation energy
- · this means that there are more successful collisions
- Therefore a faster reaction.

How can you show this on a reaction profile?



B. Why aren't catalysts written in the chemical equation of a reaction?

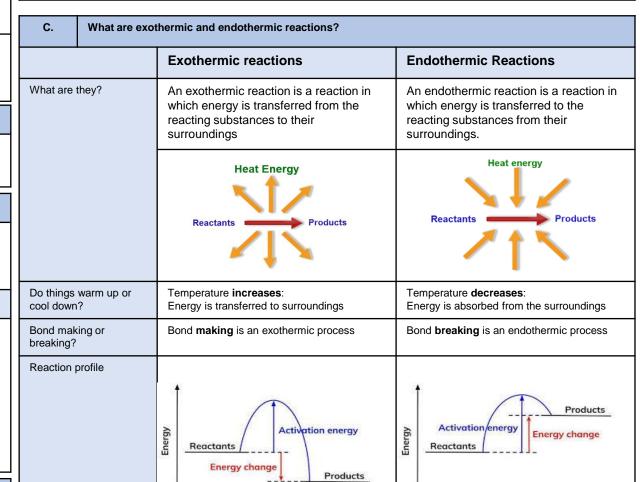
Catalysts are not included in a chemical equation as they are not used up in a chemical reaction.

C. What is Activation energy?

The minimum energy required for a successful collision between reactants

What is a reaction profile?

A graph which show the energies of the reactants and products at different stages of the chemical reaction



Progress of reaction

<u>∓</u> &	5	Year 9 Term 1 Science/Chemistry : Topic CE Energetics and Rates						
В.	What 2 thir happen?	ngs do you need for a successful reaction to	C.	What is Activa	tion energy?			
1.			\M/bat :	s a reaction prof	GIA2			
2.	ı		Wilati	s a reaction pro	ine r			
В.	What is the	rate of a reaction?						
			C.	What are exot	thermic and endothermic reactions?			
	factors can rate of on?	1. 2. 3.			Exothermic reactions	Endothermic Reactions	S	
rodomo		4.	What ar	re they?				
В.	What is a c	catalyst?						
В.	How do ca	talysts work?						
How	can you show	this on a reaction profile?	Do thing	gs warm up or wn?				
			Bond m breaking	aking or g?				
			Reactio	n profile				
В.	Why aren't	catalysts written in the chemical equation of						
		_						



Year 9 Term 1 Science / Physics: Topic 9PS Sound



What we are learning this term:

- A. Compare Light and Sound waves
- B. Wave behaviour
- C. Sound waves
- D. Hearing ranges
- E. Uses of sound

Α.	Types of Waves
	. , poo o

Transverse

wave

B.

Diffraction

Waves <u>transfer energy</u> without transferring matter.

A. What are the two types of waves?

•	Transfer energy perpendicular to the direction of the	

What different behaviours do waves show?

Transfer energy parallel to the direction of the wave

What is Superposition

Longitudinal

3 Key Words for this term

Travels faster in more

dense media

- 1. Ultrasound
- 2. Frequency
- 3. Transverse

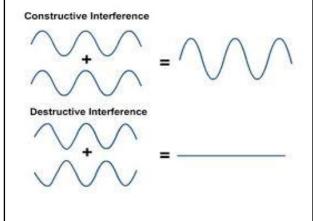
A.	How do sound waves compare with Electromagnetic waves (e.g. Light)			
Sound		EM waves, like light		
Requires a medium (particles) to travel		Does not require a medium (particles)		
Longitudinal waves		Transverse Waves		

Waves can travel through all sorts of media, and different things can happen at the boundary between different media:				
Transmission The travelling of a wave. We say a wave is 'transmitted' through a medium				
Reflection	When a wave bounces back from a boundary between media at the same angle as which it hit the boundary.			
Refraction	When a wave changes direction at the boundary between media due to a change in speed.			
Absorption	When the energy a wave transfers goes into heating a material.			

through a gap.

The spreading out of a wave after it passes

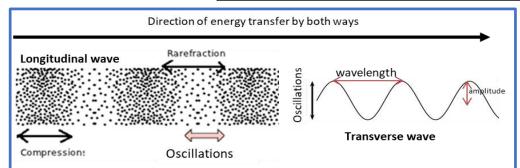
Superposition occurs when two or more of the same kind of waves are travelling together. The waves can add up or cancel each other out depending on how they line up.



C.	Changes in sounds		
What is pitch?		The highness/lowness of a sound. Higher sounds have a higher frequency	
What	is frequency?	The number of oscillations in a wave per second. This is also the number of waves passing a point per second. It is measured in Hertz	
What	is volume?	The intensity of a sound – measured in decibels	

Travels slower in more

dense material



* 8	· 5		Year 9	erm 1 Science	/ Physics : Topic 9PS Sound		* * * * 1 on: 4	
What	we are learning this	term:	A.	Types of Wav	es			
A. Compare Light and Sound waves		Waves <u>t</u>	ransfer energy with	nout transferring matter.				
	Vave behaviour Sound waves		Α.	A. What are the two types of waves?				
D. H	learing ranges Ises of sound			•				
E. C	ises of sourid							
3 Key	Words for this term					1 —		
1. 2.			В.	What different b	ehaviours do Waves show?	В.	What is Superposition?	
3.					Il sorts of media, and different things can atween different media:			
•	Have do Cavad was		Transm	ission		1		
A.	How do Sound way Electromagnetic wa		Reflecti	on		Co	nstructive Interference	
Soui	nd	EM waves, like light				1	$\sim \sim \sim \sim \sim \sim$	
			Refracti	on		/		
						D	estructive Interference	
			Absorp	ion		/		
		Diffract	on					
C.	Changes in sound	ds			Direction		ransfer by both ways	
Wha	at is pitch?				Directions	or energy t	Talislei by both ways	
VVII	at is pitch:				Longitudinal wave	ction	W	
Wha	at is frequency?						wavelength wavelength	
Wha	at is volume?				←→ ←	\Rightarrow	Transverse wave	

Compressions

Oscillations



Year 9 Term 1 Science / Physics: Topic 9PS Sound

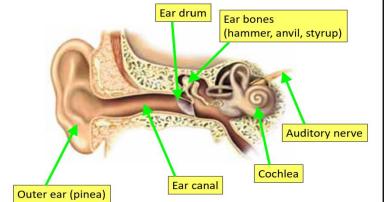


C.	How is sound produced?	
Sound is produced by vibrations		
How does sound travel?		
Vibrations transfer energy through particles.		
Which media does sound travel fastest and why?		

Solids – the particles are closer together

D.	Hearing ranges				
What is the hearing range of humans?		Humans have a hearing range between 20 – 20000 Hz			
What is Ultrasound?		Sounds with a frequency about 20000Hz			
What is ultrasound used for?		Uses of ultrasound: Prenatal scans of unborn children Ultrasonic cleaning of fragile objects Breaking up deposits called kidney stones to prevent harm.			

C.	Part of the Ear	What is the Function?			
1. Ou	iter ear (pinea)	Collects the sound like a funnel.			
2. Ear canal		Transmits sounds from the pinea to the ear drum			
3. Ea	r drum	Sound waves causes this to vibrate			
4. Ear bones (hammer, anvil, stirrup)		After the ear drum vibrates, it passes the vibrations on to these. They transfer the vibrations to the cochlea			
5. Cochlea		Receives vibrations and converts these to nerve impulses			
6. Auditory nerve		Carries nerve impulses (messages) to the brain			



E. What is an echo?

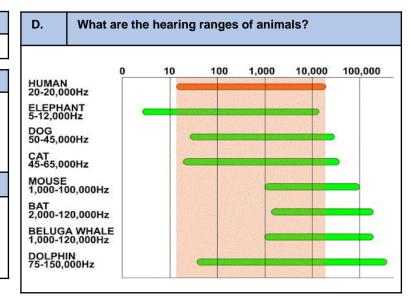
A reflected sound

E. How do loudspeakers work?

- · Loudspeakers are vibrating cones.
- The pattern and frequency of the vibrations (oscillations) determines the sound.

How do Microphones work?

Microphones have a vibrating <u>diaphragm</u> inside, which transfers the sound wave into an electrical signal in a circuit.

