100% book - Year 9 Grammar

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



Term 4

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."



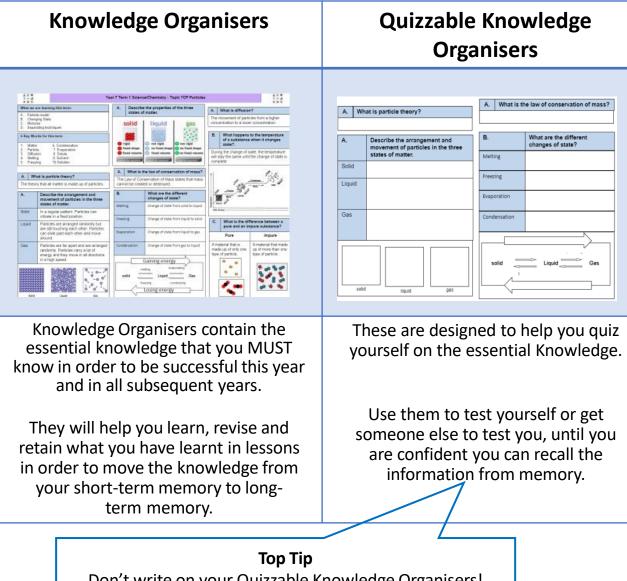








Using your Knowledge Organiser and Quizzable Knowledge Organiser

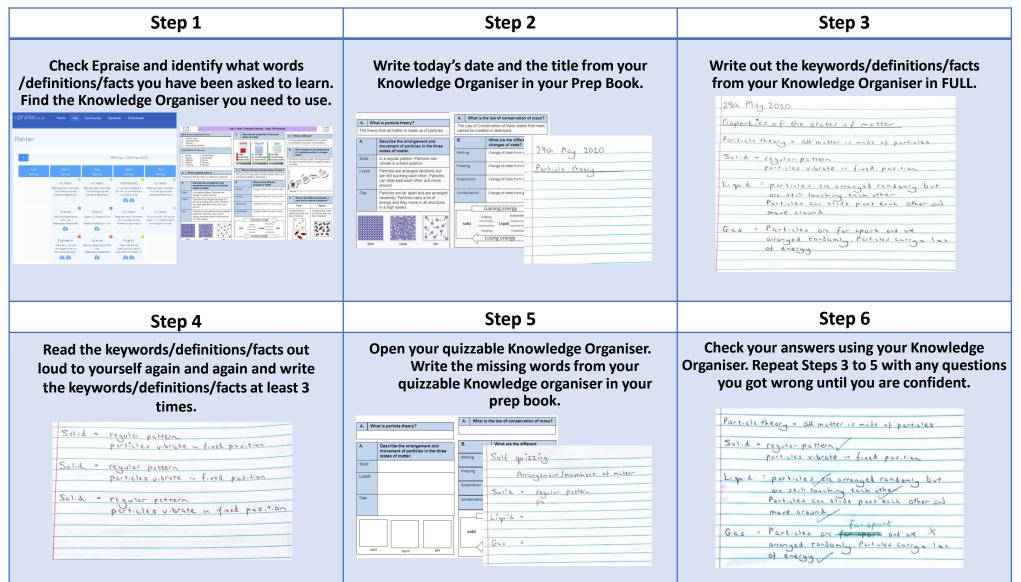


Don't write on your Quizzable Knowledge Organisers! Quiz yourself by writing the missing words in your prep book. That way you can quiz yourself again and again!

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.

