Year 9 – Booster Knowledge Organisers



Term 5

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

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

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



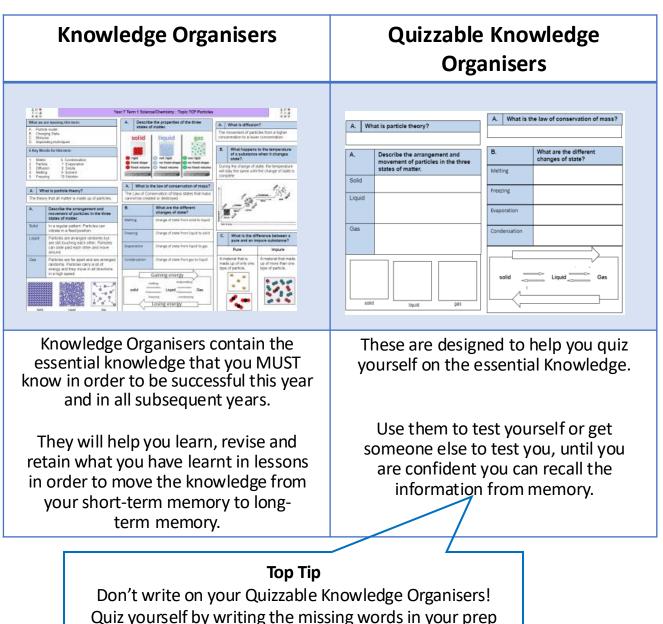








Using your Knowledge Organiser and Quizzable Knowledge Organiser

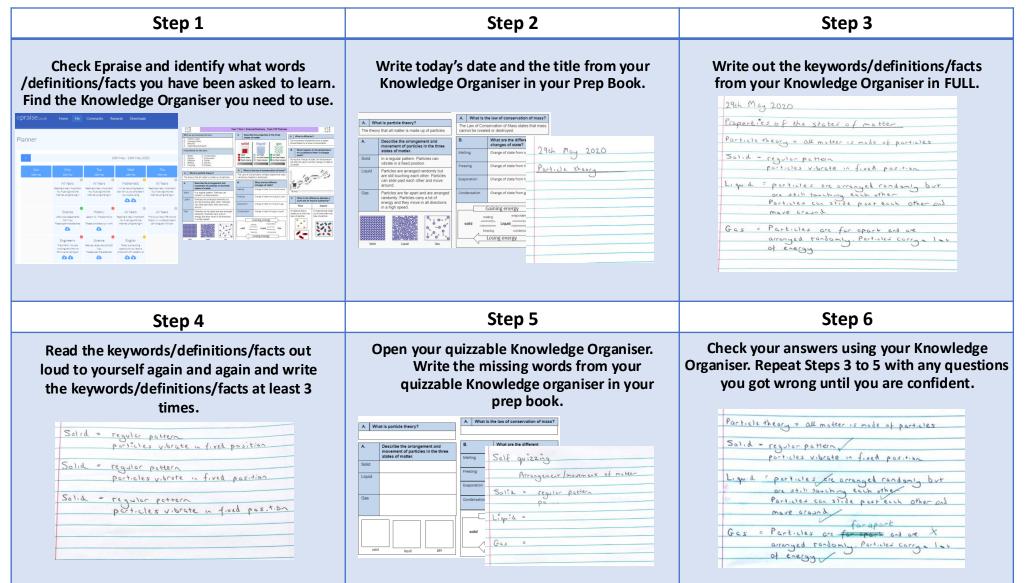


book. That way you can guiz yourself again and again!

Expectations for Prep and for using your Knowledge Organisers

- 1. Complete all prep work set in your subject prep book.
- 2. Bring your prep book to every lesson and ensure that you have completed all work by the deadline.
- 3. Take pride in your prep book keep it neat and tidy.
- 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.

<u>'Romeo and Juliet': T Knowledge Organiser</u>

		Characters	Vocabulary: Key words
Plot	breakdown	Romeo (Montague)	tragic – describes something as being very sad, or as part of a tragedy.
P	The Prologue outlines the main conflict in the play and warns the audience of the tragic fate of Romeo and Juliet.	Young man. Falls in love with Juliet. Kills himself at the end of the play. "Did my heart love till	submissive - ready to obey or conform to the authority or will of others
1.1	The Montagues and Capulets fight in the streets of Verona. Prince	now? forswear it, sight! For I ne'er saw true	narcistic – self-obsessed
1.2	Escales swears that any further fighting will be punished by death. Paris asks Lord Capulet about marring his daughter Juliet. Capulet tells	beauty till this night"; "Thus with a kiss I die"	feud – a serious argument and sometimes violent argument between two people or groups that continues for a long time.
1.0	Paris to wait as she is too young.	Juliet (Capulet)	shrine – a holy place that people go to pray.
1.3	Lady Capulet advises Juliet to agree to marry Paris. At the Capulet's masked ball, Romeo sees Juliet and falls in love with	13-year old girl. Falls in love with Romeo. Kills herself at the end of the play. "Wherefore art	status quo – the situation that exists now, without any changes.
1.5	her. They talk, kiss, and fall in love. As they depart, they learn they are from feuding families.	thou Romeo? Deny thy father and refuse thy name"; "O happy dagger, This is thy sheath;	obstacle – a problem that must be overcome.
	In the balcony scene, Romeo and Juliet fall deeper in love. They agree	there rust, and let me die"	vindictive – vengeful
2.2	to get married.		patriarchy - a society in which power lies with men
2.3	Romeo asks Friar Lawrence to marry him and Juliet. Lawrence agrees,	Lord Capulet (Capulet) Head of the Capulet family. Juliet's father.	belligerent - warlike
2.3	thinking it will unite the warring families.	Orders her to marry his friend, Paris. "She will be	exile (vb.) – to force them from their home and live in another place.
2.6	Friar Lawrence marries Romeo and Juliet.	ruled In all respects by me"	tenacious – very determined
3.1	Montagues and Capulets fight in the streets. Tybalt kills Mercutio; Romeo		catastrophe – a terrible accident.
2.4	kills Tybalt. Prince Escales decides to banish Romeo from Verona.	Paris (no family) Nobleman of Verona. Wants to marry Juliet.	stoicism – calm self control
3.4	Lord Capulet tells Paris that he can marry Juliet in three days' time. After their wedding night, Romeo leaves Juliet for the last time. They	Killed by Romeo at the end of the play.	
3.5	have a vision of the other's death. After Romeo leaves, Lord Capulet	Friar Lawrence (no family)	Terminology: Key words Tragedy – a play in which the main character brings about their own
	orders Juliet to marry Paris, threatening to disown her if she disobeys. Friar Lawrence comes up with a plan: Juliet must pretend to be dead	Religious leader in Verona. Agrees to marry	downfall.
4.1	and then escape Verona with Romeo. She agrees to the plan.	Romeo and Juliet, thinking it will bring peace to the city. "For this alliance may prove To turn	prologue – the introduction to a book, film, or play.
5.3	Romeo does not learn of Friar Lawrence's plan. He sneaks back into Verona and visits Juliet's tomb. He thinks she is dead, and kills himself	your households' rancour to pure love"	sonnet – a type of love poem. It has 14 lines, a strict rhyme scheme and 10 syllables per line.
5.3	with poison. Moments later, Juliet wakes up. She finds Romeo's body and kills herself with his dagger. The two families agree to end their feud.	Mercutio (Montague) Romeo's friend. Killed by Tybalt. "A plague	dramatic irony – when the audience knows something that the character on stage does not
	Big Ideas: of women: Juliet is powerless to make her own decisions.	a'both your houses!"	Tragic hero – the main character in a Tragedy that makes an error of judgement that leads to their downfall.
She	is ruled by her father who eventually decides to marry her off to a verful man. She breaks the status quo when she defies her father and	Prince Escales (no family) Ruler of Verona. Wants to bring peace to the city. "If ever you disturb our streets again, Your	solidoup – a speech in a play where the character speaks to himself or herself.
	es her own decisions.	lives shall pay the forfeit of the peace"	hyperbole – exaggeration.
	ution of Juliet's character: Juliet is a stereotypical Renaissance ghter at the outset, she is loyal and submissive. She becomes	Structure of Shakespearean	tragic flaw - a character has a tragic flaw when what makes them so special also brings about their downfall.
emp	owered and independent through her romance with Romeo. She omes a tragic hero by acting in pursuit of her own desires.	tragedy (Bradley)	foreshadow – to show or warn that something bigger, worse, or more important is coming.
Trag	edy: A Shakespearean tragedy is the story of one or two heroes of	Exposition Introduces the main characters	thesis – the main idea that you want to discuss throughout an essay.
	n-status,' such as Kings or Lords. They act in pursuit of one desire. The y leads up to and includes the death of the hero as a result of their	and the obstacles they will overcome in the play.	Features of Shakespearean tragedy (Bradley)
		Dising tension The bare so trute overegree	The characters are ' high-status ' – they are important people.
in th	and destiny : Fate is the idea that the events of someone's life are not eir control. The <i>star-crossed</i> lovers suggests they were fated for edy. This leads to many questions: Is the tragic ending inevitable? Do	Rising tension The heroes try to overcome the obstacles they face. They suffer.	The tragic hero acts : they try to do things . They don't just let things happen to them.
0	eay. This leads to many questions, is the tragic enaing inevitable? Do act independently?	Catastrophe The play ends with the deaths	Whatever they try to do, it always puts them in a worse situation .
		of the heroes.	They are exceptional – there is something that makes them special.

