100% book - Year 9 Booster

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											
111	**	sr 7 Term I Scier	IDE/Chemistry : Topic TCP Particle								
1000000000	are bearing this term:		te the properties of the three of matter	A. What is diffusion?							
C. Moto	phy files	solid	liquid gas	The movement of particles from a togher concentration to a lower concentration							
	rda for this term			B. What happens to the temperature of a substance when it changes							
1 Made 2 Perts	le 7 Eveneration	theid diage	C rest right C not right	During the change of state, the temperature							
3 Diff.d 4 Math	g 9 Solvers	• faid vices	Red state Red state	will stay the same until the change of state is complete							
		A. What is	the law of conservation of mass?	1 1.8							
	ut is particle theory? In Pat all mater is made up of particles.		nservation of Mass states that mass red or destroyed	1							
Α.	Describe the arrangement and movement of particles in the three states of motion	8	What are the different changes of state?	1 - 31							
Solid	In a regular patient. Particles can	Award	change of state from cold to legal								
Lipset	Vitratic in a feed position. Particles are ananged randomly but	Frenne	Drange of states from liquid to solid	C. What is the difference between a pure and an impure substance?							
	are still touching each other. Particles can slide past each other and move arount	Experation	Durps of risks from liquid to per-	Pure Impure							
Gas	Particles are for apart and an amerged randomly. Particles carry a lot of energy and fixey move in all directions in a high saved.	Condensation	Change of state from gac to liquid	A material that is made up of only one type of particle.							
		1000	Gaining energy								

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

Α.	Describe the arrangement and movement of particles in the three	В.	What are the different changes of state?
	states of matter.	Melting	
Solid			
Liquid		Freezing	
Liquid		-	
		Evaporation	
Gas		Condensation	
	-		/~

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

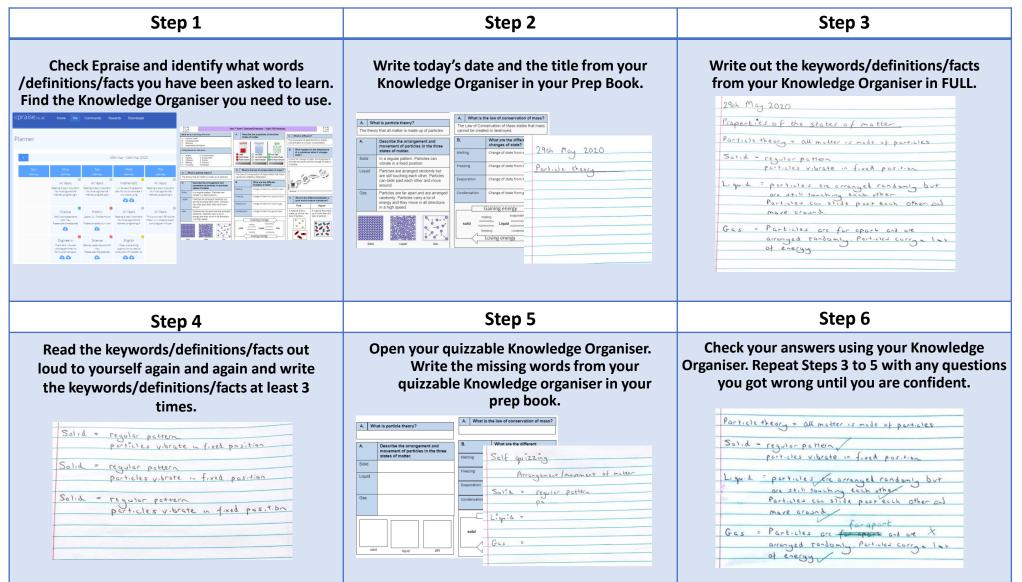
Use them to test yourself or get someone else to test you, until you are confident you can recall the information from memory.

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

Expectations for Prep and for using your Knowledge Organisers

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

How do I complete Knowledge Organiser Prep?



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



Year 9 Term 1 English Knowledge Organiser: Jane Eyre



Cha	oter breakdown of Jane Eyre	Locations in the first 10 chapters	Vocabulary: Key words		
	On a bitter day, Jane is curled up with a book when her cousin,	Gateshead Hall	protagonist – the main character		
1	John Reed, discovers her and hits her. She fights back and is sent to the red-room.	Home of Mrs Reed, John, Georgiana, and Eliza Reed. Jane grows up here. Jane is locked in the red-room.	dependent – someone who relies on another person to support them financially. Jane is a dependent because she relies on Mrs Reed		
	Jane is locked in the red-room. She sits in turmoil until she	Lowood School	to feed, clothe and house her.		
2	hears and sees something odd. She begs to be let out. She faints.	Jane is sent to Lowood by Mrs Reed. Mr Brocklehurst is the headteacher. Conditions are harsh and strict. The girls receive brutal punishments and are fed poorly. A typhus	oppress (vb.) – to treat a group of people in an unfair way, often by limiting their freedom.		
	Jane wakes up in the nursery. Bessie and Mr Lloyd are there.	outbreak kills many of the girls.	solitude – state or situation of being alone		
3	Jane is miserable. Mr Lloyd talks to Jane about going to school.	Terminology: Key words	sombre – serious or sad		
4	Jane is visited by Mr Brocklehurst, the headteacher at Lowood School. After his visit, Jane and Mrs Reed argue. Jane says she	thesis – the main idea that you want to discuss throughout an essay.	conventional – normal or accepted way		
-	will never call her 'aunt' again.	juxtaposition – a literary technique where a writer places	obedience – submission to another's authority		
	Jane travels to Lowood School. She meets Miss Temple, the	very different things or people close to each other. This helps to show how the things are similar or different.	ominous – something bad that is going to happen		
5	kind teacher, and Helen Burns, another pupil.	helps to show how the things are similar of different.	clandestine – something that is done in secret		
	Helen is thrashed for having dirty hands. Later, she talks with	Characters in Jane Eyre Jane Eyre The main character. A young, intelligent, and	humiliate (vb.) – to make someone feel stupid or ashamed. If something makes you feel stupid or ashamed, you could describe i as humiliating.		
6	Jane and explains that it is better to forgive and be patient than to get angry and seek revenge.	passionate orphan. "You think I have no feelings, and that I can do without one bit of love or kindness; but I cannot live	hypocrite – someone who says one thing but does the opposite at another time.		
-	Mr Brocklehurst visits Lowood School. He calls Jane to the	so" Mrs Reed – Jane's aunt She neglects and abuses Jane and	comeuppance – when a villain receives some form of punishment for what they did.		
7	front of the classroom and calls her a liar in front of all the teachers and pupils. Helen smiles at Jane, bringing Jane hope.	is glad to send her away to Lowood School. "Guard against her worst fault, a tendency to deceit"	Victorian attitudes to childhood		
		Mr Brocklehurst – The governor of Lowood school A cruel	A child is a blank slate and can be trained to develop into a rational being.		
8	Afterwards, Jane and Helen visit Miss Temple. Miss Temple says she believes that Jane is not a liar. Jane listens to Miss Temple and Helen's fascinating conversations. Miss Temple	and hypocritical Christian. He believes in driving evil from children through harsh discipline. "Punish her body to save her soul"	2 A child is born completely innocent and pure . They are only contaminated by contact with corrupt forces.		
	hears from Mr Lloyd that Jane is not a liar, and tells the school.	Helen Burns – Jane's friend A kind and forgiving Christian.	3 The child is born evil and must therefore be controlled and punished in order to submit to the rules of God and society.		
9	Jane enjoys the area around Lowood in the spring. Typhus breaks out at Lowood School. Lots of girls get sick. Many die.	She inspires Jane to be more patient and accepting. She dies of tuberculosis at 14. "Love your enemies; bless them			
5	Helen Burns dies of tuberculosis.	that curse you; do good to them that hate you and	Biographical information		
		despitefully use you."	1 'Jane Eyre' written in 1847 by Charlotte Brontë.		
10	Eight years pass. Jane has become a teacher at Lowood School. Mr Brocklehurst had his power removed when his	Miss Temple The kind and understanding teacher at Lowood. Offers care and affection to Jane and Helen. "You	 Parts of 'Jane Eyre' were influenced by Brontë's experiences at school and as a young woman. 		
10	treatment at the school was discovered. Jane applies to be a governess for a family at Milcote.	shall be publicly cleared from every imputation: to me, Jane, you are clear now."	³ 'Jane Eyre' was unusual when it was published because it is written in the first-person from a female perspective.		