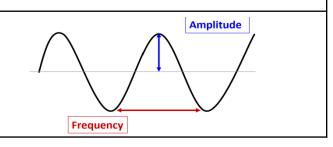


D. Seeing sounds – How can you see sounds?

You can use an instrument called an oscilloscope to see a sound wave

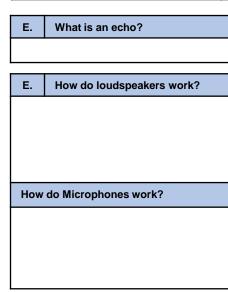
Amplitude (volume) is shown by the height. The higher the waves, the louder the sound.

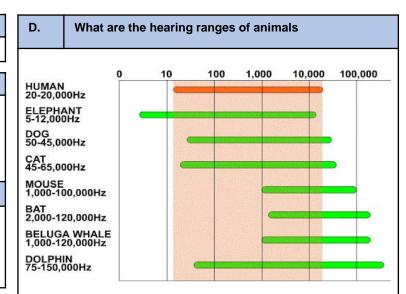
The frequency is shown by how close the waves are to each other. The closer they are, the higher the pitch.

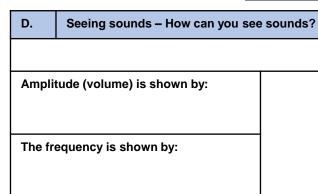


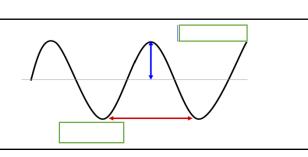
✓ Ø * ▼ ··· · · · · · · · · · · · · · · · · ·	9 Term 1 Science / Physics : Topic 9PS Sound			
C. How is sound produced?	D.	Hearing ranges		
	What is	s the hearing range of humans?		
How does sound travel?	What is	s Ultrasound?		
	What is	s ultrasound used for?		
Which media does sound travel fastest and why?				

C.	Part of the Ear	What is the Function?
1. Outer ear (pinea)		
2. Ear canal		
3. Ear drum		
4. Ear bones (hammer, anvil, stirrup)		
5. Cochlea		
6. Auditory nerve		











Y9- T1 - Life in an Emerging Country

located e.g. a developed country.



			1			
Backg	ground:		В.	Develo	pment i	ndicators (3)
1. 2.	Development r things better. As a country de	GDP p		The to countr	tal value of goods and services sold by y in a year divided by the population.	
3.	people's stand (B)	ard of living and quality of life improve.	HDI			elopment measure which combines GD pita, life expectancy and literacy rate.
4.	economic, soc Emerging cour	ial and political factors. (A) ntries have begun to experience higher pment, with a rapid growth in	Life expec	tancy	The av	verage age you are expected to live to intry.
5.	secondary indu Emerging cour	ustries. (A, C) htries have some of the fastest rates of	D.	Rural t	o urbai	n migration <i>(4)</i>
6.	populated, this and challenges	urban areas (cities) to become highly process can have both opportunities s. One such challenge is the growth of	Rural migra	to urban ition		The movement of people from rura areas (countryside) to urban areas (cities).
7.	transnational c	ntries often host the factories of many companies. They provide wages and	Push	factor		Things that make people want to leave an area e.g. a lack of jobs.
	taxes, and can promote development. However, they can also cause negatives. (F, G)		Pull factor			Things that attract people to live in an area e.g. good health care.
A.	A. Characteristics of emerging countries (7)					
BRIC countries Brazil, Russia, India, China.					When machines begin to do the work which humans once completed.	
MINT	countries	Mexico, Indonesia, Nigeria, Turkey.	F.	Transı	nationa	Il corporations (TNCs) (5)
Industrialisation		The process of a country moving from mostly agriculture (farming) to manufacturing (making)		national ration		Those that operate across more than one country.
	pyment	goods. How the workforce is divided up	Footlo	Footloose		Industries which are not tied to a location due to natural resources or transport links.
structure		between primary, secondary, tertiary and quaternary employment.	Globa	alisation		The increased connectivity of countries around the world e.g.
Secondary industry		An industry which manufactures goods.				through trade.
Exports		Sending goods to another country for sale.	Host	Host country		The country where the TNC places it's factories e.g. in an emerging or developing country.
Urbanisation		The growth in the number/ proportion of people living in	Source	ce country	/	The country where the headquarters for the TNC is located e.g. a developed country.

towns and cities.

C.	Encou	ouraging development (4)	
Subsidy		Money given by a government to help an industry keep down the cost of exports.	
Tax breaks		This reduces the amount of tax a company must pay (normally for a fixed period), therefore increasing profit.	
Minimum wage		The lowest wage permitted by law in a country.	
Trade unions		An organisation of workers who work to protect the rights of those employed.	
E.	Squatt	er settlements (5)	

Squatter/ shanty settlement	An area (often illegal) of poor quality housing, lacking basic services e.g. water.
Inequality	Differences in wealth, and wellbeing.
Sanitation	Measures to protect public health e.g. clean water and disposing of sewage.
Informal economy	Jobs which are not taxed, workers do not have contracts or rights.
Quality of life	A measure of how 'wealthy' people are, but measured using housing, employment and environment, rather than income.

ı		
	G.	Impact of TNCs
	Positive: (5)	 More jobs. More taxes. Invest in infrastructure projects. GDP increases. Develop workers skills.
-	Negative: (3)	Can exploit workers e.g. long hours. Most of the profits from TNCs leave the country where production takes place. Increased levels of pollution e.g. air and water (from industrial waste).



Y9- T1 - Life in an Emerging Country - Quizzable



Background:			B. Development indicators (3)		C.	C. Encouraging development (4)		
	Development means	B .		ent indicators (3)	Subsid	y		
2.	As a country develops it usually means	capit			Tax bre	eaks		
3.			HDI		Minimu	ım wage		
4.	(A) Emerging countries have begun to experience higher rates ofwith a rapid growth	Life expe	Life expectancy			unions		
	in (A, C) Emerging countries have some of the	D.	D. Rural to urban migration (4)		E.	Squate	ter settlements (5)	
	in the world. (D) This is causing urban areas (cities) to become, this process can have both		Rural to urban migration		shanty	Squatter/ shanty settlement		
	opportunities and challenges. One such challenge is the growth of	Push	factor		Inequa	ality		
(E)7. Emerging countries often host the factories of many transnational companies. They provide		Pull factor		Sanita	Sanitation			
wages and taxes, and can promote development. However, they can also cause negatives. (F, G)		Mecha	Mechanisation			Informal economy		
A. Characteristics of emerging countries (7) BRIC countries		F. Transnational corporations (TNCs) (5)		Qualit	y of life			
			national					
MINT countries		corporation		G.	Imp	act of TNCs		
Industrialisation		Footloose			Positi	ve:	1. 2.	
Employment structure		Globalisation					3. 4.	
Secondary		Host country				5.		
industry Exports		Those country		Negative: (3)		1.		
Едропо		Source	Source country		-		2.	
Urbanisation							3.	

Year 9 Term 1 History Knowledge organiser: Topic = British Sector of the Western Front, 1914-1918: injuries, treatments and trenches.