Comparative Poetry: G Knowledge Organiser

		Compare		Poetry: G Knowledge Organiser					
Poem Journey Type									
	Physical j	ourney from Guyana to England	1.	'I leave me people, me land, me home / For reasons I not too sure	e'				
'Wherever I Hang'		eflection of the changes she has	2.	'And de people pouring from de underground system / Like bean					
Grace Nichols		her viewpoints			15				
		ey of letters across the country	3.	 'I don't know really where I belaang' 'This is the Night Mail crossing the border, / Bringing the cheque at 	nd the postal order'				
'The Night Mail'		ey of leffers across the coorning	2.						
W. H. Auden				'All Scotland waits for her: / In the dark glens, beside the pale-green sea lochs / Men long for news'					
			3.	'For who can bear to feel himself forgotten?'					
'Swing Low Sweet		ey of slaves to freedom	1.	'Swing low, sweet chariot, Coming for to carry me home'					
Chariot'	The journ	ey of Christians to heaven	2.	'Tell all my friends I'm coming too,					
Wallace Willis				Coming for to carry me home.'					
	Dilaviasas		3.	'But still my soul feels heavenly bound'					
'The Canterbury Tales'		e to Canterbury	1.	'pilgrims were they all / That toward Canterbury would ride'	h has pierced upto the reat?				
Geoffrey Chaucer	From the	city to the countryside	2. 3.	'When April with his showers sweet with fruit / The drought of Marc 'Of England they to Canterbury wend'	ch has pierced unio the root				
	Pilarimaa	e to Canterbury	1.	'On this Routemaster bus: get cerebral/Tabard Inn to Canterbury	Cathedral'				
'Telling Tales'		ey of language evolving over	2.	from the grime to the clean-cut iambic,/rime royale, rant or rap, c					
Patience Agbabi	time		3.	'Chaucer Tales, track by track, here's the remix'					
	-	ey of Satan to hell	1.	'Of Man's First Disobedience, and the Fruit / Of that Forbidden Tre	ee'				
'Paradise Lost'			2.	'Who first seduc'd them to that foul revolt?'					
John Milton			3.	'Him the Almighty Power / Hurld headlong flaming from th'Ethered	al Skie'				
	Reflecting	g on the journey taken between	1.	'I took the one less travelled by, / And that has made all the differ	rence'				
'The Road Not Taken'	two road	S	2.	'And both that morning equally lay' 'I shall be telling this with a sigh / Somewhere ages and ages hence'					
Robert Frost	The journ	ey as a metaphor for a decision	3.						
'My Father Thought It'	The journ	ey of growing up	1.	'My father thought it bloody queer / the day I rolled home with a	ring of silver in my ear'				
Simon Armitage			2.	'the hole became a sore, became a wound, and wept'					
<u> </u>	The isure	ever of mothering a	3.	'At twenty-nine, it comes as no surprise to hear / my own voice br	eaking like a tear				
'Gap Year'		ey of motherhood ey of a child growing up	1.	'I remember your Moses basket before you were born' 'A flip and a skip ago, you were dreaming in your basket'					
Jackie Kay	Ihe journ	ey of a child growing up	2. 3.	'I have a son out in the big wide world'					
			5.		_				
Vocabulary: Key		Terminology: Key words		Historical Context:	Comparative Writing:				
immigrant-: a person who another country permane		comparative statement: These		Nichols is an immigrant who wrote about the Afro-					
When immigrants travel to	ravel to a new place, statements clearly explain what			Caribbean experience. She uses dialect in her poems and	 Identify similarities and 				
they migrate .		the poems have in common and they are different	how	is influenced by the rhythmic nature of Caribbean	differences between				
dialect: a form of languag specific area.	e that is used in a	-	•	language.	poems.				
astrology: the study of the	stars and how	dramatic irony: When the audien aware of something that a chara		Willis was a slave in America. Many people hoped for	 To see how different poets, 				
their movement affects ec	arth.	not.		death rather than live as a slave. For them, the promise of	with different backgrounds				
Astrologers study the stars.		discourse markers: A word or phro		being taken to heaven after death would have given	and interests, write about				
remix: to change or improv already exists.	ve something that	that helps to organise communic		them hope.	the same topic.				
slang: very informal langua				Many people in the Medieval era believed astrology	 To see how different writers 				
particular groups of people		personification: a type of metaph		influenced many things like the weather, nature,	use the same literary				
rather than written.		used by writers to make somethin seem like it is alive with a human	y	personalities and hormones. Astrology was a respected					
domineering: trying to con	trol others.	personality.		science that was used alongside other medical theories.	techniques.				
emulate: imitate		epic: a long, narrative poem		A gap year is a year between leaving school and starting	 To see how views on topics 				
endeavour: to try hard or t	to achieve	Venn diagram: a diagram repres	entina	university or starting employment. Most people spend the year travelling or working.	have changed over time.				
something		common elements represented b			To understand the				
mendacious: lying		intersecting circles.	,		individual poems better.				