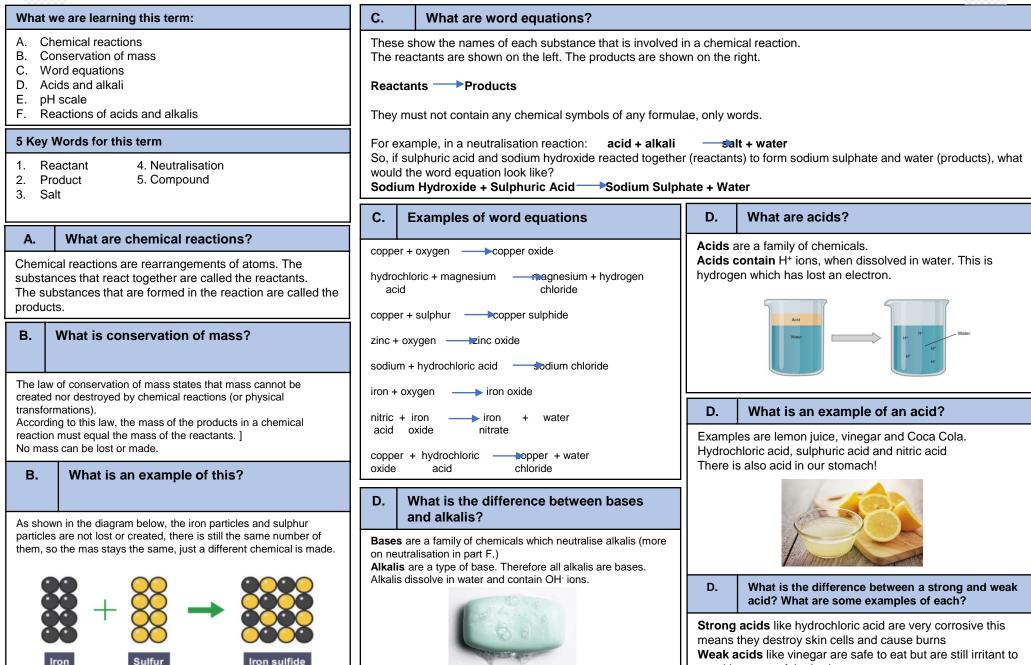
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2	Jane is locked in the She sits in turmoil until she hears and sees something odd. She begs to be let out. She	Lowood School Jane is sent to by Mrs Mris the headteacher. Conditions are	oppress (vb.) —
3	Jane wakes up in the nursery and Mr are there. Jane is Mr Lloyd talks to Jane about going to	and The girls receive brutal and are fed A typhus outbreak kills many of the girls.	solitude – sombre –
4	Jane is visited by Mr, the headteacher atSchool. After his visit, Jane and Mrs Reed Jane says she will never call her ''	Terminology: Key words thesis –	conventional – obedience –
	again. Jane travels toSchool. She meets Miss, the	juxtaposition –	ominous – clandestine –
5	kind, and Helen, another pupil.	Characters in Jane Eyre	humiliate (vb.) –
6	Helen is for having dirty hands. Later, she talks with Jane and explains that it is better to and be than to get angry and seek	Jane Eyre The main A young,, and "You think I have no, and that I can do without one bit of or; but I cannot live so"	hypocrite –
7	Mr visits Lowood School. He calls Jane to the front of the classroom and calls her a in front of all the teachers and pupils. Helen smiles at Jane, bringing Jane	Mrs Reed – Jane's SheandJane and isto send her away to Lowood School. "Guard against her worst fault, a tendency to deceit"	comeuppance – Victorian attitudes to childhood
8	Afterwards, Jane and visit Miss Miss Temple says she believes that Jane is not a Jane listens to Miss Temple and Helen's fascinating	Mr Brocklehurst – The governor of Lowood school A andChristian. He believes in drivingfromthrough harsh . "Punish her body to save her "	A child is a and can beto develop into a rational being. A child is born completely and They are only by contact with corrupt forces.
	Miss Temple hears from Mr that Jane is not a liar, and tells the Jane enjoys the in the	Helen Burns – Jane's friend A kind and Christian. She Jane to be more	The child is born and must therefore be and in order to to the rules of God and society.
9	breaks out at Lowood School. Lots of girls get Many Helen Burns dies of tuberculosis.	and She of tuberculosis at 14. "Love your enemies; bless them that curse you; do good to them that hate you and despitefully use you."	Biographical information 1 'Jane Eyre' written in by Charlotte
10	years Jane has become aat	Miss Temple The kind andteacher at Lowood. Offers care andto Jane and Helen.	 Parts of 'Jane Eyre' were influenced by experiences at school and as a young woman. 'Jane Eyre' was unusual when it was published because it is
	Jane applies to be a for aat Milcote.	"You shall be publicly cleared from every imputation: to me, Jane, you are clear now."	3 written in the from a perspective.

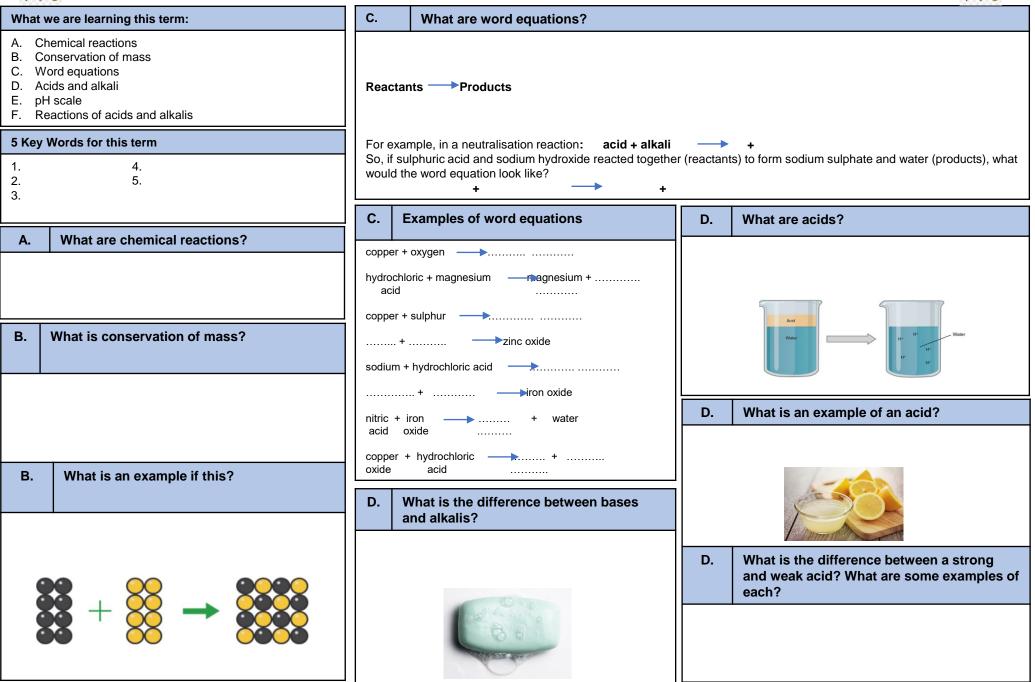
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Year 9 Alternative Curriculum Term 1 Science/Chemistry : Topic 7CC Chemical Reactions