		_		
What we are learning this term:		C.	Causes of WWI	
Fror	e main battles on the British Sector of the Western int during WWI e trench system – structure and features	Militarism	Britain 'ruled the waves'. It had to most powerful Navy in the world. Germany wanted to rival Britain's empire so it began to build an even better navy. Once Britain heard about Germany's plans to build a navy, they too began to build a bigger and better navy. This is called the 'naval race'.	
D. How E. How	Ith problems caused by the conditions in the trencher the wounded were evacuated and who treated the the war led to improvements in medicine fulness of primary sources for historical enquiries		In 1882 Austria, Germany and Italy signed the Triple Alliance. They promised to defend each other if either were attacked. This is called the Triple Alliance . France and Russia: France and Russia had had an alliance since 1904 – because they both thought the best way of controlling Germany was to surround her. This then turned into the Triple Entente with England in 1907 as England became increasingly worried about German naval strength. This left Germany surrounded	
6 Key Wor	ds for this term - Section A		Surrounded	
volu on t eme	First Aid Nursing Yeomanry (FANY) – A women's voluntary organisation which provided medical services on the frontlines such as driving ambulances and emergency first aid		During the 19 th century both Britain and France conquered huge overseas empires – this gave them access to raw materials for industry and a market for their goods, it also gave them huge amounts of political power across the world Both Britain and France were very happy being the most powerful nations and wanted this to continue. Kaiser Wilhelm wanted to compete with Britain and conquer a German Empire that would challenge Britain's supremacy.	
2 Royal Army Medical Corps (RAMC) – The branch of the army responsible for medical care 3 No-man's land – The area between two opposing trenches during WWI 4 Shrapnel – Fragments of metal from exploded shells 5 Salient - An area of a battlefield that is surrounded by enemy territory on 3 sides 6 Alliances – An agreement countries make to support each other if they are attacked by other countries		e Nationalism	Before 1871 Germany didn't exist. Instead it was a series of separate kingdoms. The most powerful of these was called Prussia. Prussia was an industrialised nation, like Britain, and had a powerful army. In 1871 Prussia fought and defeated France in the Franco Prussian War. After the defeat of France, Germany united. Germany then had a big desire to 'nation build' – to build a national identity rather than separate identities for different kingdoms.	
		Assassination of Franz Ferdinand	The Austria-Hungary government saw the assassination as a direct attack on the country. They believed that the Serbians had helped the Bosnian terrorists in the attack. They made harsh demands on the Serbians which the Serbians rejected. At the same time, Russia began to mobilize their army to help protect Serbia. When Serbia rejected the demands, Austria-Hungary declared war on Serbia. A few days later, Germany declared war on Russia to help its ally Austri Hungary. Then France began to mobilize to help its ally Russia, and Germany followed by declaring war on France. World War I had begun.	
В.	Describe two features of the key battles during WWI	The Blank Cheque	On July 5, 1914, Germany gave Austria a "blank cheque" in handling its punishment of Serbia regarding the assassination of the heir to the Austrian throne.	
<u>Battle</u>	Features B	Describe two features of the trench system during the Western Front E. What health problems were caused by conditions in the trenches?		

<u>Features</u>	В.	Des	cribe two features of the trench system during the Western Front
This battle was aimed at stopping the German army from advancing	1 – Dugout		This was an area where soldiers could be protected from light fire
towards the Belgium coast.	2 – Barb	ed	This would make it more difficult for the enemy to get into the trench
This battle was the first time that the Germans used chlorine gas as a weapon against the British.	3 – Sandbags		These could absorb the shock of the bullets and help the trench maintain its shape
Bloodiest battle in the whole of the war – total of 57,000 men were	4 – Fire	step	This is what soldiers stepped on when they wanted to climb over the top. Between fighting it was often used as a bench or bed
killed during the first day alone. The RAMC were not prepared for the amount of casualties and hospitals and casualty stations	5 - Duckboa	ırds	Wooden boards that were placed on the floor of the trench to provide a flatter and dryer ground for the soldiers to walk over
were overwhelmed.	6 – Elbo	w	This is where soldiers would prop their guns to shoot out of the trench
This British used tunnels to dig	rest		
near to the German trenches and surprise them with the attack. No	7 - Para	oet	This was a way of protecting soldiers as they shout out of the trench

Between fighting it was often used as a bench or bed						
Wooden boards that were placed on the floor of the florion to provide a	rench ıld lea					
6 – Elbow rest This is where soldiers would prop their guns to shoot out of the trench G.						
7 - Parapet This was a way of protecting soldiers as they shout out of the trench						
Why	y is it					
F. How did World War One end?						
the Russian Révolution started. Russia left the war, surrendering to Germany in 1917. 1917 – Following the sinking of US ships, such as the Luscitania, and the potential threat of an alliance between Germany and Mexico leading to an attack on the USA, the USA joined the war on the side of the Triple Entente. 1918 – Entente forces on the Western Front push the German army back to the Hindenberg Line, the last line of German defenses. 1918 – Blockades enforced by the Entente led to lack of resources and food in Germany. Thousands of people in Germany were starving. 1918 – The Germany Navy began to Mutiny 1918 – The Kaiser abdicated. 11th November 1918 – An armistice is signed, formally ending the First World War	ny so world estern in the d Fran ar also onies ch as i ere was stern					

1 Gangrene – a condition where a loss of blood supply causes body tissue to die and usually occurred as a result of an injury. Treated by amputation of the affected area. Gas Gangrene – infection that produces gas in the gangrenous area. Caused by bacteria in the soil on the Western Front which had been heavily farmed using fertiliser.
2 Shellshock – a condition that was not really understood during the war. Caused by the constant noise and shell fire in the trenches, many soldiers experienced nightmares, loss of speech and a complete mental breakdown.
3 Shrapnel wounds – when shells exploded, shrapnel travelled at fast speeds over wide areas, causing injuries to anyone in their way

- ch fever flu-like condition that was spread by lice in the trenches
- ch foot painful swelling of the feet caused by standing in cold mud and water, which ead to gangrene.

G.		
Why is it called a World War?	Why did WW1 End?	Was the Treaty of Versailles harsh on Germany?
Many soldiers from all over the world fought on the Western Front. Many came from the Empires of Britain and France.	Germany was starving because of the British blockade Allies had many new inventions such as tanks.	Germany had inflicted a much harsher treaty on Russia called the Treaty of Brest Litovsk.
War also took place in colonies around the world such as in Africa and Asia. There was also fighting on the Eastern Front in Russia.	Many new allied troops were entering the war from the USA. Germany faced many rebellions as Germany was starving	Germany had to pay £6.3 billion German army was limited to 100 thousand. (previously was ten million. Germany gave up la

Battle of the Somme (1916)	Bloodiest battle in the whole of war – total of 57,000 men were killed during the first day alone. The RAMC were not prepared the amount of casualties and hospitals and casualty stations were overwhelmed.
Battle of	This British used tunnels to dig
Arras	near to the German trenches ar
(1917)	surprise them with the attack. N

1st Battle of Ypres

2nd Battle of Ypres

(1915)

Battle of

Cambrai

(1917)

(1914)

3 rd Battle of Ypres (1917)	During this battle the weather turned to heavy rain. The ground became waterlogged and many men fell into the mud and drowned.

progress was made and there were 160,000 casualties.

This battle saw the first largescale use of tank to break through the enemies barbed wire. Also the first time that there was a blood bank, which meant doctors could deliver a vital medical service to those soldiers who had lost too much blood.

Year 9 Term 1 History Knowledge organiser: Topic = British Sector of the Western Front, 1914-1918: injuries, treatments and trenches. The main battles on the British Sector of the Western Front Militarism during WWI The trench system – structure and features Health problems caused by the conditions in the trenches Alliances How the wounded were evacuated and who treated them E. F. How the war led to improvements in medicine Usefulness of primary sources for historical enquiries Imperialism 6 Key Words for this term - Section A Nationalism Assassination of Franz Ferdinand The Blank Cheque <u>Battle</u> **Features** 1st Battle Describe two features of the trench system during the Western Front of Ypres (1914) 1 – Dugout 2nd Battle 2 - Barbed of Ypres wire (1915) Battle of Sandbags the Somme 4 - Fire step (1916) Battle of Duckboards Arras (1917)6 - Elbow rest 3rd Battle of Ypres 7 - Parapet (1917)Why is it called a World Why did WW1 End? Was the Treaty of Versailles War? harsh on Germany? Battle of Cambrai (1917)

Year 9 Religious Education: Atheism

What we are learning this term:	B.	How has Biblical criticism influenced the rise of atheism ?
The development of Atheism and worldviews	1	Biblical criticism is the study of the Bible using scientific criteria (historical and literary) and human reason to understand and explain the meaning intended by the biblical writers." People question what the Bible means, rather than looking at it as a literal word of God that cannot be interpreted. Therefore, people have been able to challenge the 'truths' that are found in the book.