<u>'Romeo and Juliet': T Knowledge Organiser</u>

_		Characters	Vocabulary: Key words
Plot	breakdown	Romeo (Montague)	tragic –
P	The Prologue outlines the mainin the play and the of the of and	Young Falls in love with at the end of the "Did	submissive -
1.1	Theof Prince Escales swears that any further fighting will be by	my heart love till now? forswear it, sight! For I ne'er saw true beauty till this night"; "Thus with a kiss I die"	narcistic –
1.2	asks Lordabout marring hisJuliet. Capulet tells Paris to		feud –
1.2	wait as she is too young. Lady advises to agree to	Juliet (Capulet) 13-y girl. Falls in	shrine –
1.3	At the Capulet's ball, Romeo sees Juliet and in love with her.	with Kills at the end of the "Wherefore art thou Romeo? Deny	status quo –
1.5	They, and fall in As they depart, they learn they are from families.	thy father and refuse thy name"; "O happy dagger, This is thy sheath; there rust, and let me	obstacle –
	In thescene, Romeo and Juliet falin love. They	degger, mans my shearn, mererosi, and ier me	vindictive –
2.2	to get		patriarchy -
2.3	Romeo asks to him and .	Lord Capulet (Capulet) Head of thefamily.	belligerent - warlike
	Lawrence, thinking it will the Friar Romeo and	Juliet's Orders her to marry his friend,	exile (vb.) –
2.6	Filar Romeo ana	Paris. "She will be ruled In all respects by me"	tenacious –
3.1	kills, Prince Escales decides tokills, from	Paris (no family)	catastrophe –
	Verona.	of Verona. Wants to	stoicism –
3.4	Lordtellsthat he can marry Juliet in three days' time.	Killed byat the end of the play.	Terminology: Key words
3.5	After theirnight, Romeo leaves Juliet for the last time. They have aof the other's After Romeo leaves, Lord CapuletJuliet to marry, threatening to her if	Friar Lawrence (no family) in Verona to	Tragedy –
	she	Romeo and Juliet, thinking it will bring	prologue –
4.1	Friar Lawrence comes up with a: Juliet must to be	to the city. "For this aliance may prove To turn your households' rancour to pure love"	sonnet –
	and thenVerona with Romeo. Sheto the plan.	Mercutio (Montague)	dramatic irony –
5.3	Romeolearn of Friar Lawrence's He sneaks back into Verona and visits Juliet's He thinks she is and kills himself with Moments later, Juliet wakes up. She finds Romeo's body and kills	Romeo's Killed by "A plague a' both your houses!"	Tragic hero –
T 1	with his dagger. The twoagree to end their	Prince Escales (no family)	soliloquy –
	Big Ideas:	the city. "If ever you disturb our streets again, Your	hyperbole –
She is	of women: Juliet isto make her own decisions. by her father who eventually decides toher off to a	lives shall pay the forfeit of the peace"	tragic flaw -
make	man. She breaks the when sheher father and sher own decisions.	Structure of Shakespearean tragedy (Bradley)	fore shado w –
the_	tion of Juliet's character: Juliet is a stereotypical daughter at, she is loyal and She becomesand	Exposition	thesis –
	endent through her romance with Romeo. She becomes a tragic hero by in pursuit of her own desires.	-	Features of Shakespearean tragedy (Bradley)
Traa	dy: A Shakespearean tragedy is the story of one or two heroes of		The characters are '' – they are important
'	,' such as Kings or Lords. They act in pursuit	Development/Rising Action:	people. The tragic hero: they try to do They don't
	e The story leads up to and includes theof the as a result of their		ine iragic nero: iney iry to ao They don't They don't
		Catastrophe:	Whatever they try to do, it always puts them in a worse situation .
in thei	nd destiny: Fate is the idea that theof a life are not control. Thecrossed lovers suggests they were fated for This to many questions: Is the tragic ending inevitable? Do they act?	-	
	, ,		them

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What we are learning this term:			A. What are atoms?					
A. Atoms, elements and cB. Mixtures and separatio	n '	All su	bstances are made of	atoms. An atom is the small	est part of an element that can ex	ist		
C. Development of the atomic modelD. Structure of the atom			are elements?		What are compounds?			
E. Electronic structure	· · · · · · · · · · · · · · · · · · ·	An ele	ement is a substance	made of one type of atom	Compounds contain two or mor combined	e elements chemically		
6 Key Words for this term	1	How	are elements represe	ented?	How are compounds represe	nted?		
 Isotopes Protons 		Byad	chemical symbol.		By the symbols of the atoms that	at formed them		
 Ionisation Aqueous 	1	Exam	ple: Sodium	Na	Example: Sodium Chloride	NaCl		
5. Residue		How	many elements are t	here?	How can compounds be sepa	rated?		
B. What is a mixture?	,	There	e are about 100, all sh	own on the periodic table	By chemical reactions only			
A mixture consists of two or more elements or compounds not chemically combined.			A. What are word equations?					
What properties do mixtu	res have?	These show the names of each substance that is involved in a chemical reaction. The reactants are shown on the left. The products are shown on the right.						
Each substance in the mixt chemical properties	ure will have the same	$\frac{\text{Reactants}}{\text{Copper Oxide + Sulphuric Acid}} \rightarrow \frac{\text{Products}}{\text{Copper Sulphate + Water}}$						
How are mixtures separat	ed?	What are symbol equations?						
By physical methods:	Filtration	The chemical formulae (symbols) of the reactants and products show what happens in a chemical reaction						
Crystallisation	Simple Distillation	$CuO + H_2SO_4 \rightarrow CuSO_4 + H_2O$						
Crystallisation		D.	What are subatomic	c particles?	Where are each subatomic p	articles found?		
Fractional Distillation	Chromatography		articles that make up	-	Where are each subatomic particles found?			
Are new substances mad					protons and neutrons	× electron		
No new substances are made		Name the 3 subatomic particles		* Peutron				
A. What is Conservation of Mass Atoms are not created or destroyed in a reaction			Protons, neutrons and electrons			electrons moving around nucleus		

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Year 9 set 6 Term 5 Science - Chemistry : Topic C1 Atomic structure and the periodic table

What we are learning this term:			What are atoms?				
 A. Atoms, elements and compounds B. Mixtures and separation C. Development of the atomic model D. Structure of the atom E. Electronic structure 			are elements?		What are compounds?		
6 Key Words for this term		Howa	are elements repres	ented?	How are compounds represe	nted?	
 Isotopes Protons Ionisation Aqueous Residue 			ple: Sodium many elements are t	here?	Example: Sodium Chloride How can compounds be separated?		
B. What is a mixture?	,						
What properties do mixtures have?			A. What are word equations?				
		$\begin{array}{cccc} & \longrightarrow & & \\ & & & \\ & $					
How are mixtures separat	ed?	What are symbol equations?					
		D.	What are subatomi	c particles?	Where are each subatomic p	articles found?	
Are new substances made?		Name	the 3 subatomic pa	rticles			
A. What is Conservation of Mass							



Year 9 set 6 Term 5 Science - Chemistry : Topic C1 Atomic structure and the periodic table

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Perso	on/Time	Demicritus (400BC) Dalton (1803)	ritus (400BC) JJ Thomson (1898) n (1803)			Ernest Ruth	Ernest Rutherford (1909) Niels Bohr (1913)					James Chadwick (1932)		
Ideas	s/model	 Small indivisible m Tiny hard spheres 		Plum Puddi	ing mode	1		article scat					restricted to	Discovered the neutron
			Sphere of positive charge with			 Proved that mass of atoms found in the centre – nucleus Negative electrons surround the positive nucleus 			certain orbits like planets round the sun			Ticuton		
Diagram			0	0000										
	ribution to ent model:	Everything is made of	atoms	Negative el	ectrons		Positive ma by negative		entre sur	rounded		rbitals at specific		Neutrons found in nucleus along with protons
D.	How big ar	re atoms?			D.		know how	many sul	patomic	particles	s are in	E.		nergy level do
0.1n	m (1 x 10 ⁻¹⁰	^o m)				each eleme					s fill first?			
How	big is the rac	lius of an atom?				12-	Number				Electrons in an atom occupy lowest energy level first			
1/10	000 the siz	e of the atom – 1x10) ⁻¹⁴ m				Number of protons and neutrons				Нои	v many ele	ectrons does eacl	
D.	What is r	relative mass and o	charges of	of the		6 🗕	6 - Atomic	Atomic Number What is atomic number			? orbital hold?			
		ic particles?				-		Numbe	Number of protons – san		ne for First U		Jp to 2	
Suba parti	atomic icle	Relative Mass	Relativ							element		Sec	ond l	Jp to 8
Proto	on	1	+	+1	D. How can we element we h			t	D.	What is atomic i		Thir	d l	Jp to 8
Neut	ron	1	(0	Each	an elem		an elem	ent?	Elect	tronic struct	ure of Sodium:		
Electron 1/2000 -1				Each element has a unique number of protons An average va takes account				/	**	$\langle \rangle$				
D. What is the overall charge of an atom?					What	What is an isotope? abundance of			abundance of the sotopes of an) 2,8,1			
Atoms have no charge				An isotope is a substance with the element			•			××	2,0,1			
No of protons = no of electrons					e number of propertions	btons but different								



Year 9 set 6 Term 5 Science - Chemistry : Topic C1 Atomic structure and the periodic table

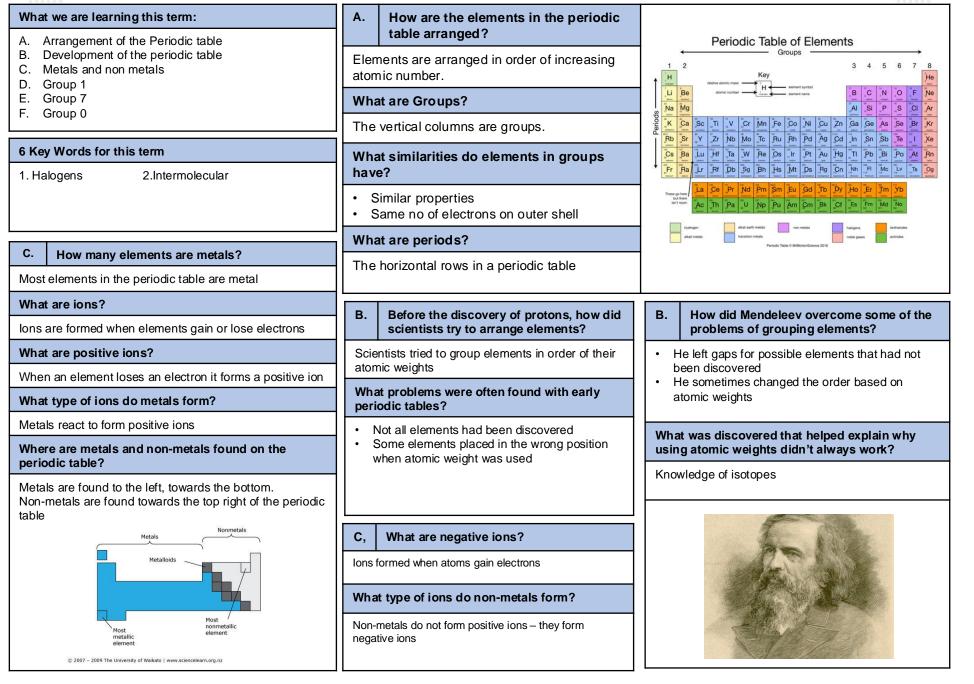
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C.	Developr	nent of the Atomic N	lodel – How was o	ur curre	nt atomic mo	del develope	ed?						
Perso	on/Time	Demicritus (400BC) Dalton (1803)	n (1898)	3) Ernest Rutherford (1909)				Niels Bohr (1913)			James Chadwick (1932)		
Ideas	:/model												
Diagram			0 0 0	•									
	ribution to ent model:						Ų						
D.	How big ar	e atoms?		D.	How do we each eleme	e know how ent?	many sul	oatomic	c particles a	are in	E.		energy level do ns fill first?
How	big is the rad	ius of an atom?		C	12-	Mass Number	What is	Mass	number?				
D.	What is r	elative mass and o	pharman of the		∕ ₆ ←	Atomic	What is	atomi	c number?			many e tal hold ?	lectrons does eac
D.		ic particles?	sharges of the		U I	Number					First		
Suba parti	atomic cle	Relative Mass	Relative Charge		•						Seco		
Proto	on			D.	How can we	e know what have?	:	D.	What is rel atomic ma		Thirc	k	
Neut	ron								an elemen	t?	Elect	ronic strue	ture of Sodium:
Elect	ron												
D.	What is the	overall charge of an a	tom?	What	t is an isotope	?							