T 49 4													T 40 6	
Key Terms	Definitions										What is neutr	ralisation?		
Acid	A substance which forms H ⁺ ions.									 When an acid reacts with a base a neutralisation reaction occurs, this 				
Alkali	Ikali A soluble base that contains OH- ions										means what you make has a pH of 7.			
Base	A substance	that will neutra	alise an acid							F.	What are the	products of a neutralis	ation reaction?	
The pH scale	A scale whic	h measure how	w acidic a su	ibstance is								-		
Indicator	A chemical w	vhich will chan	ige colour de	pending on t	he acidity o	of the su	ubstand	ce	•	When a	neutralisation rea	action happens the produc t	ts are a salt and water.	
									, 🗌	F.	What is an ex	cample of a neutralisation	on reaction?	
E What is the	pH scale?									A wash	sting is alkali so v	we add vinegar (an acid) to	it to neutralise it	
•									 •	Farmer	s also spread alka	alis onto fields to neutralise	the acid in the soil.	
	measures how s t runs from 0-14	trong an aci	id or alkali	is					·		r example is indige se this with alkali	estion when there is to muc tablets	h acid in our stomach, we	
The pH scale	measures the co	oncentration	of H ⁺ ion	s, the lowe	r the num	ber the	e highe	r the		noutrai				
concentration									E.	E. How do you name the salt that is made in a neutralisation				
E. What do t	he numbers o	n the pH so	cale corre	spond to	?					reaction?				
									ŀ			action happens a salt is ma		
	H between 0 ar								•	 To name a salt you need to use the alkali to form the first part of the name and the acid to form the second part of the name Hydrochloric acid makes chlorides 				
	pH between 8 ar a pH of 7 is neu			s, 11-14 stro	ong aikalis	S			•					
, ,	•								:		cid make nitrates ric acid makes su l			
										•	Alkali	Acid	Salt?	
A	cidic	Neu	utral	1	Alkalin	е						Acia	Jan	
								\frown		Calciu	m hydroxide	Hydrochloric acid	Calcium Chloride	
										Magne	esium oxide	Nitric acid	Magnesium Nitrate	
										Calciur	m carbonate	Sulphuric acid	Calcium Sulphate	
0 1 2	3 4 5	6 7	78	9 10	11	12	13	14		Alumini	um hydroxide	Nitric acid	Aluminum Nitrate	
										Potassi	um hydroxide	Sulphuric acid	Potassium Sulphate	
Reactants	Gonoral	equation				Evar	mnlo							

Reactants	General equation	Example
Acid and Alkali	Acid +Alkali → Salt + Water	Sodium Hydroxide + Sulphuric Acid → Sodium Sulphate + Water
Acid and Metal Carbonate	Acid + Metal Carbonate → Salt + Water +Carbon Dioxide	Hydrochloric acid + Magnesium Carbonate → Magnesium Chloride + Carbon Dioxide + Water
Acid and metal Oxide	Acid + Metal Oxide → Salt +Water	Sulphuric acid +Calcium Oxide → Calcium Sulphate + Water



	00														-					
Key Te	erms		0	Definitio	ons											F.	What is neutral	isation?		
Acid																				
Alkali																				
Base																F.	What are the pr	oducts of a neutralisati	on reaction	on?
	I scale																			
Indicat	or																			
E	What i	a tha n		102												F.	What is an exar	nple of a neutralisation	reaction	?
.	what i	s the p	on sca	lle r																
E.	Wha	at do th	he nun	nbers o	on the	pH sca	ale cor	respoi	nd to?						E.	How	do you name tl	he salt that is made i	n a neuti	ralisation reaction?
			٨				1										Alkali	Acid		Salt?
																Calciu	m hydroxide	Hydrochloric acid	b	
																Magne	esium oxide	Nitric acid		
																Calciu	n carbonate	Sulphuric acid		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14		Alumini	um hydroxide	Nitric acid		
																Potassi	um hydroxide	Sulphuric acid		
D				-		- 41 -						1_								
Reacta	ants			Gene	ral equ	ation						Exa	ample							

Reactants	General equation	Example
Acid and Alkali	Acid +Alkali → +	Sodium Hydroxide + Sulphuric Acid → +
Acid and Metal Carbonate	Acid + Metal Carbonate→ Salt + Water +Carbon Dioxide	Hydrochloric acid + Magnesium Carbonate →+++
Acid and metal Oxide	Acid + Metal Oxide → Salt +Water	Sulphuric acid +Calcium Oxide → +





Backg	round:		В.	Develo	pment i	ndicators (3)		
1. 2.	things better.	neans positive change that makes evelops it usually means that the	GDP p capita	ber	The to count	tal value of goods and services sold by a y in a year divided by the population.		
3.	people's standa (B)	ard of living and quality of life improve.	HDI			elopment measure which combines GDP pita, life expectancy and literacy rate.		
4.	economic, soci Emerging coun	al and political factors. (A) tries have begun to experience higher pment, with a rapid growth in	Life expect	ancy	The average age you are expected to live to in a country.			
5.	secondary indu Emerging coun	tries have some of the fastest rates of	D.	Rural t	o urba	n migration (4)		
6.	populated, this and challenges	urban areas (cities) to become highly process can have both opportunities . One such challenge is the growth of	Rural migra	to urban tion		The movement of people from rural areas (countryside) to urban areas (cities).		
7.	transnational c	tries often host the factories of many ompanies. They provide wages and	Push	factor		Things that make people want to leave an area e.g. a lack of jobs.		
	can also cause	promote development. However, they negatives. (<i>F, G</i>)	Pull fa	actor		Things that attract people to live in an area e.g. good health care.		
A.		tics of emerging countries (7)	Mecha	anisation	1	When machines begin to do the		
	countries	Brazil, Russia, India, China.				work which humans once completed.		
MINT	countries	Mexico, Indonesia, Nigeria, Turkey.	F Troponotion			nal corporations (TNCs) (5)		
Industi	rialisation	The process of a country moving						
		from mostly agriculture (farming) to manufacturing (making)	Transnational corporation			Those that operate across more than one country.		
Employ structu	•	goods. How the workforce is divided up between primary, secondary,	Footloose			Industries which are not tied to a location due to natural resources or transport links.		
		tertiary and quaternary employment.	Globa	lisation		The increased connectivity of countries around the world e.g.		
Secon		An industry which manufactures goods.				through trade.		
Export	-	Sending goods to another country for sale.		Host country		The country where the TNC places it's factories e.g. in an emerging or developing country.		
Urbani	sation	The growth in the number/ proportion of people living in towns and cities.	Source country			The country where the headquarters for the TNC is located e.g. a developed country.		

C.	Encouraging development (4)							
Subsid	dy	Money given by a government to help an industry keep down the cost of exports.						
Tax bi	reaks	This reduces the amount of tax a company must pay (normally for a fixed period), therefore increasing profit.						
Minim wage	um	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)						
Squatt shanty settlen	1	An area (often illegal) of poor quality housing, lacking basic services e.g. water.						
Inequa	ality	Differences in wealth, and wellbeing.						
Sanita	tion	Measures to protect public health e.g. clean water and disposing of sewage.						
Inform econo		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.						