A.	Can you define these key words?
Key word	Key definition
Dogma	Beliefs or principles laid down by authority as unquestioningly true .
Doctorine	Beliefs and teachings given by a religion. Frequently used to mean Christian teaching as given by an organised Church/ denomination
Epistemology	Epistemology is a branch of philosophy which seeks to answer questions about what we can actually know
Theist	a person who believes in the existence of a god or gods, specifically of a creator who intervenes in the universe.
Atheist	a person who disbelieves or lacks belief in the existence of God or gods because they believe there is proof against the existence of God .
Agnostic	A person who believes that nothing is known about the existence or nature of God; a person who claims neither faith nor disbelief in God because there is not enough proof for either claim.
Salvation	being saved from the sins of Adam and Eve and suffering through access to heaven. Being rescued by God from the consequences of our wrongdoing
Grace	The free and undeserved favour of God, as manifested in the salvation of sinners and the blessings God gives us.
Secular	attitudes, activities, or other things that have no religious or spiritual basis.
Emirical/emp ricist	Knowledge is based on what is seen or experienced rather than theory or pure logic.
Reason	the power of the mind to think, understand and form judgements by a process of logic
Biblical criticism	The use of critical analysis/ context/ knowledge of history to understand and explain meaning in the Bible.
A priori	(an argument/statement which is supposed to be true because it is true by definition eg all bachelors are unmarried males, or God is perfect therefore he exists)
Fundamental st	a person who believes in the strict, literal interpretation of scripture in a religion.

C.	Explain 4 reasons people are atheist or reject religion
1	Problem of evil which is the inconsistent triad. All loving, all knowing, all powerful God + the existence of evil and suffering is illogical.
2	Abrahamic religions are strongly based on miracles. Miracles are not logical therefore the religious stories are not believable.
3	Religious doctrine is sometimes harmful and contrary to current moral values eg the teaching that homosexuality is a sin/ punishable by death
4	The design (teleological) and the 1st cause (cosmological) arguments fail to prove the existence of God since the world could just as possibly be a random existence/coincidence. If we are happy to say God doesn't need a creator, why can't we just say that about the universe?
D	Explain Hume's main arguments

		say that about the universe?
D ·		Explain Hume's main arguments against miracles
1	t li f	f there are millions of bits of evidence to suggest a law of nature, it is not rational to believe one bit of evidence to say the law is wrong. Eg if people can't travel from mecca to Jerusalem by foot or by samel overnight, then why believe the late that Muhammed did?
2	s b	diracles have mainly been proclaimed by scientifically uneducated peoples so why believe their stories when advanced nodern understanding shows the events to be impossible eg walking on water
3	t	Humans are natural believers, love surprise and wonder .He argues that this endency in our nature leads to the 'end of common sense' .

E.	Explain Neitzche's ideas about religion and morality
	God is a psychological fabrication created to soothe distress, ease trauma, and provide companionship in the face of suffering and also to make rule we must stick to in order to be safe. We can however instead of needing religion, set our own moral rules and goals and concentrate on human flourishing without religion.
	Explain how Freud challenges religious truth
	Religion is a psychological projection of our deeply rooted need for a protective authority figure Freud refers to religion as an illusion. Rreligion provides for defence against "the crushingly superior force of nature" and "the urge to rectify the shortcomings of civilization". We don't want to die so follow religion to sooth this fear. People cope with unhappy lives by pretending it is God's plan for them.
	Explain how Feuerbach challenges religious truth
	Explain how Feuerbach challenges religious truth God does not exist. Humans have made up the idea of a 'God'. They have done this in order to give human life a reason to live and strive. It is something for humans to aim towards to give meaning to our lives. We have projected ourselves out into the cosmos and anthropomorphised God- making him in our likeness!! We have given God the perfect qualities that we should aim for, eg forgiving and loving.
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	God does not exist. Humans have made up the idea of a 'God'. They have done this in order to give human life a reason to live and strive. It is something for humans to aim towards to give meaning to our lives. We have projected ourselves out into the cosmos and anthropomorphised God- making him in our likeness!! We have given God the perfect qualities that we should aim for, eg forgiving and loving.

F.	Explain 2 reasons why science is a challenge to religion
1	The theory of evolution shoes that the creatures took million sof year sto evolove to what we see now, therefore there was no created species in one day as recorded in the Abrahamic faiths.
2	The big bang theory says that the universe took billions of years to form to the point it is in today. This means that the genesis story of a 6 day creation is technically not a scientific truth.
	Explain 2 religious responses to the challenge of science
1	Science glorifies god by showing the complexity and awesome nature of creation. For example it has revealed that the human eye is perfectly structured in a way which generates sight. This structure suggests design eg God.
2	The creation stories do not need to be taken as a literal truth, it is the messages which are important. For example, God is all powerful as He created a universe. This means science and religious truths can be true at the same time.
	F. 1 2 1 2 2

Year 9 Religious Education: Atheism

What we are learning this term:	В.	How has Biblical criticism influenced the rise of atheism ?
The development of Atheism and worldviews	1	

A.	Can you define these key words?	C.	Explain 4 reasons people are atheist or reject religion	Ε.	Explain Neitzche's ideas about religion and morality
Key word	Key definition	1			
Dogma					Explain how Freud challenges religious truth
Doctorine		2			Explain now Fredd Chancinges rengious truth
Epistemolo gy		3			Explain how Feuerbach challenges religious truth
Theist		4			
Atheist					Endets have Many abelliance of Patrician In
Agnostic		D	Explain Hume's main arguments		Explain how Marx challenges religious truth
Salvation			against miracles		
Grace		1			
Secular				F.	Explain 2 reasons why science is a challenge to religion
Emirical/er piricist	n			1	
Reason		2		2	
Biblical criticism		3			Explain 2 religious responses to the challenge of science
A priori				1	
Fundamen alist	t	_		2	

SPANISH Year 9 GCSE Term 1 Knowledge Organiser: Topic = Health and Hobbies



What we are learning this term:

- Foods/drinks В. Healthy living
- C. Smoking
- Free time activities
- E. Free time activities x 2
- Key words across topics

6 Key Words for this term

- Almuerzo
- 2. Ceno

el almuerzo

las verduras

- 3. Desavuno
- 4. Peligroso 5. evitar

green vegetables

6. cambiar

Lunch

A. ¿Qué te gusta comer?

el azúcar Sugar barato/a Cheap Steak el bistec la carne Meat Expensive caro/a evening meal la cena Food la comida la comida basura junk food el desayuno **Breakfast** la ensalada Salad la fruta Fruit la galleta **Biscuit** la grasa Fat el helado ice-cream

la leche Milk las legumbres Vegetables Seafood los mariscos el pastel Cake hot doa el perrito caliente picante Spicy el plato Dish el pollo Chicken rico/a Tasty saludable healthy sano/a Healthy la tortilla Omelette la tostada Toast

acostarse Cambiar cansado/a el cuerpo deportista dormir el ejercicio la energía el esfuerzo estar en forma evitar fumar ioven

to go to bed to change Tired Body Sporty to sleep Exercise Energy Effort to be fit to avoid to smoke Young to lead a(healthy)life llevar una vida (sana) mantenerse en forma to keep fit to die morir necesario/a Necessary to relax relajarse la salud health

B ¿Llevas una vida sana?

C. ¿Qué es tu opinion de fumar?

Afectar to affect asqueroso/a disgusting / filthy causar to cause el cigarrillo Cigarette el corazón Heart el daño damage / harm dejar de (fumar) to stop (smoking) la enfermedad illness / disease el / la fumador(a) Smoker el fumar pasivo passive smoking la muerte Death la mujer Woman el olor Smell el peliaro danger

D. 3.1G ¿Qué haces en tu tiempo libre?

Bailar To dance Cantar To sing De vez en cuando From time to time Entretienido Entertaining Estimulante Challenging Leer To read Libre Free (as in free time) Pelicula Film Salir To go out Tarde Late Ver To see

Key Verbs					
Tener To have	Present	Past	<u>Future</u>		
Tengo	Hablo	Hablé	Voy a Hablar		
= I have	I speak	I spoke	I am going to speak		
Tienes	Como	Comí	Voy a comer		
= You have	I eat	I ate	I am going to eat		
Tiene	Voy	Fui/fue	Voy a ir		
= s/he has	I go	I am/it was	I am going to go		
Tenemos	Soy	Fui	Voy a ser		
= We have	I am	I was	I am going to be		
Tienen	Tengo	Tuve	Voy a tener		
= They have	I have	I had	I am going to have		
	To have Tengo = I have Tienes = You have Tiene = s/he has Tenemos = We have Tienen	Tener To have Tengo Hablo I speak Tienes Como I eat Tiene Voy I go = s/he has I go Tenemos Soy = We have I am Tienen Tengo	Tener To have Tengo Hablo I speak I spoke Tienes Como Comí I ate Tiene Voy Fui/fue I am/it was Tenemos Soy Fui E We have I am I was Tiene Tengo Tuve		