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Year 9 set 6 Term 5 Science - Chemistry : Topic C1 Atomic structure and the periodic table

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Year 9 set 6 Term 5 Science - Chemistry : Topic C1 Atomic structure and the periodic table

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What we are learning this term: A. Arrangement of the Periodic table B. Development of the periodic table C. Metals and non metals D. Group 1 E. Group 7 F. Group 0 6 Key Words for this term 1. Halogens 2. Intermolecular	A. How are the elements in the periodic table arranged? What are Groups? Periodic Table of Elements What are Groups? 3 4 5 6 7 8 What similarities do elements in groups have? No F Ne What similarities do elements in groups Image: State of the s
C. How many elements are metals?	What are periods? hdsgen state metal non-metal balance hdsgen balance
What are ions?	B. Before the discovery of protons, how did scientists try to arrange elements? B. How did Mendeleev overcome some of the problems of grouping elements?
What are positive ions? What type of ions do metals form?	What problems were often found with early periodic tables?
Where are metals and non-metals found on the periodic table?	What was discovered that helped explain why using atomic weights didn't always work?
	C, What are negative ions? What type of ions do non-metals form?

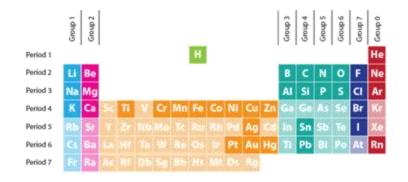
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D	Group 1 of the Periodic Table -	Group 1 of the Periodic Table -						
Wha as?	at are group 1 elements known	Alkali Metals						
Met	al or non-metal	Metal						
How she	v many electrons are in the outer II?	1 electron in the outer shell						
How	v reactive are they?	 Group 1 metals easily lose the electron on the outer shell. This makes group 1 elements very reactive Vigorous reactions with water 						
Wha	at ions do they form?	 Group 1 elements readily lose electrons to form positive ions This is so they can have a filled outer shell 						
	v does reactivity change down group?	Reactivity increases down the group						

F.	Group 0 of the Periodic Table – Helium, Neon, Argon, Krypton, Xenon, Radon						
Wha as?	t are group 0 elements known	The Noble Gases					
Meta	al or non-metal	Non-metal					
How shel	r many electrons are in the outer I?	8 - Filled outer shell (except Helium that has 2)					
How	reactive are they?	Filled outer shell so not very reactive					
	r do boiling points change down group?	Boiling point increases down the group as the atomic weight increases					

E. What is a Halogen Displacement reaction? A more reactive halogen can displace a less reactive halogen from an aqueous solution from its salt $Cl_2 + 2KBr \rightarrow 2KCl + Br_2$



E.	Group 7 of the Periodic Table			
What as?	t are group 7 elements known	Halogens		
How	are they found	Halogens travel in pairs – diatomic molecules (Cl ₂ , Br ₂)		
Meta	l or non-metal	Non-metal		
How shell	many electrons are in the outer ?	7 electrons in the outer shell		
How	reactive are they?	 Group 7 elements easily gain electrons This makes group 7 elements very reactive 		
What	t ions do they form?	 Group 7 elements readily gain electrons to form negative ions. This is so they can have a filled outer shell 		
-	does reactivity change down roup	Reactivity decreases down the group		
	do boiling points change down roup?	As you go down the group, the boiling point increases as the atomic weigh increases		

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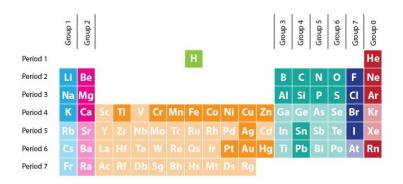
D Group 1 of the Periodic Table -					
What are group 1 elements known as?					
Metal or non-metal					
How many electrons are in the outer shell?					
How reactive are they?					
What ions do they form?					
How does reactivity change down the group?					

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F.	Group 0 of the Periodic Table – Helium, Neon, Argon, Krypton, Xenon, Radon					
Wha as?	t are group 0 elements known					
Meta	al or non-metal					
How shel	many electrons are in the outer I?					
How	reactive are they?					
	r do boiling points change down group?					

E. What is a Halogen Displacement reaction
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E.	Group 7 of the Periodic Table	
с.	Group / of the Periodic Table	
What as?	are group 7 elements known	
How	are they found	
Meta	or non-metal	
How shell	many electrons are in the outer ?	
How	reactive are they?	
What	ions do they form?	
How the g	does reactivity change down roup	
	do boiling points change down roup?	

Vo	то		D.	Example of Tectonic Hazar	d HIC: Chil	e		E.	Example of Tectonic Hazard LIC: Nepal			
<u>19-</u>	<u>T2 -</u>			27 February 2010				Date	25 April 2015			
Α.	Backgr	ound:	Magnitude	8.8			Magnitude	7.9				
1.	Natural H	lazard is a threat to people and property	No. Dead	521				No. Dead	521			
2.		sk is the probability (chance) that a azard occurs.	Epicentre	Off the coast of Chile				Epicentre	80km from the capital city Kathmandu			
3.	Earthqua	kes and volcanoes are distributed in	Causes	Destructive plate: South Amer	ican (contin	nental) &	Nazca	Causes	Destructive plate: Indo-Australian plate colliding with the			
		elts across the world. They are mostly		Plate (oceanic)					Eurasian plate			
		ng plate margins , for example the Pacific	Primary	- 500 dead				Primary	- 9000 dead			
		<u>e</u> is a circle of volcanoes and earthquakes ounds the Pacific ocean.	effects	- 12,000 injured				effects	- 20,000 injured			
4.		s are also found in hotspots across the		- 500,000 homes damaged					- 3 million made homeless			
4.		ese are areas where the crust of the earth		 Santiago airport slightly da 	maged				- Electricity, water supplies and communications			
		thinner, allowing <u>magma</u> to rise to the		 Several bridges and roads 	-	nd a hosp	ital		affected			
	surface.	thinner, anothing <u>magnic</u> to fise to the	Secondary	 Much of Chile lost power, 		i			- 7000 schools destroyed, 50% of shops destroyed			
5.		ve in areas at risk of tectonic hazards as	effects	communication cut off				Secondary	 Landslides and avalanches that blocked roads 			
		benefits such as geothermal power and	circeto	 Tsunami warning 				effects	- Avalanches on Mount Everest killed at least 19 people			
	fertile so	ils around volcanoes, examples of this are		 A fire in a chemical plant > 	evacuation			cheets	- Landslides blocked the Kali Gandaki River causing			
	<u>lceland</u> . I	People in poverty also live in hazardous		- Copper mines suffered damage (Copper crucial to					-			
	<u>areas</u> as t	hey cannot afford to move out		••	ed damage (Copper crucial to				flooding North of Kathmandu			
В.	What hap	pens at plate margins?	Short term	economy) - After day Ten 90% houses	had nower	back roa	ds auickly	Short term	Search and rescue teams			
Destru	uctive	At destructive plate boundaries , two plates	responses	fixed	nuu power	buck, rou	asquickiy	responses	- Emergency food and water/aid from the UK			
	margin	move towards each other, the denser oceanic	responses	 Temporary repairs to mair 	roads			responses	Emergency rood and watery and norm the ork			
		plate is forced under the less dense continental			TUdus							
		plate in a process called subduction	Long-term	 One month later houses re 	ebuilding pla	an, due to	o the strong	Long-term	 7000 schools to be rebuilt or repaired 			
			responses	economy, it recovered and	l rebuilt wit	hout aid.		responses	- Stricter controls on building codes			
	ructive	At constructive plate boundaries, two			-							
plate r	margin	plates are moving away from each other			F.	How d	o we manag	ge tectonic h	azards?			
	ervative margin	At conservative plate margins, two plates are moving past each other . The plates	C Whath margin	appens at plate	Monitorin	g			s of volcanoes swell, change shape and size, heat melts snow,			
	J	get stuck which builds up pressure. The					rocksfractu	ire, earthquak	es. Monitored through seismographs, and tiltmeters (shape).			
		sudden release of this <u>pressure</u> causes <u>violent</u> earthquakes.	<u>Hazard</u> risk	How likely you are to be harmed Prediction Based on sc			Based on so	cientific monito	oring as a bove.			
		·						can be done. However, you can create earth embankments or explosives to divert				
Subdu Subdu	uction/ uction	To go undemeath. / the point at which the oceanic plate sinks beneath the continental	Hazardou	Indou Dangerous or a risk to			lava away from property.					
Zone		one at a destructive/ subductive plate margin.	<u>S</u>				When mad	en machines begin to do the work which humans once completed.				
		maight.			Prepared	ness	How ready	you are for a	a situation			