G.	Impa	ct of TNCs						
Positive: <i>(5)</i>		 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). 						





Background:	В.	Develo	pment indicators (3)	C.		ging development (4)
1. Development means		<u> </u>		Subsidy	/	
2. As a country develops it usually means	GDP capit			Tax bre	aks	
3. Different factors can affect development such as	HDI			Minimu	m wage	
 (A) 4. Emerging countries have begun to experience higher rates ofwith a rapid growth 	Life expe	ctancy		Trade u	inions	
in (<i>A</i> , <i>C</i>) 5. Emerging countries have some of the	D.	Rural to	urban migration (4)	E.	-	er settlements (5)
 6. This is causing urban areas (cities) to become , this process can have both 	Rural migrat	to urban tion		Squatter/ shanty settlement		
opportunities and challenges. One such challenge is the growth of	Push	Push factor		Inequa	ality	
 (E) 7. Emerging countries often host the factories of many transnational companies. They provide 	Pull factor		Sanitation			
wages and taxes, and can promote development. However, they can also cause negatives. <i>(F, G)</i>	Mecha	Mechanisation		Informal economy		
A. Characteristics of emerging countries (7)	F. Transnational corporations (TNCs) <i>(5)</i>		Quality of lif			
BRIC countries		national			_	
MINT countries	corpo	ration		G.	Imp	act of TNCs
Industrialisation	Footloose			Positi <i>(5)</i>	ve:	1. 2.
Employment structure	Globa	lisation				3. 4.
Secondary	Host	country				5.
industry Exports	TIUSE	Journay		Negat (3)	tive:	1.
Urbanisation	Sourc	e country		(0)		2. 3.
						З.

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

What we ar	e learning this term:		С.	Causes of WWI						
Fron B. The f	nain battles on the British Sector of the during WWI rench system – structure and features		Militarism	Britain 'ruled the waves'. It had to most powerful Navy in th Once Britain heard about Germany's plans to build a navy,						
D. How E. How	h problems caused by the conditions in the wounded were evacuated and who the war led to improvements in medicin- ulness of primary sources for historical e	treated them e	Alliances	France and Russia: France and Russia had had an alliance	nce. They promised to defend each other if either were attacked. This is called the Triple Alliance . e since 1904 – because they both thought the best way of controlling Germany was to surround her. 907 as England became increasingly worried about German naval strength. This left Germany					
6 Key Word	Is for this term – Section A		Imporialiam		huge everyone empires this gave	them exceed to row motorials for i	ndustry and a market for their			
 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 Royal Army Medical Corps (RAMC) – The branch of the army responsible for medical care No-man's land – The area between two opposing trenches during WWI Shrapnel – Fragments of metal from exploded shells Saitent - An area of a battlefield that is surrounded by 			Imperialism	goods, it also gave them huge amounts of political power a	owerful nations and wanted this to continue. Kaiser Wilhelm wanted to compete with Britain and					
			Nationalism	nation, like Britain, and had a powerful army.In 1871 Prussi united.	of separate kingdoms. The most powerful of these was called Prussia. Prussia was an industrialised ia fought and defeated France in the Franco Prussian War. After the defeat of France, Germany national identity rather than separate identities for different kingdoms.					
6 Allia	by territory on 3 sides nces – An agreement countries make to other if they are attacked by other tries	o support	Assassination of Franz Ferdinand	the attack. They made harsh demands on the Serbians whi Serbia. When Serbia rejected the demands, Austria-Hunga	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 Austria-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>	<u>Features</u>	В.	Describe two featur	es of the trench system during the Western Front	E. What health pr	oblems were caused by conditio	ns in the trenches?			
1 st Battle			This was an ar	ea where soldiers could be protected from light fire		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 –				
of Ypres (1914)	the German army from advancing towards the Belgium coast.	2 – Barbed wire	This would mal	ke it more difficult for the enemy to get into the trench	 occurred as a result of an injury. Treated by amputation of the anected area. Cas cangrene – 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 4 Trench fever – flu-like condition that was spread by lice in the trenches 					
2 nd Battle of Ypres (1915)	This battle was the first time that the Germans used chlorine gas as a weapon against the British.	3 – Sandbags	These could at its shape	sorb the shock of the bullets and help the trench maintain						
Battle of the	Bloodiest battle in the whole of the war – total of 57,000 men were	4 – Fire ste		ldiers stepped on when they wanted to climb over the top. Ig it was often used as a bench or bed						
Somme (1916)	killed during the first day alone. The RAMC were not prepared for the amount of casualties and hospitals and casualty stations	5 - Duckboard		s that were placed on the floor of the trench to provide a r ground for the soldiers to walk over	5 Trench foot – painful swelling of the feet caused by standing in cold mud and water, which could lead to gangrene.					
Battle of	This British used tunnels to dig	6 – Elbow rest	This is where s	oldiers would prop their guns to shoot out of the trench	G.					
Arras (1917)	near to the German trenches and surprise them with the attack. No	7 - Parapet	This was a way	of protecting soldiers as they shout out of the trench		i				
(1017)	progress was made and there were 160,000 casualties.		-		Why is it called a World War?	Why did WW1 End?	Was the Treaty of Versailles harsh on Germany?			
	were 100,000 casualites.	- F.	How did World	War One end?	Many soldiers from all over	Cormony was stanying	Germany had inflicted a much			
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.	1917 – Follov between Ger Triple Entent	wing the sinking of US sł many and Mexico leadir e. ite forces on the Wester	ed. Russia left the war, surrendering to Germany in 1917. hips, such as the Luscitania, and the potential threat of an alliance g to an attack on the USA, the USA joined the war on the side of the in Front push the German army back to the Hindenberg Line, the last	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.	harsher treaty on Russia called the Treaty of Brest Litovsk.			
Battle of Cambrai (1917)	This battle saw the first large- scale 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.	1918 – Block people in Ge 1918 – The C 1918 – The K	ades enforced by the Er rmany were starving. Germany Navy began to Caiser abdicated.	tente led to lack of resources and food in Germany. Thousands of Mutiny s signed, formally ending the First World War	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			

	Year 9	Term 1 Hi	story Knowledg	e organiser: Topic = British Sector of the Weste	ern	Front, 1914-1918: injuries	s, treatments and trenche	S.
What we are	e learning this term:		C.	Causes of WWI				
durin B. The t	nain battles on the British Sector of the We g WWI rench system – structure and features		Militarism					
D. How E. How	h problems caused by the conditions in the the wounded were evacuated and who trea the war led to improvements in medicine	ited them	Alliances					
	Iness of primary sources for historical enquises of the storic of the stories of	uries	Imperialism					
Nationalism			Nationalism					
			Assassination of Franz Ferdinand					
В.	Describe two features of the key battles during WWI		The Blank Cheque					
Battle	Features							
1 st Battle of Ypres		В.	Describe two feat	ures of the trench system during the Western Front		E. What health pro	oblems were caused by condition	ons in the trenches?
(1914)		1 – Dugo	out					
2 nd Battle of Ypres (1915)		2 – Barbe wire	ed					
Battle of the Somme		3 – Sandbag						
(1916)		4 – Fire s	step					
Battle of Arras		5 - Duckboa	rds					
(1917) 3 rd Battle		6 – Elbov rest	N			G.		
of Ypres (1917)		7 - Parap	pet			Why is it called a World	Why did WW1 End?	Was the Treaty of Versailles
Battle of Cambrai		F.	How did Wor	Id War One end?		War?		harsh on Germany?
(1917)								
					1			