E. 3.1F Que te gusta hacer en tu tiempo libre?

bastante quite cada each, every cenar to have an evening meal Charlar to chat to rest descansar cartoons los dibujos animados documentary el documental weekend el fin de semana areat genial news las noticias never nunca occupied, busy ocupado/a police, crime (adj.) policíaco/a to put poner in general por lo general always siempre theatre el teatro soap opera la telenovela to finish terminar time el tiempo all, every todo/a/os/as silly, stupid tonto/a time, occasion la vez

F. Key Words across Topics?

to have = tener to be = ser = ir to go to do = hacer to play =jugar to see = ver to listen=escuchar to buy =comprar to live =vivir to speak= hablar to have to = deber to want to=querer to visit = visitar to eat - =comer to drink = beber to go out = salir to read = leer to work = trabajar to think = pensar to write =escribir

Divertido - fun Aburrido – boring Util – useful Inutil - useless Comodo – comfv Interestanteinteresting Entretenido entertaining Emocionante exciting Guay - cool Genial - great Soso - dull Asqueroso disgusting Malo-bad Bueno - good Arriesgado- risky Educativoeducational Estimulatestimulating Peligrosodangerous

Š:

SPANISH Year 9 GCSE Term 1 Knowledge Organiser: Topic = Health and Hobbies-QUIZABLE



What we are learning th	is term:	B ¿Llevas ur	Key Verbs						
A. Foods/drinks B. Healthy living C. Smoking D. Free time activities E. Free time activities F. Key words across to	(2		to go to bed to change Tired Body Sporty to sleep	Ser To be = I am	Tener To have = I have	Present I speak	Past I spoke	Future I am going	g to speak
6 Key Words for this te	rm		Exercise Energy	= You are	= You have	l eat	I ate	I am going	g to eat
 Almuerzo Ceno Desayuno 	4. Peligroso 5. evitar 6. cambiar	estar en forma	Effort to avoid to smoke Young	= s/he is = We are	= s/he has = We have	I go	I am/it was	I am going	
A. ¿Qué te g	usta comer?	llevar una vida (sana) mantenerse en forma		= They	Tienen				5 00 00
el almuerzo			to die Necessary	are	= They have	I have	I had	I am going	g to have
el azúcar ———	 Cheap		to relax health	E. 3.1F Que	te gusta hacer e libre?	n tu tiempo	F. Ke	∌y Words a	cross Topics?
el bistec la comida basura la grasa las legumbres el plato	Meat Expensive evening meal Food Breakfast Salad Fruit Biscuit ice-cream Milk Seafood Cake hot dog Spicy Chicken Tasty healthy Healthy Omelette Toast green vegetables	C. ¿Qué es tu op Afectar ————————————————————————————————————	disgusting / filthy to cause Cigarette to stop (smoking) Smoker Death Woman danger	cada las noticias policíaco/a por lo general el teatro la telenovela terminar el tiempo la vez	quite to have a to chat to cartoons documer weekend great never occupied to put always all, every silly, stup	ntary	to have = to be = to go = to do = to play = to listen= to live = to live = to have to = to want to=_ to visit = to go out = to work = to think = to write =		Divertido —







G. Translation Practice		l
I like going shopping	mgidc	l
I love to go out with friends	mesca	l
I like quite watching TV	mgbvlt	l
I don't like playing the guitar	nmgtlge	l
in my free time	m t l	l
I don't like going shopping	nmgidc	İ
He likes playing the piano	lgtep	l
She likes going out with her friends	lgscsa	
He likes watching TV in his free time	lgvltest I	
From time to time I read a book in the evening	dveclul plt	
Always I play the guitar with my group	stlgcmg	
Sometimes I go shopping in my free time	avvdcem tl	l
Each week he likes to watch TV in the evening	cslgvltp lt	
Usually she watches TV one time per week	amvltuv els	
Sometimes she plays football in the evening	avjafpl t	
Often they play basketball in the free time	amjabel tl	
Usually we listen to music every day	amemtl d	
I hope to visit my grandma's house	evlcdma	
I'm going to cook chicken and chips	vacpcpf	
I have to cook every day	tqctld	
I'm thinking of watching TV tonight	pvlthplt	
For breakfast, I drink milk and eat a sandwich	ped, blyc ub	
For desert, they eat cake	рер,ср	١
For breakfast, I take salad and chicken	ped, tey p	
For lunch, she takes a Spanish tortilla	pea, tute	

H . Key Questions: Answer the following in your own words. Use these model answers				
¿Qué te gusta comer/beber? What do you like to eat/drink	Me gusta comer la comida sana. Normalmente desayuno cereales con leche y tostadas con mantequilla y mermelada y bebo zumo de naranja. Para mi almuerzo como un bocadillo con jamón o con queso y para la cena tomo patatas o verduras con carne. Me gusta comer los cereales porque son sabrosos pero no me gusta comer la carne es grasienta y quiero ser vegetariano			
¿Eres Sano? About your family	Si, pienso que soy sano porque no fumo y no tomo drogas. También no como nunca caramelos pero como demasiado chocolate. Tengo que comer más fruta y beber menos coca cola			
¿Qué es tu opinión de fumar? What is your opinion on smoking	Odio fumar. Mi madre no fuma pero mi padre fuma y pienso que es asqueroso. No fumo porque huele mal y te da mal aliento. También causa cáncer que es muy peligroso.			
¿Qué te gusta hacer en tu tiempo libre y por qué? What do you like doing in your free time	Normalmente juego al futbol todos los días después del colegio. Lo que me encanta es jugar al futbol con mis amigos porque es bueno para la salud y es emocionante y relajante jugar contra tus amigos. De vez en cuando juego con videojuegos pero ayer hice ciclismo, hice mis deberes y toque mi guitarra.			

I. Key Questions: Try to translate the model answers using words from the KO			
¿Qué te gusta comer/beber? What do you like to eat/drink	For breakfast I like to eat toast but I never eat cereals because they aren't tasty. For lunch I eat a sandwich with ham or cheese or I eat pizza with ham or sausage. For my main meal normally I eat chips with meat or fish or vegetables with potatoes		
¿Eres Sano? About your family	I think I'm healthy because I don't smoke and I like to eat lots of fruit. I like to eat vegetables but I have to eat more vegetables and I have to eat less sweets		
¿Qué es tu opinión de fumar? What is your opinion on smoking	I do not like smoking because I think that it is stupid. My brother smokes and it smells bad. Also, it causes cancer and is really dangerous		
¿Qué te gusta hacer en tu tiempo libre y por qué? What do you like doing in your free time	Normally in my free time I like to play football. I play football after school every day and from time to time I play rugby. I don't like to dance because it's boring and I love to play computer games because they are exciting		

J. Key Grammar			
Make sure adjectives agree eg blanco/blanca/blancos/blancas	Mi casa es blanca = My house is white Mi perro es blanco = My dog is white		
Using verbs correctly in the present tense	Hablar hablo, hablas, hablamos, habláis, hablan Como, comes, come, comemos, coméis, comen		
Comparatives More /less Better/worse The best/the worst	Más/menos que – more/less than Mejor/peor que – better/worse tan Lo mejor/lo peor = the best/the worst		

Year 9 Art Term 1 : Topic = Distorted Portraits

Describe what is happening in each stage of the making?

What are the similarities and differences between MERVE ÖZASLAN and Magritte? List 3 of each.

Similarities:

В.

- Surreal appearance
- Use of juxtaposition
- Sinister atmosphere created

- Use of everyday objects
- Painting vs photomontage Contrast colour scheme (black and white vs
- colour) List 3 words to describe the Surrealism style
- 1.) Strange, uncanny, abnormal
- 2.) Juxtaposition, contrast
- 3.) dream-like, unconscious

of artwork?





What is the definition for photomontage?

Photomontage is the process and the result of making a composite photograph by cutting, gluing, rearranging and overlapping two or more photographs into a new image. Sometimes the resulting composite image is photographed so that the final image may appear as a seamless physical print.