VQ-	T2 -	D.	Example of Tectonic Hazar	d HIC: Chile	9			Example of Tectonic Hazard LIC: Nepal
		Date					Date	
Α.	Background:	Magnitude					Magnitude	
1.	Natural Hazard is a threat to people and property	No. Dead					No. Dead	
2.	Hazard risk is the probability (chance) that a natural hazard occurs.	Epicentre					Epicentre	
3.	Earthquakes and <u>volcanoes</u> are <u>distributed</u> in narrow belts across the world. They are mostly	Causes					Causes	
4.	found along <u>plate margins</u> , for example the <u>Pacific</u> <u>ring of fire</u> is a circle of volcanoes and earthquakes that surrounds the Pacific ocean. <u>Volcanoes</u> are also found in <u>hotspots</u> across the world. These are areas where the crust of the earth is slightly thinner, allowing <u>magma</u> to rise to the	Primary effects					Primary effects	
5.	surface. People live in areas at risk of <u>tectonic hazards</u> as they hold benefits such as <u>geothermal power</u> and <u>fertile soils</u> around volcanoes, examples of this are <u>Iceland</u> . People in poverty also live in <u>hazardous</u> <u>areas</u> as they cannot afford to move out	Secondary effects					Secondary effects	
В.	What happens at plate margins?	Short term					Short term	
Destru plate r	nctive nargin	responses					responses	
		Long-term					Long-term	
	ructive	responses					responses	
-	nargin			F.	How do	o we manag	e tectonic ha	azards?
	nargin	C What I margin	happens at plate ns?	Monitorin	g			
		<u>Hazard</u> <u>risk</u>		Prediction	n			
Subdu				Protection	n			
Subdu Zone	Inction	<u>Hazardou</u> <u>s</u>		Planning				
		-		_				
				Prepared	ness			





What we are le	earning this term:				B. Key People		
	t the cause of disease and illness	Hippocrates	Galen		Physicians, apothecaries and surgeons		Hospitals
	 a to treatment and prevention in the Black Death 1 348-49 Can you define these key words? Bad air that was believed to be filled with harmful fumes. Separating the sick from the healthy to stop the spread of a disease. The humours were four fluids that were thought to spread throughout the body and influence its health. To get rid of anything unwanted. The drawing of blood by opening a vein. a painful skin disease 	'Father of Medicine' – 4 humours, clinical observation (watch and record details, use this to help with future cases), importance of exercise, Hippocratic Oath for doctors (to preserve life)	Built on Hippocrates' ideas – theory of opposites (if cold, give something hot), also dissected animals to find out about anatomy (structure of body). Proved brain, not the heart, controls the body	t L L L L L L L L L L L L L L L L L L L	Physicians – diagnosed + recommended treatment, trained at university for around 7 Did not get to see dissections so new little al body. Learned everything from Galen's book Dnly for super rich Apothecaries – mixed herbal remedies (joine guild, worked for master to train). Surgeons – least qualified, also cut hair. Lear on job and only performed minor, on-invasiv surgeries Monks and nuns – worked in hospitals most orayed for patients and gave comfort. Not al to cut or bleed patients so could not do surg Housewives and mothers – treated most per Mixed herbal remedies and treated minor w	is. ed a med ve lowed ery ople.	 Ran by monks and nuns Offered patients shelter, beds, food and very limited treatment. Treatments mostly religious based – praying Patients would offer share beds which led to allot of diseases spreading around the hospitals
Prevention	To stop something from happening	C. What were the cause	s of disease in Medieval En	gland?			
Treatment	giving medicine or using other means to help a person get better when sick or hurt	Causes			Prevention	Treatments	
Apothecary	A person who mixes herbal remedies and treated patients as an alternative to a doctor as they were cheaper.	as punishment for sins. E	from God God has sent an i ispecially true at times of pa		Religious - Church – Lead a life free of sin.	Religious – Healing prayers and incantations	
Barber surgeon	barbers and surgeons who also performed minor operations such as removal of warts .	such as the Black Death.			Regular prayers and confessions. Offering tithes to the church to make	Paying for a special mass to be said	
D.	Dealing with the Black Death				sure sins were forgiven quickly.	Fasting	
What is the Black Death?	 Bubonic plague – outbreak in 1348-9 – 1/3rd to 1 / 2 of the population died in England. Caused by bacteria Yersinia pestis that was thought to have originated in China and came to Britain on fleas, on rats on ships. 	thought to come from sw period there was allot of open sewers in the stree	had breathed in bad air. Th vamps or rubbish. During th animal much in towns and ts meaning the whole place	nis often e stank.	Rational and religious - Regimen Sanitatis – A set of instructions provided by physicians to maintain good health.	Pilgrimages Supernatural - Astrology – Treatments varied according the the horoscope of the patient. The alignment of the planets	
Causes	Miasma – bad air from the filthy conditions making you ill. Astrology – there was a weird alinement of	In these fifthy places dise proving this theory	ease was more common see	emingly	Bathing was also used to prevent miasma.	the tre	ecked at every stage of eatment prescribed eg athering.
	Jupiter, mars and Satum the previous year which was blamed for the plague Punishment from God- = People thought that society had become wicked so God had sent the plague to punish them.	Rational - The Theory of the Four Humors – The 4 liquids in your body (blood, yellow bile, black bile, phlegm) were seen to be out of balance making you ill. Recovery came from getting them back in to balance through the theory of			Rational - Diet – Eating to much was strongly discouraged. What and when you ate were considered to be important in preventing a humoural imbalance.	– Blood could b by rem	al - Humoral Treatments d letting – Bad humours be removed from the body hoving some of the blood.
Treatments	Confesses sins and pray, bleeding and purging (but seemed to make worse), sweet herbs or fire to clean air.	opposites Created in ancient Greece by Hippocrates.				Purging – Purging the digestive system to remove any leftover food. Eg using a laxative.	
Prevention	Pray and fast, leave the area, carry sweet herbs, quarantine (new people stay away for 40 days), clean streets (or don't, maybe bad smell will drive out miasma)	Supernatural - Astrology – Impact of the stars and planets on health. Physicians would use star charts to examine a patient and work out what was wrong with them.			Rational - Purifying the air –This was achieved by spreading sweet herbs.	Using	al - Herbal remedies – nerbal infusions to drink, r bathe in.





What we are lear	rning this term:			B. Key People		
1.2 Approache	it the cause of disease and illness is to treatment and prevention h the Black Death 1 348-49	Hippocrates	Galen	Physicians, apothecaries and sur	geons	Hospitals
A.	Can you define these key words?					
Miasma						
Quarantine						
Humours						
Purging						
Phlebotmey						
Leprosy						
Prevention		C. What were the causes	of disease in Medieval Englar	nd?		
Treatment		<u>Causes</u>		Prevention	Treat	ments
Apothecary						
Barber surgeon						
D.	Dealing with the Black Death	"				
What is the Black Death?						
Causes						
Treatments						
Prevention						

Year 9	Relig	ious Education: Buddhism	В.	The Buddha and Enlightenment					
Α.	Can	you define these key words?	Religion in	F	linduism was the most co	nmon religion – Hinduism and Buddhism have c	ommon origins and have lots of		
Key word	d	Key definition	India	s	imilarities. Hinduism, Bud	dhism and Sikhism are known as Dharmic religio	ns		
Ascetic		Characterized by severe self-discipline and avoiding all forms of indulgence, typically for religious reasons	Caste syste	P	Determined at birth and channels them into the caste's occupation, their place in society, who they can marry People don't do jobs which don't fit their caste and the lowest caste is treated badly by others				
Enlighten nt		Understanding and accepting the truth about life and suffering and entering the state of pure happiness	The Buddha early childhood	a	ind leaders	n a palace - family belonged o the Kshatriya cast his father as a local ruler but a seer predicted he			
Caste		A Hindu social order of higher and lower class	Religious quest		_	nich changed his perspective - old man, a sick pe er needed to live a luxury life but wanted to live			
Imperman e		The state of fact of lasting for only a limited period of time	The middle way		he Buddha experienced w Inlightenment	ealth and poverty but didn't get satisfaction so l	he meditated until he achieved		
Craving		A powerful desire for something	C.		Three Marks of Exister	nce (Universal Truths)			
Karma		The force produced by a person's actions in one life that influences what happens to them in future lives	Annica (Impermane	ence)		y changing – nothing is fixed & Everything deper	nds on conditions which can also		
Samsara		The cycle of birth, death and rebirth to which life in the material world is bound	Anatta (No s	soul)	No permanent identity/no separate self As conditions change, people change too e.g. our personality and the way that we act - Nothing has a fixed or permanent nature so there is no soul which is eternal				
Cessatior	n	Ending something or being brought to an end	Dukkha (dissatisfact	tion)	If life is always changing, all that we know will eventually stop existing -Even if we escape illness, we will one day face death				
Puja		Ceremonies that involve meditation, prayer and offerings			The world is unsatisfact	tory because every time you gain happiness, thir	ngs change again		
Meditatio	n		D.	<u>Karm</u>	<u>a and rebirth</u>				
Weditatio	11	Thinking quietly as a way to calm the mind	Karma		-	they will get good karma - You can be free from ened in the past, accept it and understand it	the negative effects of negative		
			Samsara	When	someone dies, their ener	gy passes into another form which depends on t	heir actions in their past life		
E.	Four	noble truths			ycle ends when they achie				
Dukkh	Thoro	is suffering as a part of life because of	F.		Puja and meditation				
a		e is suffering as a part of life because of ess or frustration and unhappiness with life	Samatha meditation		-	e mind by concentrating on breathing and to con to aid meditation e.g. a coloured desk	ncentrate at a deeper level		
Tanha		ng for more because everything is antly changing	Vipassana meditation		Gaining insight j to true	truth about reality and develop wisdom so they reality by reflecting on the teachings of the Budd tting position with legs crossed	-		
Niroda	Cessa	tion – to stop suffering you need to stop							
	cravin	ng more and more things			G. <u>Ethical way of living</u>				
Magga		Aiddle Way – set out in the form of a path	Abstain fron living things		life (don't harm or kill	Abstain from misusing senses (no over indulgence)	Abstain from taking drugs and alcohol which cloud the mind and		
	of eig life	ht steps – these are 8 features of Buddhist		n from taking what is not freely given at stealing and exploiting people)		Abstain from wrong speech (lying, slander, gossip, harsh speech and idle chatter)	could also include not playing video games or forms of work which numb the mind		