Year 9 Religious Education: Atheism

What we are	learning this term:	•	B. • How has Biblical criticism	influen	ced the rise of atheism ?		
	ent of Atheism and worldviews Can you define these key words?	•	People question what the Bil	ole meai	ible using scientific criteria ns, rather than looking at it as a literal word of God. challenge the 'truths' that are found in the book.		
Key word	Key definition	C.	Explain 4 reasons people are	E.	Explain Neitzche's ideas about religion and morality		
			atheist or reject religion		God is just made up to help people deal with suffering		
Dogma	Beliefs or principles laid down by authority as	1	The problem of evil – how can God be loving if people		Instead of religion, we should follow our own rules and goals instead		
	unquestioningly true .		are suffering in the world?		Explain how Freud challenges religious truth		
Doctorine	Beliefs and teachings given by a religion.	2	Miracles do not fit in with		 Religion is only there because people want authority Religion is an illusion which makes you feel better about dying Religion helps people cope with their unhappy lives 		
Theist	A person who believes in a God who created the universe		science, so are not believable		Explain how Feuerbach challenges religious truth		
Atheist	A person who does not believe in God	3	Religious teachings can be harmful for people e.g. teaching that homosexuality is wrong Arguments to say God exists		 God does not exist. Humans have made up the idea of a 'God' to give themselves a reason to live. 		
Agnostic	A person who doesn't believe that God does or doesn't exist because there is not enough proof	4			 Humans have given God perfect qualities that they want to aim for e.g. loving 		
Salvation		4	have problems with them		Explain how Marx challenges religious truth		
	being saved from the sins of Adam and Eve		(teleological and cosmological)		 The powerful and rich use it as a way to control people into particular behaviour eg 'do not kill' 		
Grace	The free and undeserved favour of God through salvation	D	Explain Hume's main		 It is also used to stop people from rising up against the rich and powerful 		
Secular	attitudes, activities, or other things that have no religious or spiritual basis.	•	arguments against miracles	F.	Explain 2 reasons why science is a challenge to religion		
Emirical/em piricist	Knowledge is based on what is seen or	1	One bit of evidence is not	1	 Evolution shows creatures took millions of years to evolve This means they were not created in one day 		
	experienced		enough to believe that miracles can happen when millions of	2	Big Bang Theory shows the universe was made over billions of		
Reason	the power of the mind to think, understand and form judgements through logic		pieces of evidence say they can't		 years God did not create the universe in 6 days 		
Biblical criticism	The use of critical analysis to understand and	2	Most people who experience	-	Explain 2 religious responses to the challenge of science		
	explain meaning in the Bible.		miracles are not education, so	1	Science shows us how complicated the world that God created is		
A priori	An argument/statement which is supposed to be true because it is true by definition		why believe them?	-	e.g. shows the human eye is perfectly designed by God		
Fundament alist	a person who believes in the strict, literal interpretation of scripture in a religion.	3	Humans tend to lose their common sense when thinking about miracles	2	 Creation story isn't actually true, it just tells us a message The message is that God is all powerful and created the universe Science and religion can be true at the same time 		

		Ye	ear	9 Religious Educatio	n:Ath	eism
What we are I	learning this term:	•	В.	How has Biblical criticism	influen	ced the rise of atheism ?
	ent of Atheism and worldviews Can you define these key words?	•	1	People question word of God.		, rather than looking at it as a literal
Key word	Key definition	C.		Explain 4 reasons people are	E.	Explain Neitzche's ideas about religion and morality
Dogma	or principles laid down by as unquestioningly	1		atheist or reject religion The problem of evil –		God is just made up to help people Instead of, we should follow
Doctorine	Beliefs and given by a	2		Miracles do not fit in with		Explain how Freud challenges religious truth
	A person who believes in a God who created the universe		Ē	, so are not believable		Religion is only there because people want Religion is an which makes you feel better about
	A person who does not believe in God	3	can be for people			helps people cope with their Explain how Feuerbach challenges religious truth
Agnostic	A person who doesn't believe that	4	ŀ	e.g. teaching that homosexuality is wrong		 God does not have made up the idea of a' to give themselves a reason to live.
Salvation	being from the sins of and		Arguments to have problems with them			Humans have given God perfect qualities that they want to aim for e.g.
	The free and undeserved favour of God through			(teleological and cosmological)		Explain how Marx challenges religious truth • The powerful and rich use it as a way to
	salvation attitudes, activities, or other things that have	D		xplain Hume's main guments against miracles		It is also used to stop people from
	no religious or spiritual basis.	1		ne bit of evidence is not	F.	Explain 2 reasons why science is a challenge to religion
Emirical/em piricist	Knowledge is based on what is or		en	ough to believe that	1	shows creatures took millions of years to This means
Reason	the power of the mind to, understand and form through logic	2	pro un	racles have mainly been oclaimed by scientifically educated peoples so why	2	shows the universe was made over billions of years God did not
Biblical criticism	The use of analysis to understand and explain meaning in the		ad un	lieve their stories when vanced modern derstanding shows the		Explain 2 religious responses to the challenge of science
A priori	An argument/statement which is supposed to be because it is true by	3	wa	ents to be impossible eg alking on water umans tend to lose	1	Science shows us e.g
	a person who believes in the strict, literal interpretation of scripture in a religion.			when thinking	2	 Creation story isn't actually true, it just The message Science and religion can be

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

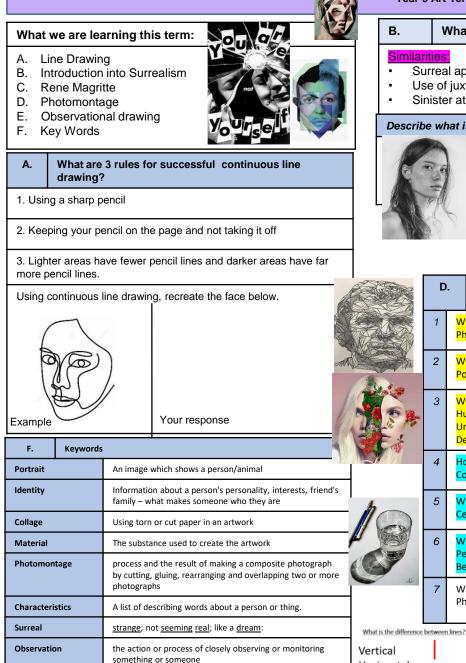
What we are learning this term: B ¿Llevas una vida sana?					Key Verbs					
A. Foods/drinks B. Healthy living		acostarse to go to bed Cambiar to change		Ser To be	<u>Tener</u> To have	Present	Past	Future		
C. Smoking D. Free time activities		cansado/a el cuerpo	Tired Body	Soy	Tengo	Hablo	Hablé	Voy a Ha	ablar	
E. Free time activities x		deportista	Sporty	= I am	= I have	l speak	I spoke	I am goi	ng to speak	
F. Key words across to	pics	dormir el ejercicio	to sleep Exercise	Eres			Comí	,		
6 Key Words for this te	rm	la energía el esfuerzo	Energy Effort	= You are	= You have	l eat	l ate	-	ng to eat	
1. Almuerzo 2. Ceno	4. Peligroso 5. evitar	estar en forma	to be fit	Es = s/he is	Tiene = s/he has	Voy I go	Fui/fue I am/it was	Voy a ir I am goii	ng to go	
 Ceno Desayuno 	6. cambiar	evitar fumar	to avoid to smoke	Somos	Tenemos	Soy	Fui	Voy a se		
		joven	Young	= We are	= We have	l am	l was	I am goi		
A. ¿Qué te gi	usta comer?	llevar una vida (sana) mantenerse en forma	to lead a(healthy)life to keep fit	Son = They	Tienen	Tengo	Tuve	Voy a te	ner	
el almuerzo	Lunch	morir	to die	are	= They have	I have	I had	,	ng to have	
el azúcar	Sugar	necesario/a relajarse	Necessary to relax	E. 3.1F Que	te gusta hacer e	en tu tiempo	F. K	ey Words	across Topics?	
barato/a el bistec	Cheap Steak	la salud	health		libre?		to have = te	ener	Divertido – fun	
la carne	Meat		inion do fumor?	bastante	quite		to be = se	er	Aburrido – boring	
caro/a la cena	Expensive evening meal	C. ¿Qué es tu op		cada cenar	each, ev	ery an evening meal	to go = ir to do = ha	acer	Util – useful Inutil – useless	
la comida	Food	Afectar asqueroso/a	to affect disgusting / filthy	Charlar	to chat t	•	to play =ju	gar	Comodo – comfy	
la comida basura el desayuno	junk food Breakfast	causar	to cause	descansar	cartoons		to see = v to listen=es		Interestante- interesting	
la ensalada	Salad	el cigarrillo el corazón	Cigarette Heart	los dibujos animad el documental	dos docume weekend		to buy =co		Entretenido –	
la fruta la galleta	Fruit Biscuit	el daño	damage / harm	el fin de semana	great		to live =viv		entertaining	
la grasa	Fat	dejar de (fumar)	to stop (smoking)	genial las noticias	news never		to speak= h to have to =		Emocionante – exciting	
el helado	ice-cream	la enfermedad el / la fumador(a)	illness / disease Smoker	nunca	occupied		to want to=c	•	Guay – cool	
la leche	Milk	el fumar pasivo	passive smoking	ocupado/a policíaco/a	police, c to put	rime (adj.)	to visit = vis to eat - =co		Genial – great Soso – dull	
las legumbres	Vegetables	la muerte la mujer	Death Woman	poner	in gener	al	to drink = b		Asqueroso –	
los mariscos el pastel	Seafood Cake	el olor	Smell	por lo general	always		to go out = to read = lee		disgusting Malo- bad	
el perrito caliente	hot dog	el peligro	danger	siempre el teatro	theatre soap op	era	to work = tra		Bueno – good	
picante el plato	Spicy Dish	D. 3.1G ¿Qué haces	en tu tiempo libre?	la telenovela	to finish		to think = pe to write =es		Arriesgado- risky Educativo-	
el pollo	Chicken	Bailar	To dance	terminar el tiempo	time all, ever	/		SCHDII	educational	
rico/a saludable	Tasty	Cantar	To sing	todo/a/os/as	silly, stu				Estimulate-	
sano/a	healthy Healthy	De vez en cuando	From time to time	tonto/a la vez	time, oc	casion			stimulating Peligroso-	
la tortilla	Omelette	Entretienido Estimulante	Entertaining Challenging						dangerous	
la tostada las verduras	Toast green vegetables	Leer	To read							
	given regetables	Libre Pelicula	Free (as in free time)							
		Salir	Film To go out	L	I		ᅬ			
		Tarde	Late							
		Ver	To see							