E. Write a step-by-step guide to a successful observational drawing

- Identify horizon line
- Draw outline of objects
- Identify where the light source is
- Add highlight, shadows and mid-tones
- Add in any extra details (pattern, lines and texture)



- A. Line Drawing
- B. Introduction into Surrealism
- Rene Magritte
- Photomontage
- Observational drawing
- F. Key Words

A.



What are 3 rules for successful continuous line

1. Using a sharp pencil

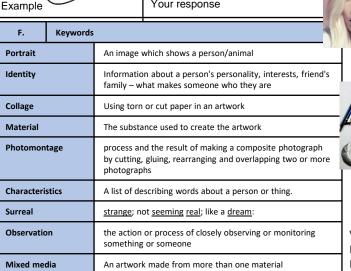
drawing?

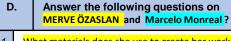
- 2. Keeping your pencil on the page and not taking it off
- 3. Lighter areas have fewer pencil lines and darker areas have far more pencil lines.

Using continuous line drawing, recreate the face below.



Your response





- What materials does she use to create her work? Photographs/images craft knife and matt
- What subject matter does she use? Portraits and landscapes
- What messages could she be portraying in her work? Human effect on nature **Urbanization** Detachment with nature
- How does he create his work? Collage, cutting and sticking images/photographs
- What is his subject matter? Celebrity portraits and flowers
- What messages might he be presenting in his work? People are made of flowers Beauty within people
- What are the techniques both artist use? Photomontage and collage

What is the difference between lines?

Vertical Horizontal Diagonal





Year 9 Art Term 1 : Topic = Distorted Portraits

What we are learning this term:

- A. Line Drawing
- B. Introduction into Surrealism
- C. Rene Magritte
- D. Photomontage
- E. Observational drawing
- F. Key Words

A.

Surreal

Observation

Mixed media



What are 3 rules for successful continuous line drawing?

- 1. Using a sharp pencil
- 2. Keeping your pencil on the page and not taking it off
- 3. Lighter areas have fewer pencil lines and darker areas have far more pencil lines.

Using continuous line drawing, recreate the face below.



Your response



Describe what is happening in each stage of the making?



D.

В.



What subject matter does she use?

How does he create his work?

What is his subject matter?

Answer the following questions on MERVE ÖZASLAN and Marcelo Monreal?

What materials does she use to create her work?

What messages could she be portraying in her work?

What messages might he be presenting in his work?



Differences:

What are the similarities and differences between MERVE ÖZASLAN and Magritte? List 3 of each.



- 1.)
- 2.)
- 3.)

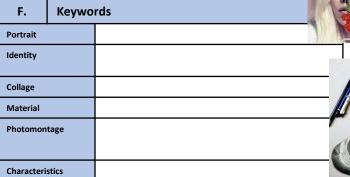




D. What is the definition for photomontage?

E. Write a step-by-step guide to a successful observational drawing

Tour response



What is the difference between lines?

Vertical

Horizontal

Diagonal



What are the techniques both artist use?





Α	What we are learning about this term
1	History of samba and carnival
2	Polyrhythms, grooves and breaks
3	Call and response/improvising



В	Keywords
PULSE	The steady beat
RHYTHM	A combination of long and short sounds and silence
POLYRHYTHM	Two or more rhythms played at the same time
SAMBISTA	The leader of the ensemble, gives musical cues to the performers using the APITO (Samba Whistle)
CALL AND RESPONSE	Where a pattern is played by the leader, and then repeated or responded to by the rest of the performers.
SYNCOPATION	accenting or emphasising the weaker beats of the bar
OSTINATO	Songs and tunes passed down by EAR, not by writing them down
MONOPHONIC / POLYPHONIC	One single rhythm or melody line / Lots of rhythms layered to create a thick texture
IMPROVISATION	Music made up on the spot, without preparation

C Samba Rhythms



D Analysing Samba Music from Brazil

Listen to Raio De Sol... do you notice how the texture begins monophonic (one single rhythm) using call and response?

Samba music is also designed for performance at large festivals with singers, dancers and processions, called carnivals, so the music is usually forte/fortissimo (very loud).

The interesting patterns that are created by layering lots of different rhythms (ostinatos) are called cross-rhythms and are played at a fast tempo for the dancing and marching along the streets in the carnival!

Listen here ->

FORM AND STRUCTURE of a piece of Samba may look like the following:

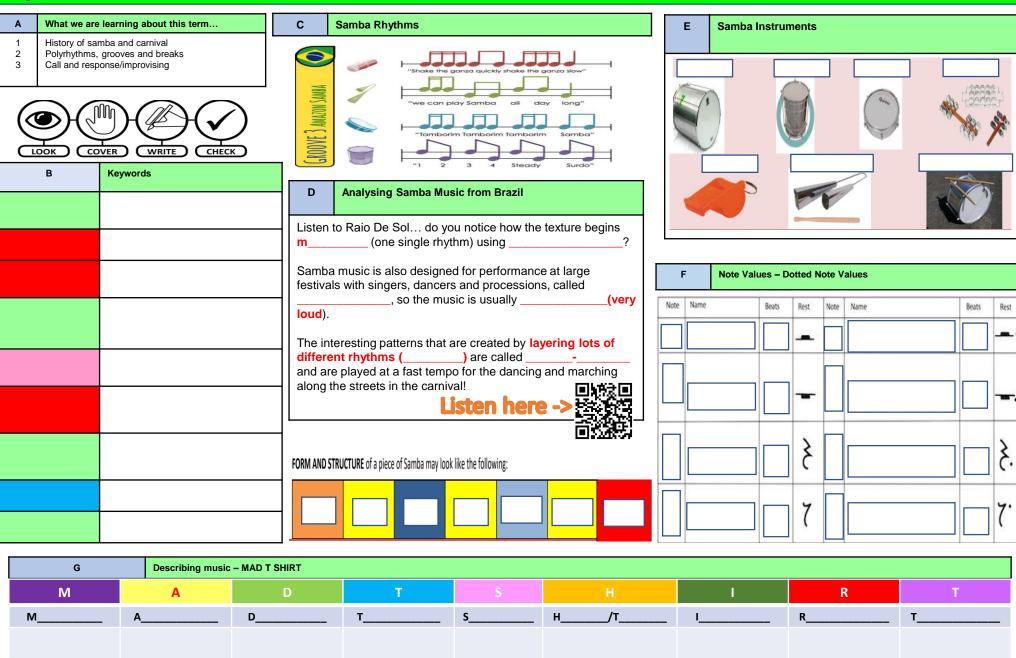




Note	Name	Beats	Rest	Note	Name	Beats	Rest
0	Semibreve, Whole Note	4 beats	_	0.	Dotted Semibreve, Dotted Whole Note	6 beats	_
d	Minim, Half Note	2 beats	-	d.	Dotted Minim, Dotted Half Note	3 beats	-
J	Crotchet, Quarter Note	1 beat	ş	J.	Dotted Crotchet, Dotted Quarter Note	1% beats	ş
1	Quaver, Eighth Note	1/2 beat	7		Dotted Quaver, Dotted Eighth Note	3/4 beat	7

G	Describing music	Describing music – MAD T SHIRT							
M	Α	D	Т	S	Н	ı	R	Т	
Melody	Articulation	Dynamics	Texture	Structure	Harmony/Tonality	Instruments	Rhythm	Tempo	
The tune	How notes are played	Loud/quiet and any other volume changes	Layers of sound / how they fit together	The sections and organising	Chords used / the mood	Types of instruments heard	Pattern of notes	The speed	

Year 9: World Cultures 2: Samba





Year 9 PRODUCT DESIGN Rotation Knowledge Organiser



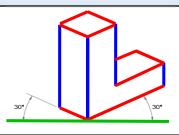
What we are learning this term:

- A. Drawing Skills
- B. Materials
- C. Wooden Joints & Their Uses
- D. Tools & Machinery

A. Drawing Skills

Isometric Technical Drawing

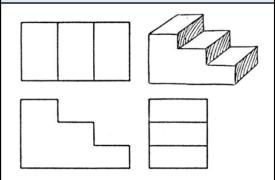
Made up of a series of par parallel **vertical lines** and parallel **30-degree lines**. But no **horizontal lines**.



Used to show a 3D (3-dimensional) perspective of a object or product.