Year 9	Religious Education: Buddhism	В.	1	The Buddha and Enlightenment					
Α.	Can you define these key words?	Religion in							
Key word	Key definition	India							
Ascetic		Caste syste	m						
Enlighten nt	me	The Buddha early childhood	a's						
Caste		Religious							
Imperman e	enc	quest The middle							
Craving		way							
Karma		C.	B	Three Marks of Existen	nce (Universal Truths)				
		Annica							
Samsara		(Impermane							
Cessatior		Anatta (No s	soui)						
Cessalio		Dukkha							
Puja		(dissatisfact	ion)						
Meditatio	n	D.	<u>Karm</u>	a and rebirth					
		Karma							
		Samsara							
E.	Four noble truths								
Dukkh		- F.		Puja and meditation					
а		Samatha meditation							
Tanha		Vipassana meditation							
Niroda		<u> </u>							
Niroda				G.	Ethical way of living				
Magga		Abstain fron living things		life (don't harm or kill					
		Abstain fron (against ste	n taking aling an	what is not freely given d exploiting people)					

GCSE Unit 4 SPANIS	Key Verbs						
Topic Custo	oms and Festivals	<u>Celebrar</u>	lr	<u>Disfrutar</u>		Hacer –	<u>Disfrazar</u>
What we are learning this term:	4.1F Algunas costumbres regionales	To celebrate	<u>To go</u>	<u>To enjoy</u>		to do/make	To dress up
A. Learning about Spanish life and routinesB. Learning about local customs	la actuación performance agradable pleasant el ambiente atmosphere	Celebro I celebrate	Voy I go	Disfruto I enjoy		Hago I do	Disfrazo I dress up
C. Talking about a Spanish festival D. Learning about Latin American culture E. Skim reading for key information	antiguo/a old la batalla battle	Celebras You celebrate	Vas You go	Disfrutas You enjoy		Haces You do	Disfrazas You dress up
F. Using past expressions of time	el caballo horse la camisa shirt el concurso competition	Celebra – he/she celebrates	Va s/he goes	Disfruta He/she enjoy	'S	Hace s/he does	Disfraza He/she dresses up
6 Key Words for this term	conmemorar to commemorate	Celebramos	Vamos	Disfrutamos		Hacemos	Disfrazamos
1.divertirse4. el desfile2.hispánico5. celebrarse	correr to run la costumbre custom	We celebrate	They go	We enjoy		We do	We dress up
3. el turismo 6. los antepasados	demasiadotoo much, too manyel desfileparade, procession	Celebran They celebrate	Van They go	Disfrutan They enjoy		Hacen They do	Disfrazan They dress up
4.1G La vida en familia	el diablo devil divertirse to enjoy oneself	4.2G Las fiestas	de España – la	Tomatina		4.2F Las fiestas	del mundo hispano
a media mañanaat mid-momingacostarseto go to bedel bollobunla cenaevening mealcogerto catchla comidafood, meal, lunchel desayunobreakfastla dietadietla lechemilklevantarseto get upligero/alightparticiparto try, to try outel recreobreaksaludablehealthyla sobremesasitting chatting at the tableafter a mealel trabajadorworkerla tradicióntraquilamentecalmlyel vasoglass	emocionanteexcitingemocionanteexcitingel encierrobull runencontrarto findenormeenormousentenderto understandentrenarseto trainel espectáculoshow, displayextraño/astrangefatalawfulformarto formhistóricohistorichumanohumanimpressionanteimpressiveincómodo/auncomfortablellevarto wear, take, carryel MediterráneoMediterraneanel/la moro/aMoor (historically aperson from North Africa)nadienadieno onenaturalel origenoriginpasarlo bienel peligrodanger	al final americano/a australiano/a británico/a el camión la camiseta el camaval divertirse duchar empezar la entrada la foto la gente hace (+ tiempo) japonés/esa limitar limpiar llegar la manguera mojado/a el montón la plaza mayor	at the end American Australian British lorry T-shirt carnival to enjoy ones to shower to start (entry) ticket photo people (time) ago Japanese to limit to clean to arrive hose, hosepij wet, soaked heap, pile the main squa	pe	el alt los a apare el az la ca celet el ce cerca la ciu come desc el de el dia disfra en ho ence el es el es	ar ntepasados ecer úcar lavera porarse menterio a de udad enzar oletamente ribir sfile ablo azado onor a ndido/a queleto taño amiliares pso/a r	altar, shrine ancestors to appear sugar skull to be held cemetery close to, near to city, town to start completely to describe parade devil dressed up, disguised in honour of lit skeleton tin family members famous flower
4.1H ¿Cambian las costumbres?	peligroso/a dangerous por encima de over	primero/a pronto	first soon		hispá Span	ánico ìish speaking w	Hispanic (i.e. of the orld)
acostarseto go to bedcerrarseto closecogerto catchcorto/ashortempezarto starthace calorit is hotlevantarseto get upel maridohusbandla mayoríamajority	precioso/a beautiful el producto product saltar to jump la seguridad safety, security la suerte luck el toro bull la torre tower el traje suit, costume único/a only, unique	rojo/a sucio/a típico/a tirar todo el mundo el tomate el turismo varios/as el/la visitante	red dirty typical to throw everyone, eve tomato tourism several visitor	erybody	el mo Mexi la mo muer la no el nú la pla	minero/a ble can chocolate s ontaña to to rmalidad mero ata	mountain dead normality number silver
el ordenador computer	varios/as several vestirse (de) to dress (in)	el/la voluntario/a volver	volunteer to return, to g	jo back	prote el pu	0	to protect village, (small) town

GCSE Unit 4 SPAN	Key Verbs					
What we are learning this term:	toms and Festivals 4.1F Algunas costumbres regionales	To celebrate	To go	To enjoy	<u>Hacer –</u> to do/make	Disfrazar To dress up
A. Learning about Spanish life and routines B. Learning about local customs	performance pleasant	l celebrate	Voy I go	Disfruto	Hago	Disfrazo
C. Talking about a Spanish festivalD. Learning about Latin American cultureE. Skim reading for key information	el ambiente antiguo/a battle el horse	Celebras You	You go	You enjoy	You do	You dress up
F. Using past expressions of time6 Key Words for this term	la camisa el competition	Celebra – he/she celebrates	s/he goes	Disfruta He/she enjoys	Hace	Disfraza He/she dresses up
1. divertirse 4. el desfile 2. hispánico 5. celebrarse	conmemorar to correr la custom	We celebrate	Vamos	Disfrutamos We enjoy	We do	Disfrazamos
3. el turismo 6. los antepasados 4.1G La vida en familia	too much, too many parade, procession	Celebran	They go	They enjoy	They do	They dress up
a media mañana	el diablo divertirse to	4.2G Las fiestas	de España – la	Tomatina	4.2F Las fiestas	s del mundo hispano
acostarse el bollo	emocionante el encierro to find	al final	American		los antepasados	altar, shrine
la cena to catch food, meal, lunch breakfast la dieta la leche	enormous to understand entrenarse el espectáculo extraño/a awful	australiano/a la camiseta el camaval	British lorry to enjoy ones		aparecer el azúcar la el	skull to be held cemetery close to, near to
to get up light to participate, to take part to try, to try out el recreo	histórico humano impressive uncomfortable	empezar la la gente	to shower to (entry) ticket photo		la ciudad comenzar completamente el	to describe parade
saludable la sobremesa after a meal el trabajador la tradición	Ilevar to el Mediterráneo	hace (+ tiempo)	Japanese to limit to clean		el en honor a encendido/a el esqueleto	devil dressed up, disguised
to bring calmly glass	natural origin	la manguera mojado/a	heap, pile		el estaño los familiares	famous
4.1H ¿Cambian las costumbres?	pasarlo bien el peligro peligroso/a over	pronto	the main squa first	are	la flor Spanish speaking v	Hispanic (i.e. of the
to go to bed to close coger	beautiful product to jump la safety, security la suerte el toro	rojo/a sucio/a todo el mundo el tomate el turismo	typical to throw		la mina el/la minero/a Mexican chocolate la montaña muerto la normalidad	
el marido la mayoría computer	suit, costume only, unique varios/as vestirse (de)	el/la visitante	volunteer to return, to g	jo back, to	el la el pueblo	number silver to protect



GCSE Unit 4 SPANISH Knowledge organiser. Topic Customs and Festivals

i 1

	blue F – orange H - Green	Key Question	s: Answer the following in your own words. Use these model answers
Normalmente cereals Ayer una manzana	Normally for breakfast we have Yesterday I ate an apple	Describe una fiesta popular en España	Agosto en Buñol cerca de Valencia. Durante la fiesta, la gente tira tomates, hay desfiles y bailes, se puede comer comida tradicional, la gente lleva disfraces. Después de la fiesta las calles están llenas de tomates. Es mi fiesta española favorita porque
Carmen de casa a las ocho	Carmen leaves the house at 8.00	Describe una fiesta popular en	es muy entretenida y cómica. En Inglaterra celebramos la fiesta de Fuegos artificiales. Cada 5 de noviembre,
familia de mi amigo	This afternoon I chatted with my friend's family Many times they don't	tu país	celebramos el día de Guy Fawkes. Durante la noche, la gente va a parques o el centro de la ciudad y hay muchos fuegos artificiales. Celebra la noche cuando GuyFawkes intentó poner fuego al gobierno de Inglaterra. Es muy entretenida y
	drink anything		cómica.
	We don't speak a lot Last year I visited	Describe tu experiencia la última vez que fuiste a una fiesta en tu país	La última vez que fui a una fiesta en Inglaterra fue muy entretenida y cómica. Fue en Noviembre cuando celebramos la fiesta de Guy Fawkes. Fuimos en el centro de la ciudad o el parque para ver muchos fuegos artificiales. Fue muy entretenido, porque comí algodón de azúcar y pasé la noche con mis amigos.
	Pamplona	¿Qué diferencias notas entre la	
El es una tradición extraña	The bull run is a strange tradition	vida española y la vida de tu propio país?	mediterránea, la gente come muchas frutas, verduras, mucho pescado y aceite de oliva. En Inglaterra comemos más patatas fritas y más carne y menos frutas y verduras. En Inglaterra los jóvenes suelen llevar uniforme para ir al colegio pero en
Fue muy	It was very exciting		España los jóvenes no llevan uniforme. ¡Qué bueno! También, en España los jóvenes de 17 o 18 años no suelen emborracharse durante el fin de semana pero en Inglaterra hay más problemas con los jóvenes y el alcohol.
dos años fuimos a Burgos	2 years ago we went to Burgos		inglaterra nay mas problemas com los jovenes y er alconol.
Ayer fuimos a ver el	Yesterday we went to see the procession		
El pueblo interesante	The town was interesting		
	We saw a very interesting competition		Key Grammar
¿Qué?	What did you do ?	Forming the preterite (past tense). Always remove the –AR, -ER, -IR endings	Remember the preterite (past) tense endings for –AR, -ER, -IR verbs. They are: -AR: -é, -aste,-ó, -amos, -astéis, -aron
Hoy me muy temprano	Today I got up very early	first	-ER: -í, -íste, -ió, -imos, -istéis, - ieron -IR : -í, -iste, -ió, -imos, -istéis, - ieron
Compré para mi familia.	I bought presents for my family	Imperfect Tense (Past, ongoing actions, descriptions,	-ar -aba, -abas, -aba, -ábamos, - abais, -aban
La fue que 	The disadvantage was that	'used to' or 'was doing')	-er and –ir -ía, -ías, -ía, -íamos, - íais, -ían
mucha basura.	There was a lot of rubbish.	Using the immediate future tense IR + A + INFINITIVE	Voy a casarme = I'm going to get married Va a discutir con su padre = He / She is going to argue with his/her father