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

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What we are learning this term:	B ¿Llevas u	na vida sana?	Key Verbs					
A. Foods/drinksB. Healthy livingC. Smoking		to go to bed to change Tired	<u>Ser</u> <u>To be</u>	<u>Tener</u> <u>To have</u>	Present	Past	Future	
 D. Free time activities E. Free time activities x 2 F. Key words across topics 		Body Sporty to sleep	= I am	= I have	l speak	I spoke	I am going to speak	
6 Key Words for this term		Exercise	= You are	Tienes = You have	l eat	l ate	I am going to eat	
1.Almuerzo4. Peligroso2.Ceno5. evitar3.Desayuno6. cambiar	estar en forma	Effort to avoid to smoke	= s/he is	= s/he has	l go	I am/it was	I am going to go	
	I I llevar una vida (sana)	Young	= We are	= We have	l am	l was	I am going to be	
A. ¿Qué te gusta comer?	mantenerse en forma	to die	= They are	Tienen = They have	 I have	I had	I am going to have	
el azúcar Cheap		Necessary to relax	E. 3.1F Que	te gusta hacer e libre?	n tu tiempo		ey Words across Topics?	
el bistec Meat	Afectar el corazón el daño la enfermedad el fumar pasivo el olor el olor	health pinion de fumar? disgusting / filthy to cause Cigarette to stop (smoking) Smoker Death Woman danger s en tu tiempo libre? To dance To sing From time to time Entertaining Challenging To read Free (as in free time) Film To go out Late To see	cada cada las noticias policíaco/a por lo general la telenovela terminar el tiempo la vez	quite	htary H H, busy H H, busy H, b	to have = to be = to go = to play = to see = to listen= to buy = to listen= to speak= to visit = to drink = to drink = to work = to work = to write =	Aburrido Util Inutil Comodo Interestante- Entretenido - Emocionante - Guay Genial Asqueroso - Malo Arriesgado	

G. Translation Practice		H . Key Ques	tions: Answe	r the following in your own words. Use these model answers		
I like going shopping I love to go out with friends I like quite watching TV I don't like playing the guitar	mgidc mesca mgbvlt nmgtlge	¿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		
in my free time I don't like going shopping	mtl nmgidc	¿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		
He likes playing the piano She likes going out with her friends	lgtep Igscsa	¿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.		
He likes watching TV in his free time From time to time I read a book in the evening	lgvltest l dveclul plt	¿Qué te gusta hacer en tu tiemp qué? What do you like doing in your free		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.		
Always I play the guitar with my group Sometimes I go shopping in	stlgcmg avvdcem	I. Key Qu	uestions: Try	to translate the model answers using words from the KO		
my free time Each week he likes to watch TV in the evening Usually she watches TV one	tl cslgvltp lt amvltuv	¿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		
time per week Sometimes she plays football	els avjafpl	¿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		
in the evening Often they play basketball in the free time	amjabel tl	¿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		
Usually we listen to music every day I hope to visit my grandma's house I'm going to cook chicken and	amemtl d evlcdma vacpcpf	¿Qué te gusta hacer en tu tiemp qué? What do you like doing in your free		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		
chips						
I have to cook every day I'm thinking of watching TV	tqctld pvlthplt		I	J. Key Grammar		
tonight		Make sure adjectives agree eg blanco/blanca/blancos/blancas		anca = My house is white anco = My dog is white		
For breakfast, I drink milk and eat a sandwich	ped, blyc ub	Using verbs correctly in the present tense		hablas, habla, hablamos, habláis, hablan , come, comemos, coméis, comen		
For desert, they eat cake For breakfast, I take salad and chicken	pep,cp ped,tey p	Comparatives More /less Better/worse The best/the worst	Mejor/peor qu	os que – more/less than or que – better/worse tan /lo peor = the best/the worst		
For lunch, she takes a Spanish tortilla	pea,tute					



An artwork made from more than one material

Mixed media



- Surreal appearance
- Use of juxtaposition
- Sinister atmosphere created

Describe what is happening in each stage of the making?



What subject matter does she use?

Portraits and landscapes

Human effect on nature

Detachment with nature

How does he create his work?

What is his subject matter?

People are made of flowers

Photomontage and collage

Beauty within people

Celebrity portraits and flowers

Urbanization

Answer the following questions on

MERVE ÖZASLAN and Marcelo Monreal? What materials does she use to create her work? Photographs/images craft knife and matt

What messages could she be portraying in her work?

Collage, cutting and sticking images/photographs

What messages might he be presenting in his work?

What are the techniques both artist use?



Differences:

С

- Use of everyday objects
- Painting vs photomontage
- Contrast colour scheme (black and white vs colour)

List 3 words to describe the Surrealism style of artwork?