Comparative Poetry: G Knowledge Organiser

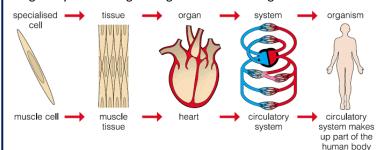
Poem Journey Type											
	•		ourney from Guyana t	o England	1.	'l leave me	me	, me	/		9
'Wherever I Hang'	•		reflection of the char		2.						_
Grace	•		e in her	0							
	•		ey of a		3. 1.	'I don't			Bringing the	and the	,
(T) NI LINA 11	-	country	ay or u								
'The Night Mail'		coormy		2	2.	· All	for ner	: / in the	,beside		/ Men
W. H											
'Swing Low Sweet		The isure	ey of to		3.	'For who		?' , Coming		,	
Chariot'	•		ey of to		1. 2.			, Coming for			
Wallace	-		ey 01 10		z. 3.	'But still my soul _		, conning tor,			
	•	Pilgrimag	e to		1.	' were th	ey all / That		,		
'The Canterbury Tales'	•	From the	to the	2	2.			/ The		,	
Geoffrey					3.	'Of		wend'			
'Telling Tales'	•	tc			1.			/ Tabard Inn		,	
Patience	•	The journ	ey of evolving		2.			,/rime		,	
		The journ	ey of to		3. 1.	'Chaucer Tales,	and the	e / Of that _	,		
'Paradise Lost'	-		ey 01 10		2.	'Who first	, unu me	; ?'			
John					2. 3.	'Him the			,		
	•	Reflecting	g on the journey taken		1.	'I took the one _		by, / And that has _	all the	,	
'The Road Not Taken'				2	2.	'And the	It morning	' / Somewhere			
Robert	•	The journ	ey as a for a _	3	3.	'I shall be	_ this with a	/ Somewhere			
	•	The journ	ey of		1.	'My father		/ the day I			,
'My Father Thought It'	-		ey 01		2.	'the bec	ame a	/ file ddy i became a	and '		
Simon					2. 3.			to / my			,
'Gap Year'	•	The journ	ey of	1	1.	'I remember				······	
Jackie	•	The journ	ey of a		2.		۱ ago, y	/0U	1		
					3.	'I have a				, 	
Vocabulary: Key	words		Terminology: Ke	y words		Historical Cor	ntext:			Comparative \	Writing:
immigrant-: a			comparative statem	ont:		Nichols is				-	
				cm						 Identify 	
· · · · · · · · · · · · · · · · · · ·											
dialect:		-	· · · · · · · · · · · · · · · · · · ·							·	
·			dramatic irony:			Willis was a				 To see how 	
astrology:							· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
									••••••		· · · · · · · · · · · · · · · · · · ·
remix:		_	discourse markers:								· · · · · · · · · · · · · · · · · · ·
					Î	Many people ir	the			• To see how	different
slang:		_								10 300 110 00	ameren
			personification:								
domineering:				·					_	• To see how	
emulate:			epic:			A gap year is _				•	
endeavour:			Venn diagram:					·····			
					_					• To	
		mendacious:							_		

Year 9 Grammar Term 4 B2 – Organisation

Levels of Organisation

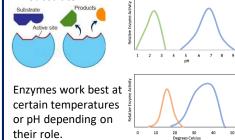
Cells = basic building blocks of all living organisms.