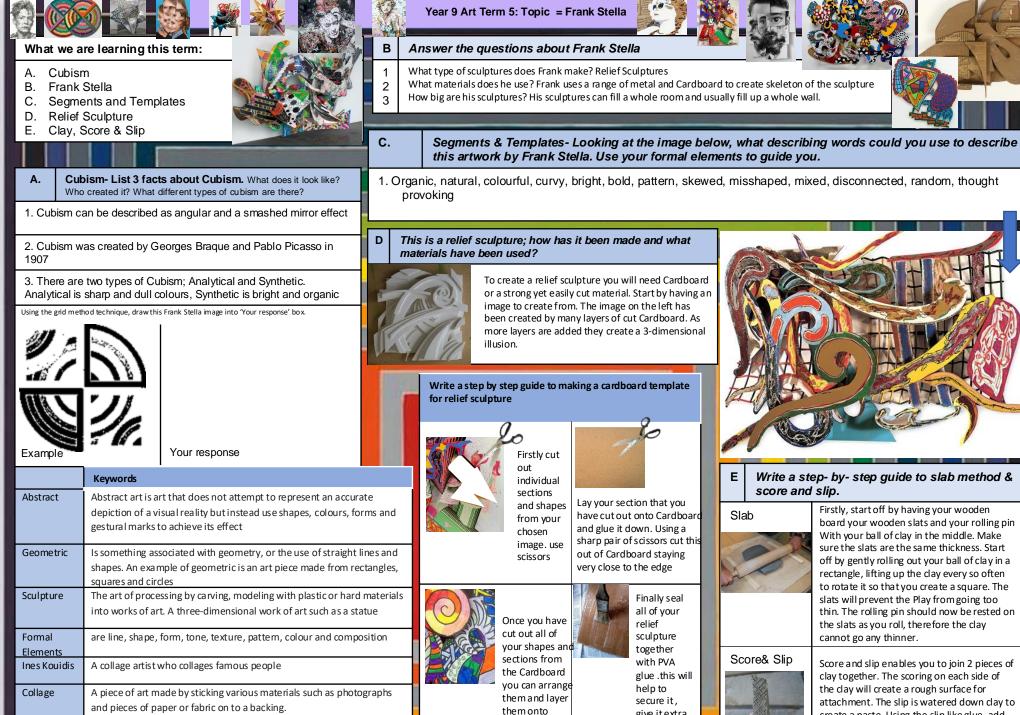


А	Passwords and Shortcuts	В	Excel Cell References		D Excel Absolute Cell References			
A feature of	f a strong password has	What is the cell reference for the following				are absolute cell ences used?	To stop a cell reference from being modified automatically	
1	10 to 15 characters		B2					
2	Special characters	1	A B			t is the absolute	\$A\$3	
3	Upper- and lower-case letters	23			follo	eference for the wing		
4	Numbers	- 4	A3:C3					
5	NO patterns or sequences	1	A B C		1 2	A B C		
6	Only been used for one website/account	2 3 4			3 4	ao you aupiicate	1. Right click the sheet we want	
7	NO obvious letter substitutions (for example, 'E' replaced by 3)	5 1 2 3 4	A B C A2,A4,C1			cisting sheet?	 to copy. Select 'move or copy'. Select 'create a copy'. Choose where you want the copy to 	
8	NO personal information	4	A B C A4.D4		30	Sheet1 +	be placed. 5. Press 'OK'.	
9	To be memorable	1 2 3	A B C A1:B4		Haw	da	=Sheet Name!Cell Reference	
What do th	e following shortcuts do?	4				doyou reference lin a different t	For example, cell H3 in Sheet5	
Ctrl-C	Сору	С	Excel Formulae				Would be referenced as =Sheet5!H3	
Ctrl-V	Paste	What	is the Excel formula for		E	Excel Tools	=5166(5)(15	
Ctrl-X	Cut	1	2.3 5.7 1.1 4.01 6.3 8.73	Adding cells B1 and C2 =B1+C2	What	do the following butto	ons in Excel do?	
Ctrl-Z	Undo	3	4.01 0.3 8.73 -5 0.004 12.7	Subtracting cell A1 from cell A3	<u>r</u> ~	Accounting Nur currency, £, \$, a	nber Format (format the cell in a	
Ctrl-A	Select all			=A3-A1	_ В	Bold (make text		
Ctrl-S	Save	Findin B2 an	ig the mean of cells: A1, A2, A3, B1, d B3	Multiplying cells B3 and C1 =B3*C1			: DOIQ)	
F2	Rename (file/folder)	=AVE	RAGE(A1:B3)			Fill Colour (cha	nge the colour of selected cells)	
Ctlr-Shift-	N Create a new folder	B1, B2	g the maximum of cells: A1, A2, A3, 2, B3, C1, C2 and C3	Dividing cell A2 by cell B2 =A2*B2		✓ Borders (put an	outline around selected cells)	
Ctrl-P	Print	=MAX	((A1:C3)		ab c	Merge & Center	(combine multiple cells into one)	
Ctrl-B	Bold text		ig the product of cells: A1, A2, A3, 2 and C3	Raising A1 to the power of 7 =A1^7				
Ctrl-U	Underline text	=PRO	DUCT(A1:A3,C1:C3)			Wrap Text (mak	te the selected text fit in one cell)	



 ()

А	Passwords and Shortcuts	В	Excel Cell References		D	Excel Absolute Cell References	
A feature o	f a strong password has	What is the cell reference for the following			Why are absolute cell references used?		
1							
2			A B			t is the absolute	
3		1			follo	reference for the wing	
4		3					
5		A	ВС		1	A B C	
6		2			2 .3 4	xisting sheet?	
7		A 1 2 3	B C		28		
8		. 4			29 30		
9		A A	ВС		< >	Sheet1 (+)	
What do th	e following shortcuts do?	3 4 5			How a cel shee	do you reference I in a different t	
Ctrl-C		С	Excel Formulae				
Ctrl-V		What is	s the Excel formula for				
Ctrl-X		1	A B C	Adding cells B1 and C2	E	Excel Tools	
Ctrl-Z		2 3	4.01 6.3 8.73 -5 0.004 12.7		What	t do the following buttons in Excel do?	
Ctrl-A			<u> </u>	Subtracting cell A1 from cell A3	— В		
Ctrl-S		Finding B2 and	the mean of cells: A1, A2, A3, B1, B3	Multiplying cells B3 and C1	<₽.	v	
F2						*	
Ctlr-Shift-I	N	Finding B1, B2	the maximum of cells: A1, A2, A3, , B3, C1, C2 and C3	Dividing cell A2 by cell B2		*	
Ctrl-P					ab c		
Ctrl-B		Finding C1, C2	the product of cells: A1, A2, A3, and C3	Raising A1 to the power of 7	CP		
Ctrl-U							

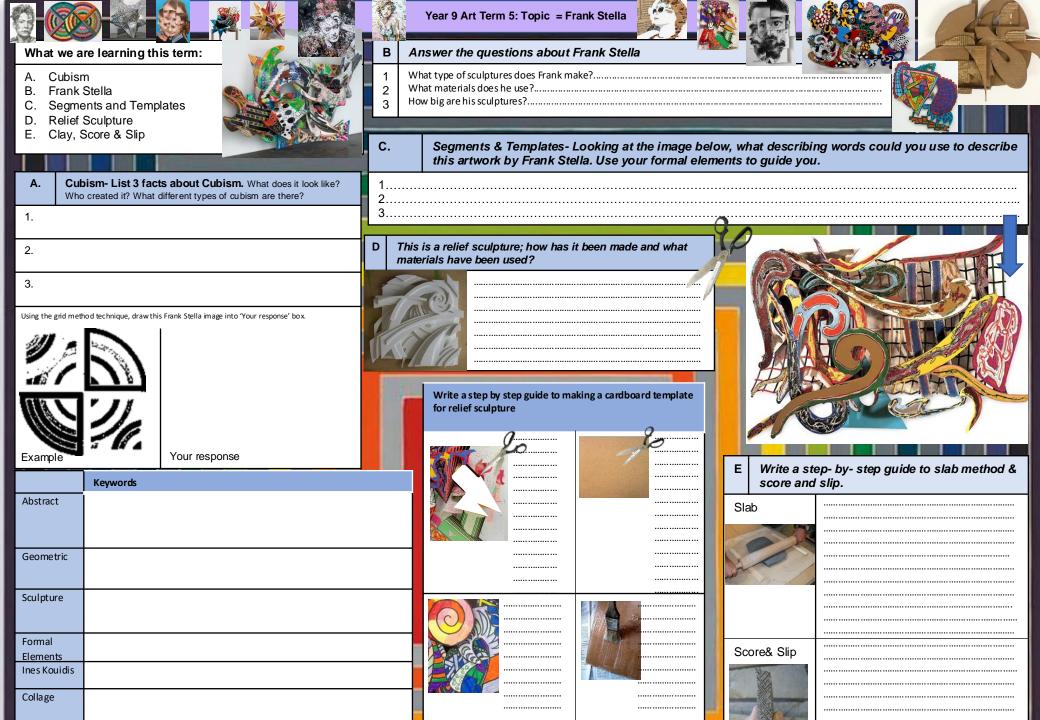


Write a step- by- step guide to slab method &

Firstly, start off by having your wooden

board your wooden slats and your rolling pin With your ball of clay in the middle. Make sure the slats are the same thickness. Start off by gently rolling out your ball of clay in a rectangle, lifting up the clay every so often to rotate it so that you create a square. The slats will prevent the Play from going too thin. The rolling pin should now be rested on the slats as you roll, therefore the clay cannot go any thinner.