- 1.) Strange, uncanny, abnormal
- 2.) Juxtaposition, contrast
- 3.) dream-like, unconscious



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
- 2. Draw outline of objects
- 3. Identify where the light source is
- 4. Add highlight, shadows and mid-tones
- 5. Add in any extra details (pattern, lines and texture)

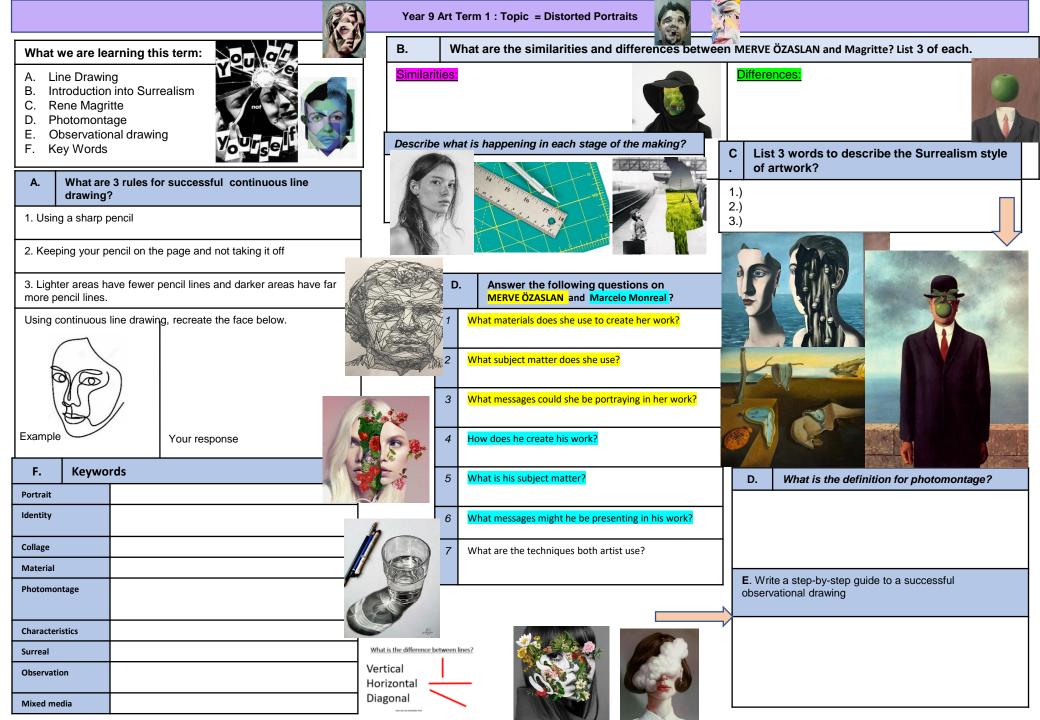






Horizontal

Diagonal





Year 9: World Cultures 2: Samba

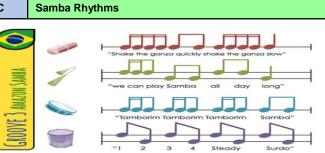
Term 1 🐻

Α	What we are learning about this term.
1	History of samba and carnival
2	Polyrhythms, grooves and breaks

Call and response/improvising 3



В	Keywords	
PULSE	The steady beat	D
RHYTHM	A combination of long and short sounds and silence	Liste
POLYRHYTHM	Two or more rhythms played at the same time	Sam
SAMBISTA	The leader of the ensemble, gives musical cues to the performers using the APITO (Samba Whistle)	festi carn
CALL AND RESPONSE	Where a pattern is played by the leader, and then repeated or responded to by the rest of the performers.	diffe are p the s
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	FORM AN
IMPROVISATION	Music made up on the spot, without preparation	Inti



Analysing Samba Music from Brazil

С

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

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

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

Listen here ->



Coda



Break Mid-Section Groove Groove Groove Intro



Note	Name	Beats	Rest	Note	Name	Beats	Res
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	-
	Crotchet, Quarter Note	1 beat	3	.	Dotted Crotchet, Dotted Quarter Note	1% beats	3
1			4	1			4

G	Describing music	cribing music – MAD T SHIRT										
М	А	D	т	S	Н	I	R	т				
Melody	Articulation	Dynamics	Texture	Structure	Harmony/Tonality	Instruments	Rhythm	Тетро				
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

Term 1 🚰

A What we are learning about this term	C Samba Rhythms	E Samba Instruments
1 History of samba and carnival Polyrhythms, grooves and breaks Call and response/improvising 3 Call and response/improvising Cover write CHECK B Keywords	D Analysing Samba Music from Brazil	
	Listen to Raio De Sol do you notice how the texture begins m (one single rhythm) using? Samba music is also designed for performance at large festivals with singers, dancers and processions, called	F Note Values – Dotted Note Values
	, so the music is usually(very loud).	Note Name Beats Rest Note Name Beats Rest
	The interesting patterns that are created by layering lots of different rhythms () are calledand are played at a fast tempo for the dancing and marching along the streets in the carnival!	
	FORM AND STRUCTURE of a piece of Samba may look like the following:	

G	Describing music	Describing music – MAD T SHIRT								
М	А	D	т	S	Н	I	R	т		
M	A	D	Т	S	Н/Т	I	R	T		



Year 9 PRODUCT DESIGN Rotation Knowledge Organiser

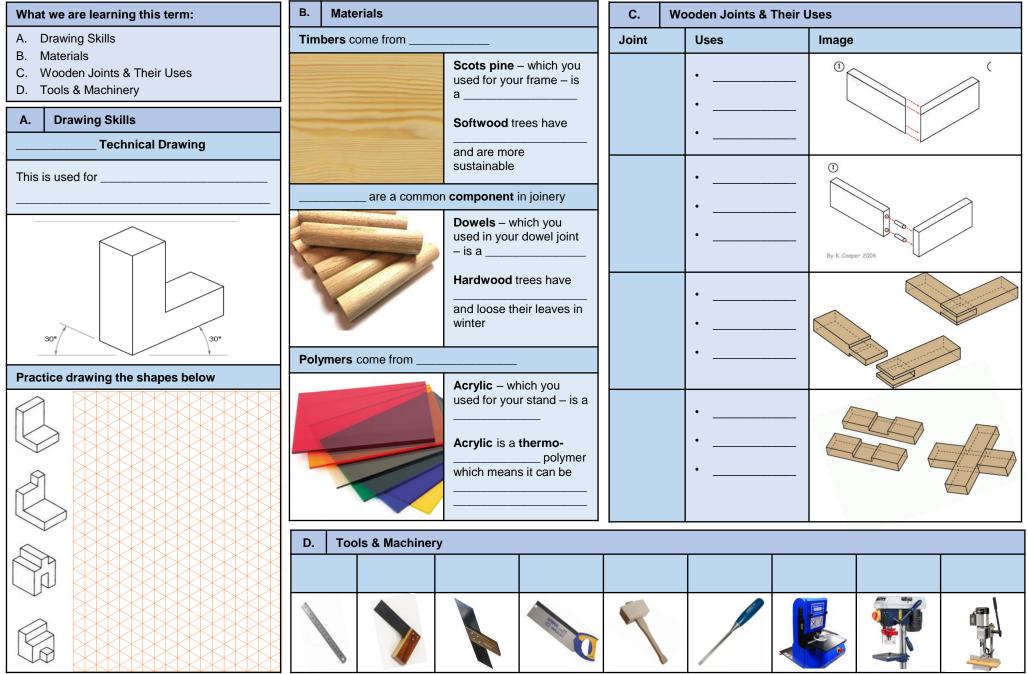


What we are learning this term:	B. Materials				C. Wooden Joints & Their Uses				
A. Drawing Skills	Timbers	come from trees	;		Joint	Uses	Image	•	
 B. Materials C. Wooden Joints & Their Uses D. Tools & Machinery A. Drawing Skills			Scots pine used for you a softwood	ir frame – is	Mitre Joint	 Picture Fram Joining Mole Window or I Frames Trim and 	dings		
Isometric Technical Drawing			needle like l are more su	eaves and		Skirtings			
Made up of a series of par parallel vertical					Dowel Joint	Make joints stronger.			
lines and parallel 30-degree lines. But no horizontal lines.	Dowels a	re a common co	omponent in joi	nery		 Axles on toy Frames 	s.		
			Dowels – w used in your – is a hardw	dowel joint		 Shelves Table or Cha Leg Attachm 		9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
30. 30.	K		Hardwood t broad like le loose their le winter	aves and	Mortise and Tenon Joint	 Tables Chairs Door Beds Windows 			
Used to show a 3D (3-dimensional) perspective of a object or product.	Polymers	come from cru	de oil			CabinetsPanelling			
Orthographic Projection This shows 2D views of a 3D object from different angles – front, plan and end.			polymer Acrylic is a	ir stand – is a hing polymer	Cross Halving Joint	 Picture fram Drawers Cabinets Structural Framing 	les		
			heated and again and a	reshaped					
	D. To	ols & Machiner	у						
	Steel Rule	Tri Square	Mitre Square	Tenon Saw	Wooden Mallet	Chisel	Bandfacer	Pillar Drill	Mortice
Commonly used in industry to help the manufacturer understand the design.					5				