A tissue = group of cells with a similar structure and function. Organs = aggregations of tissues performing specific functions. Organs systems = organs organised to form organisms.



Enzymes

- **Biological catalysts**
- Digestive enzymes speed up the break • down of insoluble food molecules
- Specific shape active site that matches substrate



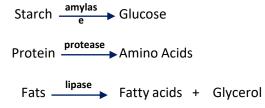
Bile

The liver makes an **alkaline** solution called bile. Stored by the gall bladder.

Has two jobs:

- Emulsifies fats
- Neutralises stomach acid.

Digestive Enzymes



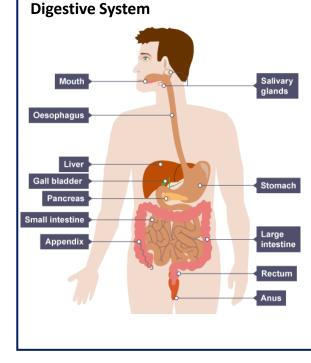
Where are the enzymes?

Enzyme	Salivary glands	Stomach	Pancreas	Small intestine
Amylase	x		х	х
Protease		x	х	х
Lipase			х	х

RP3 – Food Tests

Summaries of the four food tests.

Protein	Starch
Add Biuret's reagent	Add Iodine
Positive test; Blue solution	Positive test; solution turns
turns Purple	from orange to Black
Fats	Glucose
Add Ethanol and water	Add Benedict's and heat
Positive test – solution turns	Positive test blue solution
Cloudy	turns Brick red



Mouth	Teeth and tongue to chew food.
Salivary Glands	Releases saliva containing enzymes.
Oesophagus	Muscle tube to squeeze food along.
Stomach	Contains enzymes and hydrochloric acid. Is made of muscle to churn food. Hydrochloric acid kills bacteria in food
Small Intestine	Where digestion is completed and soluble food particles (glucose, amino acids, fatty acids, glycerol). are absorbed
Large Intestine	Absorbs water.
Liver	Produces bile.
Gall Bladder	Stores bile.
Pancreas	Releases enzymes.

Function

Organ

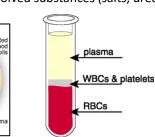
 What is an organ system? What are group of cells with a similar structure and function? Give an example of an organ. What is an enzyme? What is an enzyme? What is the name of the part of the enzyme that the substrate fits into? 	 Where is bile made? Where is bile stored? 		
structure and function? 2. What is the name of th part of the enzyme that			
3. Give an example of an organ. the substrate fits into?	t 3. What are the two jobs of bile?		
	1. Which enzyme breaks down starch		
 4. Put these into order, starting with the smallest: tissue cell organ system organ 3. Give two factors that affect how enzymes works 	2. What are the products of fat digestion?		
	3. What are proteins made of?		
1. Where are the salivary glands found? 1. Where are the salivary glands found?	here is lipase released from?		
2. What is the job of the oesophagus? 2. Whet is the job of the oesophagus?	2. Which enzyme is released in the stomach?		
3. What is the job of the pancreas (in digestion)? 3. When the pancreas of the pancreas (in digestion)?	3. Which enzyme is found in the mouth?		
4. What is the job of the small intestine?			
5. What is the function of the hydrochloric acid in the stomach? 1. Wh	nich two chemicals are added to test for fats?		
	nat is the colour change when Biuret is added to ood containing protein?		
3. Wh	nich test needs to be placed in a water bath?		