Score and slip enables you to join 2 pieces of clay together. The scoring on each side of the clay will create a rough surface for attachment. The slip is watered down clay to create a pacto. Licing the clip like glue, add





Year 9 PRODUCT DESIGN Rotation Knowledge Organiser



What we are learning this term:						C. Key Words			
A. Workshop Tools B. Ma	aterials C. Key concepts	Prototy	An early model or sample of a product us to test a concept						
Steel Rule Tri-Square	Laser Cutter Mitre squa	uare Tenon Saw Pillar Drill Bandfacer				The margin of error allowed for a dimension without negatively impacting a product			
						A part on a tool which is used to help cut or drill a specific depth.			
B. Materials Timbers come from trees		C. Key concepts Designers research and investigate resources and materials to help inspire ideas.			ble	Creating a product by bringing several components together.			
	Scots pine – which you used for your box walls – is a softwood	Computer-aided design (CAD) is the process of using computer software to create 2D or 3D designs.			Evaluatio	n of Products			
		Advantages Disadvantages		Evaluate	e Ø	To judge and give an opinion.			
	Softwoods come in planks and boards	Designs can be created , saved and edited quickly, saving time		Designers will evaluate their products to see what works well and what doesn't. This way they can make any improvements on their current designs to ensure a high-quality product. When writing an evaluation it is important to include the following three things:					
Manufactured Boards come from	om wood pulp	Designs or parts of design can be easily viewed from Software can be very							
	Plywood – which you used as your base and Lid– is a	different angles, copied or repeated CAD is very accurate CAD files can become corrupted or lost							
	manufactured board								
	Manufactured Boards come in sheets				1. Positives – what works well				
~		 Hazards – these are something that could potentially harm you. There are many such as: Bags and chairs acting as a trip hazard 		 Negatives – what doesn't work well Possible improvements – how could you make it better? 					
Polymers come from crude oil		 Untucked shirts, baggy clothes and untied hair are common things to get caught on tools and machines. Drinks and liquids, if spilled can become slip hazards Preventative measures – rules put in place to minimize the likelihood of a hazard occurring. No food and drink in workshops Bags and chairs stored neatly in designated areas Long hair must be tied up and correct uniform worn. Personal protective equipment (PPE) The three used most often are aprons, safety goggles and ear defenders. 			For example:				
	Acrylic – which you used as your lid decoration for your trinket box – is a polymer Polymers come in sheets, graduals and filament				My trinket box is well constructed and uses bright colours to look appealing. However, under closer inspection, the paint is messy and overlaps in some places. One improvement I could make is by applying the paint with a smaller brush so that it is easier to				
					control and will make it look neater.				

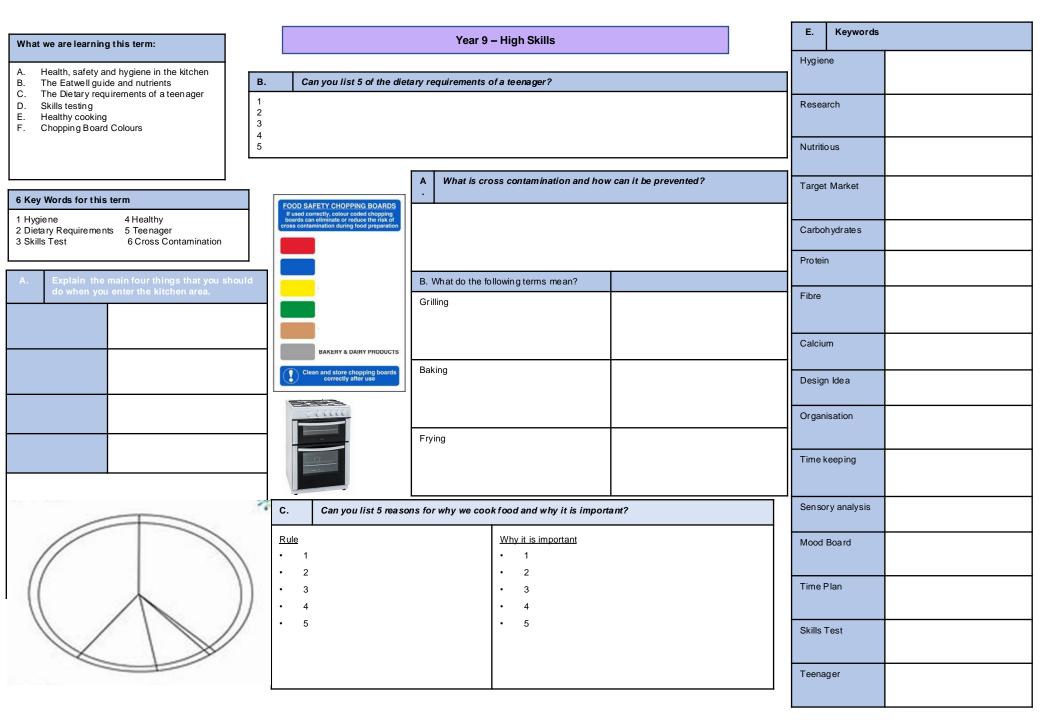


Year 9 PRODUCT DESIGN Rotation Knowledge Organiser



What we are learning this terr	n:	C. Key Word	ls	
A. Workshop Tools B. N	laterials C. Key concepts	Prototype		
A. Workshop Tools				
		×	Tolerance +	
			· -	
		Depth stop		
B. Materials		C. Key concepts	Assemble	
Timbers come from		Designers research and investigate		
	Scots pine – which you used for your box walls – is a softwood	(CAD) is the process of using computer	E. Evaluatio	on of Products
		Advantages Disadvantages	Evaluate	
	Softwoods come in		Think back to yo	ur completed Trinket box.
				sitive aspect of it, one negative aspect of it nent you would like to have made if you had
Manufactured Boards come			time.	
	Plywood – which you used		┨	
	as your base and Lid– is a manufactured board			
		Hazards – these are something that could potentially		
	Manufactured Boards come in	harm you. There are many such as:		
•				
Polymers come from				
	Acrylic – which you used as	Preventative measures - rules put in place to minimize	1	
	your lid decoration for your trinket box – is a polymer	the likelihood of a hazard occurring.	Possible sentend	
				was successful
	Polymers come in			I had issues with was
		Personal protective equipment (PPE) The three used most often are	.	me, I could improve this by

What we are learning this term:			Year 9 – H	igh Skills			E.	Keywords	
A. Health, safety and hygiene in th B. The Eatwell guide and nutrients	B. Can you	Can you list 5 of the dietary requirements of a teenager?				1	Hygien	e	A method of keeping yourself and equipment clean
C. The Dietary requirements of a t D. Skills testing E. Healthy cooking F. Chopping Board Colours	2 A diet high in cart 2 A diet with 2-3 po 3 A diet with 2 -3 so	bohydrate as a teenage btions of protein to main ources of calcium to bu	ntain muscle grov uild developing te	wth and cell repair eth and bones.			Resear	ch	Information that you find out to help you with a project
	4 A diet low in fat to 5 Drinking 2 litres o	o avoid be coming obese of water a day.	se or developing o	other health problems.			Nutritio	us	A meal that is healthy and contains vital nutrients.
6 Key Words for this term	FOOD SAFETY	CHOPPING BOARDS	What is cros	s contamination and ho	ow can it be prevented?		Target	Market	The age or type of person you re creating a product for.
1 Hygie ne 4 Healthy 2 Dietary Requirements 5 Teenager 3 Skills Test 6 Cross Co	cross contamination	eq v MEAT mi	Cross contamination happens when you use the wrong chopping board or equipment to prepare food which can therefore result in food poisoning. You must use the correct equipment for the correct ingredients. You must also ensure				Carbohydrates		Foods that give you energy
A. Explain the main four thin	gs that you should	W FISH B.	· · ·	s following good hygiene lowing terms mean?	practices when cooking.		Protein		Food that grow and repair your muscles
	harbour bacteria	COOKED MEATS SALAD & FRUIT PRODUCTS			Using the top part of the oven. involves a significant amount of direct, radiant heat, and tends t used for cooking meat and		Fibre		Foods that keep your digestive system healthy and avoid constipation.
Tie back your hair Hair could fal touch equipm	into the food or	KERY & DAIRY PRODUCTS			vegetables quickly. It is also a healthier method of cooking me products.		Calciun	n	Foods that make your teeth and bones strong
Wash your hands To remove a		s store chopping boards prrectly after use Ba	aking		Baking is a method of preparing food that uses dry heat, normal an oven. Heat is gradually		Design	ldea	A sketch or plan of how you are hoping a project to turn out.
water. nails.	u from the food and				transferred from the surface of cakes, cookies, and breads to t centre.	heir	Organis	sation	Having everything ready for a lesson and following instructions
	d the food from	Fr	rying		Frying is the cooking of food in another fat. It is usually done in frying pan using the hob of the cooker. It also known to be		Time ke	eeping	Using the time to remain organised.
Guió Eatwell	C. Ca	nn you list 5 reasons f	for why we cook	food and why it is imp	unhealthy ortant?		Sensor	y analysis	Use your senses to taste and describe a product
	Rule • 1 to ge	t rid of bacteria on the f	food	Why it is important • 1 to stop food poi	soning		Mood E	Board	A collage of photos and key words based on a project
	• 3 to ma	ake the food taste bette ake food chewable usure that food is not ray	 • 3 it could be raw or a choking hazar • 4 to stop food poisoning 		w or a choking hazard		Time Plan		Instructions of wat you are going to do and how long it should take.
Jet Con	· 5 to ad	ld colour to the food			more appetising or change its use		Skills Test		Demonstrating your knowledge of a cooking term.
We want the second seco							Teenag	jer	Someone between the age of 13 – 19.