Year 9 PRODUCT DESIGN Rotation Knowledge Organiser





Year 9 COMPUTER SCIENCE Term 1 – Digital Literacy

- 1	

А	Passwords and Shortcuts	в	Excel Cell References		D	Excel Absolute Cel	I References
facture		What is	the cell reference for the following		Why	are absolute cell	
A leature of	a strong password has		A B			ences used?	
1		1					
2		3 4				is the absolute eference for the	
3		-			follo	A B C	
4		A	ВС		1 2		
4		2 3			3 4	_	
5		4				do you duplicate	
6		- F	ВС		an ex	isting sheet?	
		2			28		
7		4			29 30		
		A	ВС			Sheet1 +	
В		1 2			How	do you reference	
9		4			a cel shee	in a different	
What do the	e following shortcuts do?	с	Excel Formulae				
0.10							
Ctrl-C		What i	s the Excel formula for		E	Excel Tools	
Ctrl-V		1	A B C	Adding cells B1 and C2	Wha	do the following butto	ns in Excel do?
Ctrl-X		2	4.01 6.3 8.73 -5 0.004 12.7		[]	~	
				Subtracting cell A1 from cell A3	В		
Ctrl-Z							
Ctrl-A		Finding	g the mean of cells: A1, A2, A3, B1,	Multiplying cells B3 and C1		~	
Ctrl-S	1	B2 and				~	
						~	
F2		Finding	g the maximum of cells: A1, A2, A3,	Dividing cell A2 by cell B2			
Ctlr-Shift-N		B1, B2	2, B3, C1, C2 and C3		ab c		
Ctrl-P		Finding	g the product of cells: A1, A2, A3,	Raising A1 to the power of 7			
Ctrl-B		C1, C2	2 and C3				
Ctrl-U	1						

Year 9 COMPUTER SCIENCE Term 1 – Digital Literacy

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 t	he following shortcuts do?
Ctrl-C	Сору
Ctrl-V	Paste
Ctrl-X	Cut
Ctrl-Z	Undo
Ctrl-A	Select all

Ctrl-S

Ctlr-Shift-N

Ctrl-P

Ctrl-B

Ctrl-U

F2

Save

Print

Bold text

Underline text

Rename (file/folder)

Create a new folder

B Excel Cell Ref	erences							
What is the cell reference for	What is the cell reference for the following							
A B 1	B2							
A B C 1 2 3 4 5	A3:C3							
A B C	A2,A4,C1							
A B C 1 2 3 4 4 4	A1:B4							

С	Excel	Formulae			
What i		formula for			
	A	В	C		
1	2.3	5.7	1.1	Adding cells B1 and C2	2
2	4.01	6.3	8.73	=B1+C2	
3	-5	0.004	12.7		
				Subtracting cell A1 from =A3-A1	n cell A3
B2 and			, A2, A3, B1	Multiplying cells B3 and =B3*C1	d C1
B1, B2	g the maxir 2, B3, C1, C (A1:C3)		:: A1, A2, A3	Dividing cell A2 by cell =A2*B2	B2
C1, C2	g the produ 2 and C3 DUCT(A1:,	ict of cells: <i>A</i>	A1, A2, A3,	Raising A1 to the powe =A1^7	er of 7

D Excel Absolute Ce	II 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\$3			
A B C 1 2 3 4				
How do you duplicate an existing sheet?	 Right click the sheet we want to copy. Select 'move or copy'. 			
28 29 30 ≪ → Sheet1 ⊕	 Select 'create a copy'. Choose where you want the copy to be placed. 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			

E	Excel Tools
What do	the following buttons in Excel do?
<u> </u>	Accounting Number Format (format the cell in a currency, \pounds , \$, and so on)
В	Bold (make text bold)
<u></u> ~	Fill Colour (change the colour of selected cells)
<u> </u>	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)



pitch

Year 9: Lit in Colour - Performing a Script

Tongue Twisters

butter

bitter

Peter Piper picked a peck of

Betty Botter bought some

But she said the butter's

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

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?

Peter Piper

Betty Botter



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.



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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.

	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				
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, or to establish a scene. An author may simply suggest 'business' to indicate 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			
language	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 or 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).			

the particular level of a voice, instrument or tune.





pitch

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CROS



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- B. How to develop our physical techniques.
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NET WORDS	
articulation	
aside	
business	
characterisatio	
n	
dialogue	
focus	
gesture	
imaging	
improvisation	
inflection	
Interaction	
language	
mannerism	
mime	
mirroring	
monologue	
motivation	
movement	
P2C0	
pace performance	
elements	
	1





#AIMHIGH CHALLENGE TASKS Y9





<u>Subject</u>	Reading	Watching	Other Opportunities
English	Read:	Watch:	https://www.bronte.org.uk/
	https://www.bl.uk/romantics-and-	https://www.youtube.com/watch?v=Mv0snnk0	
	victorians/articles/charlotte-bronte-the-	kio	
	familiar-and-the-fantastical		
Maths	Read:	Watch:	Using your knowledge of patterns and
	Identifying features of a quadratic function –	Beautiful Trigonometry – Numberphile	sequences can you solve this famous ancient
	BBC Bitesize	YouTube	maths puzzle?
	Worked examples - Identifying features of a	Beautiful Trigonometry - Numberphile - Bing	Tower of Hanoi
	quadratic function - National 5 Maths	video	Tower Of Hanoi (transum.org)
	Revision - BBC Bitesize		
C		147-1-L	
Science	Read:	Watch :	Dissolving laundry detergent in water is an
	Difference Between Endothermic and	Hydrogen peroxide catalyst video- watch it	exothermic reaction. Simply dissolve
	Exothermic Reactions	expand! https://www.youtube.com/watch?v=3Tn-	powdered laundry detergent in your hand with a small amount of water. Feel the heat?
	https://byjus.com/chemistry/endothermic- exothermic-reactions-difference/	7JcZJuQ	WASH YOUR HANDS
			WASH TOOR HANDS
Geography	Read	Watch:	Count how many days the weather in the UK
	Climate Change: Stopping Climate Change	BBC iPlayer - Climate Change - The Facts	reaches above 20 degrees. Compare this with
	5 11 5 5		previous years using Historic station data -
			Met Office to see how things have changed.
History	Read	Watch:	Visit:
	Wounded –by Emily Mayhew	World War One (ALL PARTS) (2021 Re-edit) -	The Blunsdon and Cricket Railway Village.
		YouTube	SN25 2DA
Spanish	Read: the Spanish and English whilst	Watch: this video about what Spanish people	Check out how many Spanish destinations
	watching this video of a tour of Barcelona:	eat in their day to day lives:	EasyJet Fly to. Find out a little bit about each
	https://www.youtube.com/watch?v=I7bHX9	https://www.youtube.com/watch?v=n7Ma6Vu	destination: <u>https://www.easyjet.com/en</u>
	<u>WkrOE</u>	7COs	
Art	Read:	Watch:	Try visiting an art gallery to see how an artist
	How to develop your ideas in preparation for	How to use a sketchbook to develop your ideas	has created artwork in real life. The Tate
	GCSE	https://www.youtube.com/watch?v=Kha7-	website is an amazing tool to find 100's of
	https://www.bbc.co.uk/bitesize/guides/zc7m	GPgWok	established artists
	ng8/revision/1		https://www.tate.org.uk/art