Year 9 Grammar Term 4 B2 – Organisation The effect of pH on the rate of reaction of amylase **Blood Vessels Respiratory System** The lungs have two jobs – to get oxygen into the blood and remove 1. Add 2cm² amylase solution, 2cm² of starch solution and 2cm² of carbon dioxide pH2 buffer to a water bath (37°) in separate test tubes. Wait 10 trachea minutes. 2. While waiting, add 2 drops of iodine solution to each well on the Capillaries Veins Arteries spotting tile. 3. Once the solutions in the water bath have reached 37° pour the Blood carried Walls only one Blood carried amylase and PH2 buffer into the starch solution. away from cells thick = back to heart 4. Immediately take a sample shorter diffusion Thin walls as heart with a pipette and add to the Thick muscular pathway blood is low first well of the spotting tile. and elastic • Lumen just pressure 5. Repeat step 4 every 30 walls = bigger than red Large lumen – seconds until there is no withstands blood cell lower resistance bronchi colour change when testing high pressure Blood flows very for blood passing Structures that cannot been seen on with iodine solution. Small lumen = slowly through this diagram are the alveoli and Diffusion takes Valves prevent 6. Repeat steps 1-5 with pH4, maintains high twinkl. capillary network - see 'unit 1 back flow place here pH6, pH8 and pH10 buffers. pressure diffusion'. The Human Heart Blood – 4 components Red Blood Cells (RBCs) Double pump because - left side pumps to whole · Contain chemical 'haemoglobin'. Red blood cells – contain haemoglobin to carry body, right side pumps to the lungs. This reacts/ binds with oxygen to be carried oxygen. More detail... Pulmonary around the body. R Aorta White blood cells – fight pathogens (see unit 3 – RBCs are ~8µm (relative small animal cell) allows Artery (to the body) (to the lungs) them to fit through capillaries infection and response). Bi-concave disc shape for large SA:V Vena Cava Platelets – cell fragments that clot blood. Pulmonary (from the body) Vein Plasma – liquid part that transports cells, cell **Coronary Heart Disease (CHD)** (from the lungs) fragments and dissolved substances (salts, urea, Coronary arteries supply heart muscle with blood (containing Right Atrium= CO₂, hormones...) Left Atrium (contains glucose and oxygen for pacemaker cells respiration) plasma that control Can become narrowed/blocked heart rate)

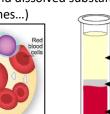
Right Ventricle

(thicker wall on left)

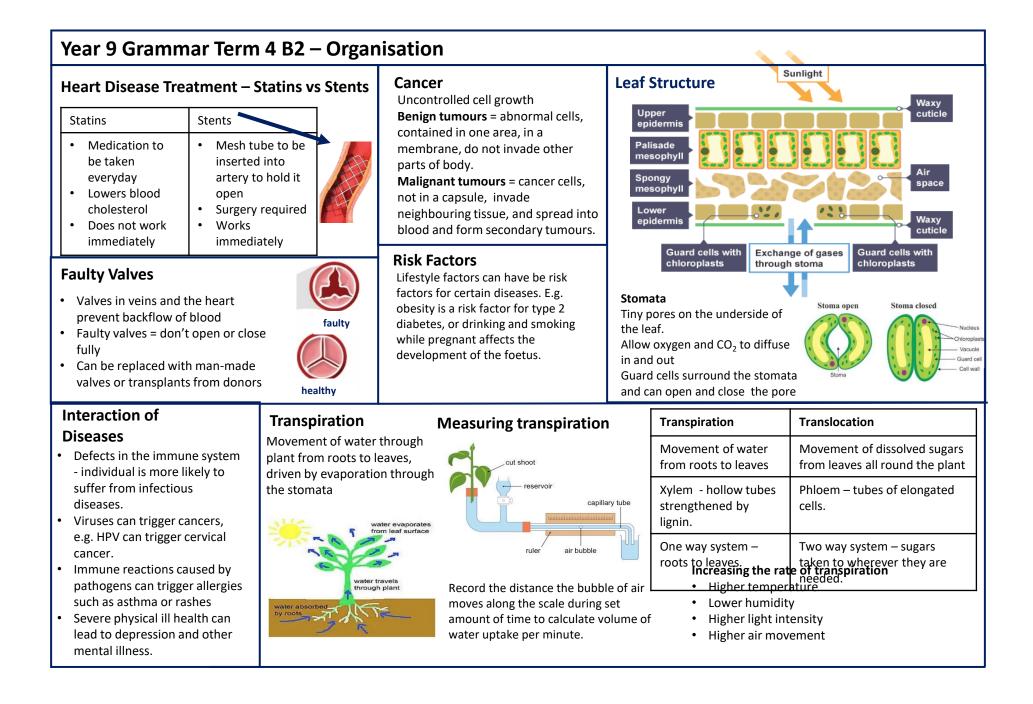
Left Ventricle



- by fatty deposits if cholesterol high, reducing blood flow.
- Reduced muscle contraction in heart