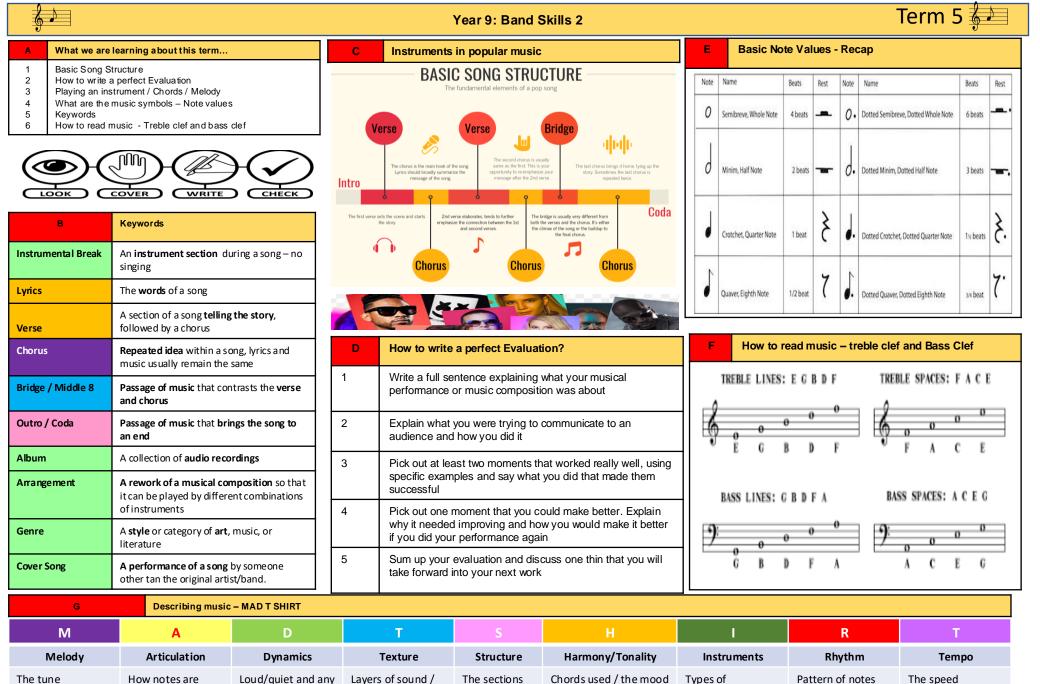


YEAR 9 GRAPHIC COMMUNICATION

What are w	ve learning t	his term?	D Key words					
A Logos	B Typography	C Computer skills	D Key words	E Evaluation	Merchandise	Branded products used to promote and sell a product		
A Logos			Combined Logo	A logo that uses both images and text				
What is a logo?	element that inclu	des words and im	Photoshop	A software for editing photos and graphics. It is used for image editing, making illustrations or web design.				
How does Alex Tro Alex Trochut collab	chut design logos? porates with brands he viewer first notice	to create new catc	Photo Editing	The act of image and enhancement and manipulation				
through typograph	у.		E Evaluation					
B Typography		CIC	omputer skills		Evaluation: To judge or give an opinion			
Draw your initials in the typographic style of designer Alex Trochut work			is the shortcut for C is the shortcut for V does this symbol Photoshop does this symbol Cropping	stand for?	 well and what de improvements of quality product. When writing a following three 1. Positives – w 2. Negatives – w 3. Possible impletter? For example: My tote bag look appeals to the a designed a com 	n evaluation it is important to include the things:		

YEAR 9 GRAPHIC COMMUNICATION

What are w	e learning tl	his term?	D Key words				
A Logos	B Typography	C Computer skills	D Key words	E Evaluation	Merchandise		
A Logos			Combined Logo				
What is a logo?					Photoshop		
How does Alex Troc	chut design logos?				Photo Editing		
					E Evaluation		
B Typography		C Co	mputer skills		Evaluation: To judge or give an opinion		
Please use pencil for	r the drawing of your o	design What i What i Ps	is the shortcut fo is the shortcut fo does this symbol does this symbol	r paste? I stand for?	When writing an evaluation it is important to inclusion following three things: 1. Positives – what works well 2. Negatives – what doesn't work well 3. Possible improvements – how could you make i better?		



and organising

instruments heard

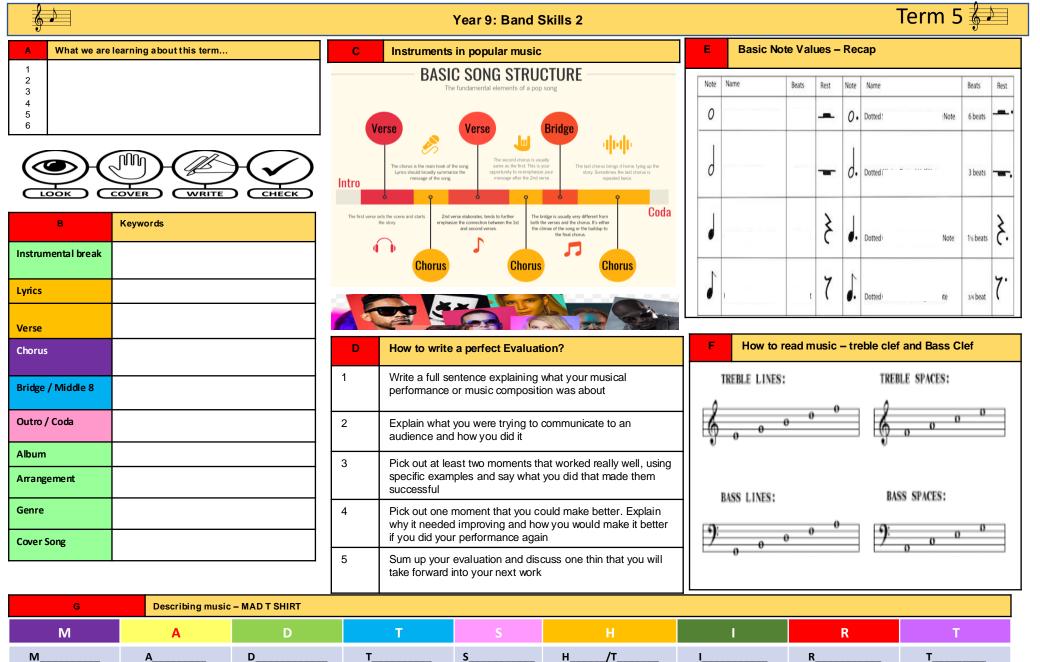
other volume

changes

how they fit

together

played



Drama – Year 9 Improvisation

Improvisation

improvising is inventing and creating content spontaneously. It's a great way to generate new ideas and for creating and developing characters, using a variety of useful techniques.

Spontaneous improvisation which is completely unplanned can generate dialogue or scenarios that you feel work for the piece you are creating. This can then be refined, rehearsed and included in your finished **devised** piece.

A **constraint** is a condition that you must apply to a scene, so that you're improvising within a set of rules. Here are some ideas for working with constraints when improvising.

Space

A very small space, such as a lift. Characters must behave as they would normally but within a tiny playing area.

A vast space, such as across a giant mountain range. Consider how changing **proximity** affects body language, vocal tone and volume and interaction, between characters. There may be something that works and could be included in your devised piece.





<u>Examples – Mock the Week, Whose Line Is it</u> Anyway? Outnumbered. The Office.

This improvisational exercise is excellent for creating entirely new and unplanned characters and scenarios.

Where, who, what?

Choose a location, eg a supermarket or a roller coaster. Select characters, eg an astronaut or an I.T. manager. Finally, choose a motivation for the character, eg they are looking for a partner or want to be famous at any cost. Each piece of information should be randomly selected, so that they don't necessarily match up. This can make for interesting and very humorous drama.

- Improvisational Theater (improv): is a form of theater where most or all of what is performed is created at the moment it is performed.
- In its purest form, the dialogue, the action, the story and the characters are created collaboratively by the players as the improvisation unfolds.
- Improv exists in performance as a range of styles of improvisational comedy as well as some non-comedic theatrical performances.
- It is sometimes used in film and television, both to develop characters and scripts and occasionally as part of the final product.



Tips for success

-Listen to your partner.

A scene will often 'go stale' if the people involved are not responding genuinely to each other. Improv is all about **teamwork** and the relationship you have with each other. The better the relationship, the better the scene will be to the audience.

-Use 'yes, and...".

When your partner tells you something in an improv scene, accept it and then add something to the conversation. If you're partner starts by asking you why you've come to a party dressed as a pineapple, don't tell them that you think they're seeing things. Ask them why they're the only one who hasn't come dressed as a giant piece of fruit and that you have a spare costume in your car if they need it. Scenes where actors deny what their partners are saying often go dry very quickly and offer nothing for the audience. It's also a good way to annoy your partners.

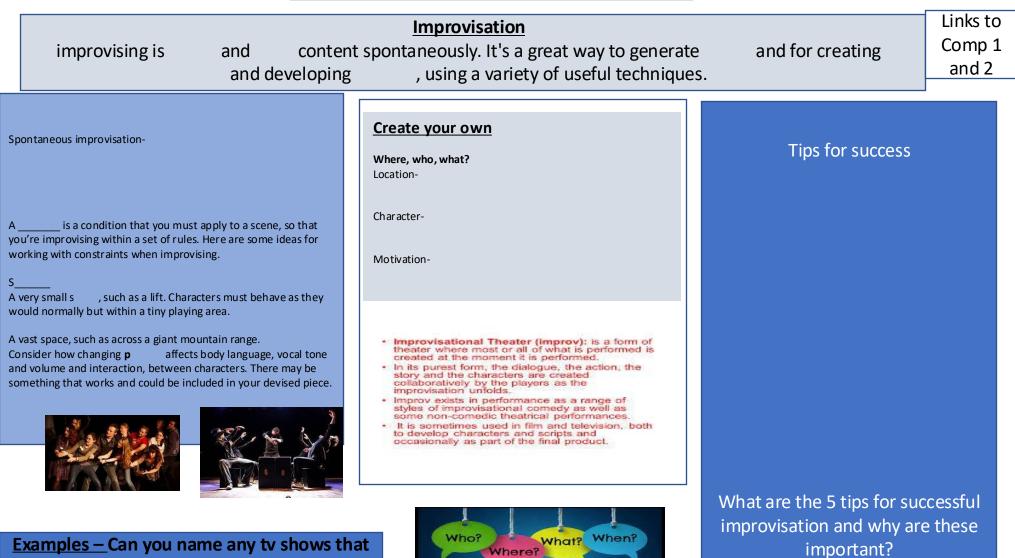
- Don't necessarily try to be funny.

Sure, comedy is great, but one person trying to make the audience laugh often alienates the others on stage. -Accept your mistakes.

Like any learning process, you will make mistakes. It's how you learn. Don't beat yourself up if you forgot a key rule of improv or your scene wasn't particularly good. Make some general notes for yourself and put it behind you. Next time you get up to improvise, treat it like a fresh start and be positive.

Links to Comp 1 and 2

Drama – Year 9 Improvisation



Improvisation Starters

are improvised?