Orthographic Projection

This shows 2D views of a 3D object from different angles – front, plan and end.



Commonly used in industry to help the manufacturer understand the design.



Timbers come from trees



Scots pine – which you used for your frame – is a softwood

Softwood trees have needle like leaves and are more sustainable

Dowels are a common component in joinery



Dowels – which you used in your dowel joint – is a **hardwood**

Hardwood trees have broad like leaves and loose their leaves in winter

Polymers come from crude oil



Acrylic – which you used for your stand – is a **polymer**

Acrylic is a thermoforming polymer which means it can reheated and reshaped again and again

	C.	Wo	ooden Joints & Their U	Jses
	Joint		Uses	Image
	Mitre Joint		 Picture Frames. Joining Moldings Window or Door Frames Trim and Skirtings 	
	Dowel Joint		 Make joints stronger. Axles on toys. Frames Shelves Table or Chair Leg Attachments 	By K. Cooper 2006
	Mortise and Tenon Joint)	TablesChairsDoorBedsWindowsCabinetsPanelling	
	Cross Halving Joint)	Picture framesDrawersCabinetsStructural Framing	
_				





Year 9 PRODUCT DESIGN Rotation Knowledge Organiser



What we are learning this term:

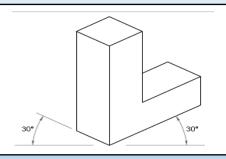
- A. Drawing Skills
- B. Materials
- C. Wooden Joints & Their Uses
- D. Tools & Machinery

Drawing Skills Technical Drawing

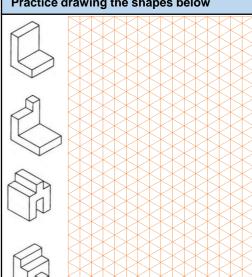
В.

Materials

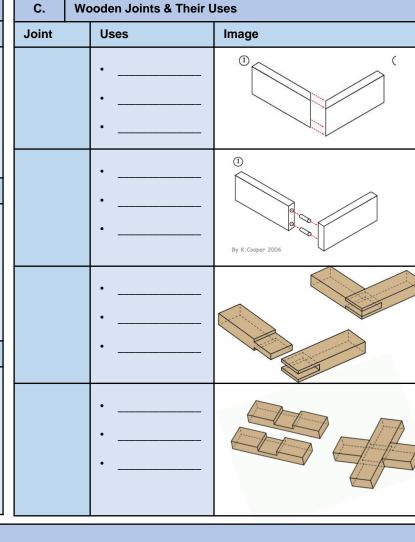
This is used for _



Practice drawing the shapes below



Timbers come from					
	Scots pine – which you used for your frame – is a Softwood trees have and are more sustainable				
are a common component in joinery					
	Dowels – which you used in your dowel joint – is a Hardwood trees have and loose their leaves in winter				
Polymers come from	Polymers come from				
	Acrylic – which you used for your stand – is a ——————————————————————————————————				





polymer

which means it can be



Year 9 COMPUTER SCIENCE Term 1 – Digital Literacy



А	Pa	asswords and Shortcuts
A feature o	of a s	strong password has
1		
2		
3		
4		
5		
6		
7		
8		
9		
What do th	e fo	llowing shortcuts do?
Ctrl-C		
Ctrl-V		
Ctrl-X		
Ctrl-Z		
Ctrl-A		
Ctrl-S		
F2		
Ctlr-Shift-l	N	
Ctrl-P		
Ctrl-B		
Ctrl-U		

What is the cell reference for the following A B 1 2 3 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			
A B C 1	B Excel	Cell Refere	nces
A B C 1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	What is the cell re	eference for th	e following
A B C 1 2 3 4 4 5 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 2 3 4	В	
A B C 1 2 3 4	1 2 3 4	C	
1 2 3 4	1 2 3	С	
•	1 2 3 4	С	

С	Excel F	Excel Formulae						
What is t	he Excel	formula for						
	Α	В	С	_				
1	2.3	5.7	1.1		Adding cells B1 and C2			
2	4.01	6.3	8.73					
3	-5	0.004	12.7					
					Subtracting cell A1 from cell A3			
	Finding the mean of cells: A1, A2, A3, B1, B2 and B3				Multiplying cells B3 and C1			
Finding the maximum of cells: A1, A2, A3, B1, B2, B3, C1, C2 and C3				Dividing cell A2 by cell B2				
	Finding the product of cells: A1, A2, A3, C1, C2 and C3				Raising A1 to the power of 7			

D	Excel Absolute Cell References		
	are absolute cell ences used?		
	t is the absolute reference for the wing		
1 2 3 4	A B C		
	do you duplicate kisting sheet?		
28 29 30	Sheet1 +		
	do you reference l in a different t		

E	Excel Tools
What do	the following buttons in Excel do?
€	
В	
<u>♦</u> •	
<u></u>	
*	
ab C	



Year 9 COMPUTER SCIENCE Term 1 – Digital Literacy



Α	A Passwords and Shortcuts			
A feature of a strong password has				
1	10 to 15 characters			
2	Special characters			
3	Upper- and lower-case letters			
4	Numbers			
5	NO patterns or sequences			
6	Only been used for one website/account			
7	NO obvious letter substitutions (for example, 'E' replaced by 3)			
8	NO personal information			
9	To be memorable			
What do th	he following shortcuts do?			
Ctrl-C	Сору			
Ctrl-V	Paste			
Ctrl-X	Cut			
Ctrl-Z	Undo			
Ctrl-A	Select all			
Ctrl-S	Save			
F2	Rename (file/folder)			
Ctlr-Shift-N	- Create a new folder			
Ctrl-P	Print			
Ctrl-B	Bold text			
Ctrl-U	Underline text			

В	Excel Cell References				
Whatis	the cell reference for th	e following			
1 2 3 4	A B	B2			
1 2 3 4 5	A B C	A3:C3			
1 2 3 4	A B C	A2,A4,C1			
1 2 3 4 5	ВС	A1:B4			

С	Exc	Excel Formulae			
Wha		cel formula for			
1	A 2.	В 3 5.7	C 1.1	\neg	Adding cells B1 and C2
2	4.0	1 6.3	8.73		=B1+C2
3	-	5 0.004	12.7		
					Subtracting cell A1 from cell A3 =A3-A1
B2 a	Finding the mean of cells: A1, A2, A3, B1, B2 and B3 =AVERAGE(A1:B3)			,	Multiplying cells B3 and C1 =B3*C1
Finding the maximum of cells: A1, A2, A3, B1, B2, B3, C1, C2 and C3 =MAX(A1:C3)			s: A1, A2, A3	3,	Dividing cell A2 by cell B2 =A2*B2
Finding the product of cells: A1, A2, A3, C1, C2 and C3 =PRODUCT(A1:A3,C1:C3)			A1, A2, A3,		Raising A1 to the power of 7 =A1^7

D Excel Absolute Ce	Excel Absolute Cell References		
Why are absolute cell references used?	To stop a cell reference from being modified automatically		
What is the absolute cell reference for the following A B C 1 2 3 4	\$A\$3		
How do you duplicate an existing sheet?	1. Right click the sheet we want to copy. 2. Select 'move or copy'. 3. Select 'create a copy'. 4. Choose where you want the copy to be placed. 5. Press 'OK'.		
How do you reference a cell in a different sheet	=Sheet Name!Cell Reference For example, cell H3 in Sheet5 Would be referenced as =Sheet5!H3		

F	Excel Tools				
	Excel 100IS				
What do	What do the following buttons in Excel do?				
(Accounting Number Format (format the cell in a currency, £, \$, and so on)				
В	Bold (make text bold)				
<u>⟨</u>	Fill Colour (change the colour of selected cells)				
# *	Borders (put an outline around selected cells)				
*	Merge & Center (combine multiple cells into one)				
ab c	Wrap Text (make the selected text fit in one cell)				



Year 9: Lit in Colour - Performing a Script



What we are learning this term:

- A. How to develop our vocal techniques.
- B. How to develop our physical techniques.
- C. How to interpret the director's creative intention for a group piece.
- D. How to reflect, analyse and evaluate our development.





Noughts and Crosses by Mallorie Blackman	Cape by Inua Allams,	Gone Too Far by ola Agbaje
A stage adaptation of Malorie Blackman's best selling novel, the world of the Crosses and the noughts is reminiscent of Shakespeare's Romeo and Juliet. It's a modern-day tale of star-crossed lovers, race and violence. Noughts and Crosses is about a segregated society teetering on a volatile knife edge. As violence breaks out, Sephy and Callum draw closer, but this is a romance that will lead them into terrible danger.	Someone mugged Bruce's mum and he is not having it. The shock is still visible in her trembling fingers, rippling out across the calm waters of their lives. He grabs his hoodie, his uniform, his cape and goes out to find the culprit. Smithy wants everyone to stay inside, Uhuru wants everyone out. Tanya thinks it's boyish fun and games until, very suddenly, it isn't.	Nigeria, England, America, Jamaica; are you proud of where you're from? Dark skinned, light skinned, afro, weaves, who are your true brothers and sisters? When two brothers from different continents go down the street to buy a pint of milk, they lift the lid on a disunited nation where everyone wants to be an individual but no one wants to stand out from the crowd.

KET WORDS		
articulation	the clarity or distinction of speech	
aside	Lines spoken by an performer to the audience and not supposed to be overheard by other characters on-stage.	
business a piece of unscripted or improvised action, often comic in intention, used to establish a character, fill a pause in dialogue, to establish a scene. An author may simply suggest 'business' to the need for some action at that point in the play.		
characterisatio n	how a performer uses body, voice, and thought to develop and portray a character.	
dialogue	spoken conversation used by two or more characters to express thoughts, feelings, and actions.	
focus	in acting, the act of concentrating or staying in character.	
gesture	any movement of the performer's head, shoulder, arm, hand, leg, or foot to convey meaning.	
imaging	a technique which allows performers to slow down and focus individually on an issue. The performers, sitting quietly with eyes closed, allow pictures to form in their minds. These images may be motivated by bits of narration, music, sounds, smells, etc.	
improvisation	the spontaneous use of movement and speech to create a character or object in a particular situation; acting done without a script.	
inflection	change in pitch or loudness of the voice.	
Interaction	the action or relationship among two or more characters	
in drama, the particular manner of verbal expression, the diction or style of writing, or the speech or phrasing that suggests a class or profession or type of character.		
mannerism a peculiarity of speech or behaviour.		
mime	acting without words.	
mirroring	copying the movement and/or expression or look of someone else exactly.	
monologue	a long speech made by one performer; a monologue may be delivered alone or in the presence of others.	
motivation the reason or reasons for a character's behaviour; an incentive inducement for further action for a character.		
movement	stage blocking or the movements of the performers onstage during performance; also refers to the action of the play as it moves from event to event.	
pace	rate of movement or speed of action	
performance elements	include acting (e.g., character motivation and analysis, empathy), speaking (breath control, vocal expression and inflection, projection, speaking style, diction), and nonverbal expression (gestures, body alignment, facial expression, character blocking, movement).	
pitch	the particular level of a voice, instrument or tune.	
	The second secon	

	Tongue Twisters		
Peter Piper		Peter Piper picked a peck of pickled peppers A peck of pickled peppers Peter Piper picked If Peter Piper picked a peck of pickled peppers Where's the peck of pickled peppers Peter Piper picked?	
Betty Botter		Betty Botter bought some butter But she said the butter's bitter If I put it in my batter, it will make my batter bitter But a bit of better butter will make my batter better So 'twas better Betty Botter bought a bit of better butter	



	Themes and Issues Explored
Diversity	Being composed of differing elements and variety. The inclusion of people of different races, cultures, etc. in a group or organization.
Racism	Behaviour or attitudes that reflect and foster this belief : racial discrimination or prejudice.
Relationshi ps	Connecting or binding people in either a family, friendship or work collaboration.
Responsibil ity	Moral, legal or mental accountability.
Society	A community, nation, or broad grouping of people having common traditions, institutions, and collective activities and interests

Script Work- Key focus

You will explore the different techniques needed to explore how to perform a character.

Through a series of workshops and rehearsals you will explore the different Stanislavski techniques used to perform a naturalistic scene. You will explore different physical and vocal exercises needed to perform a character. You will learn what it takes for an actor to memorise the words and movements of a character in a scene and then will perform your chosen scene to an audience in the final week.



KEY WORDS

Year 9: Lit in Colour - Performing a Script



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- B. How to develop our physical techniques.
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Noughts and Crosses by M B	Cape by I A	Gone Too Far by O A
A stage adaptation of M	Someone mugged Bruce's mum and he is not having it. The shock is still visible in her trembling fingers, rippling out across the calm waters of their lives. He grabs his hoodie, his uniform, his cape and goes out to find the culprit. Smithy wants everyone to stay inside, Uhuru wants everyone out. Tanya thinks it's boyish fun and games until, very suddenly, it isn't.	Nigeria, England, America, Jamaica; are you proud of where you're from? Dark skinned, light skinned, afro, weaves, who are your true brothers and sisters? When two brothers from different continents go down the street to buy a pint of milk, they lift the lid on a disunited nation where everyone wants to be an individual but no one wants to stand out from the crowd.

KEY WORDS	
articulation	
aside	
business	
characterisatio n	
dialogue	
focus	
gesture	
imaging	
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inflection	
Interaction	
language	
mannerism	
mime	
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pace	
performance elements	
pitch	

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Themes and Issues Explored	
Being composed of differing elements and variety. The inclusion of people of different races, cultures, etc. in a group or organization.	
Behaviour or attitudes that reflect and foster this belief: racial discrimination or prejudice.	
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Moral, legal or mental accountability.	
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#AIMHIGH CHALLENGE TASKS Y9







<u>Subject</u>	Reading	<u>Watching</u>	Other Opportunities
English	Read: https://www.bl.uk/romantics-and- victorians/articles/charlotte-bronte-the- familiar-and-the-fantastical	Watch: https://www.youtube.com/watch?v=Mv0snnk0 kio	https://www.bronte.org.uk/
Maths	Read: Identifying features of a quadratic function – BBC Bitesize Worked examples - Identifying features of a quadratic function - National 5 Maths Revision - BBC Bitesize	Watch: Beautiful Trigonometry – Numberphile YouTube Beautiful Trigonometry - Numberphile - Bing video	Using your knowledge of patterns and sequences can you solve this famous ancient maths puzzle? Tower of Hanoi Tower Of Hanoi (transum.org)
Science	Read: Difference Between Endothermic and Exothermic Reactions https://byjus.com/chemistry/endothermic-exothermic-reactions-difference/	Watch: Hydrogen peroxide catalyst video- watch it expand! https://www.youtube.com/watch?v=3Tn- 7JcZJuQ	Dissolving laundry detergent in water is an exothermic reaction. Simply dissolve powdered laundry detergent in your hand with a small amount of water. Feel the heat? WASH YOUR HANDS
Geography	Read Climate Change: Stopping Climate Change	Watch: BBC iPlayer - Climate Change - The Facts	Count how many days the weather in the UK reaches above 20 degrees. Compare this with previous years using Historic station data - Met Office to see how things have changed.
History	Read Wounded –by Emily Mayhew	Watch: World War One (ALL PARTS) (2021 Re-edit) - YouTube	Visit: The Blunsdon and Cricket Railway Village. SN25 2DA
Spanish	Read: the Spanish and English whilst watching this video of a tour of Barcelona: https://www.youtube.com/watch?v=I7bHX9 Wkr0E	Watch: this video about what Spanish people eat in their day to day lives: https://www.youtube.com/watch?v=n7Ma6Vu7COs	Check out how many Spanish destinations EasyJet Fly to. Find out a little bit about each destination: https://www.easyjet.com/en
Art	Read: How to develop your ideas in preparation for GCSE https://www.bbc.co.uk/bitesize/guides/zc7m ng8/revision/1	Watch: How to use a sketchbook to develop your ideas https://www.youtube.com/watch?v=Kha7-GPgWok	Try visiting an art gallery to see how an artist has created artwork in real life. The Tate website is an amazing tool to find 100's of established artists https://www.tate.org.uk/art

SWINDON ACADEMY READING CANON Year 7 Year 9 Year 10 Year 8 The Curious Incident of the Dog in the Night-Time The Diary of a Young Girl The Black Flamingo The Giver To Kill a Mockingbird and the Green Knight #ReadingisPower