The	effect of pH on the rate of reaction of a	amylase	1.	Which blood vessels contain	valves?	1.	What is the name of	
1.	What temperature should the water ba be set at for the affect of pH on amylas practical?	set at for the affect of pH on amylase		Which vessels carry blood un high pressure?	1	the tube that connects the throat to the lungs?		
2.	What is the name of the chemical used to test for the presence of starch?			In which blood vessels does on take place?	2.	What is the name of the tubes that enter each lung?		
3.	What is the independent variable in the investigation?	•		Which blood vessels have this walls? Which vessels have a wide lut	ar 3.	-		
1.	Which blood vessel returns blood to the heart from the lungs?		Name blood	e the two types of cells in	bloo	od cells?		
2.	Which blood vessel carries blood away from the heart towards the body?			What are platelets?			D shape of RBCs is the advantage of	
3.	Which ventricle wall is thicker?	4. 1	Name	do platelets do? 3 substances plasma might dissolved in it?			oronary arteries do? Nock coronary arteries?	
4.	Where are pacemaker cells found?						appen to the heart if	
5.	Why is the heart knowns as a double pump?				-		ne blocked?	



Year 9 Grammar Term 4 B2 – Organi	sation					
 How do stents treat CHD? How do statins treat CHD? 	1. What is a benign tumour?	1. What are the cells called that surround the stomata?				
 Give an advantage of using stents rather than statins to treat CHD 	 Why do benign tumours not spread? How can malignant tumours spread? 	 What is the job of the stomata? What the top layer of a leaf called? Which tissue in a leaf has air spaces? 				
 What is the job of a valve? How can faulty valves be treated? 	 Name a disease linked with obesity 	5. Which layer in the leaf contains cells with lots of chloroplasts?				
 Give and example of when cancer can be triggered by a virus. 	 What is transpiration? What is translocation? 					
 Give an example of an immune reaction that can be triggered by a pathogen 	 Which tissue carries out tran Name 2 conditions that affe 	Which tissue carries out translocation? Name 2 conditions that affect the rate of transpiration.				

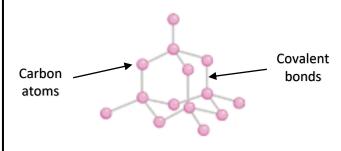
Year 9 Grammar Term 4 C2 – Bonding, structure, and the properties of matter **Formation of Ions Ionic Bonding Covalent Bonding** Between a metal and non-metal. - lons = a charged particle made when atoms lose or gain electrons - Covalent bonding = sharing a pair or pairs of - Positive ion = atom has lost electrons Metals give electrons to non-metals so electrons for a full outer shell. - Between non-metals only. both have a full outer shell. - Negative ion = atom has gained electrons. Electrostatic force of attraction Dot and cross diagrams between positive and negative ions. Metals form **positive ions** Show the bonding in simple molecules. Non-metals form negative ions Uses the outer shell of the atoms Lost electrons Crosses and dots used to show electrons Group lons Example - You should be able to draw the following: Li → Li⁺ + e⁻ 1 +1 $Ca \rightarrow Ca^{2+} + 2e^{-}$ 2 +2 H ŏΗ Gained electrons E.g. Sodium loses one electron to become $0 + 2e^{-} \rightarrow 0^{2}$ 6 -2 Na⁺. Chlorine gains one electron to become Water (H₂O) Hydrogen (H₂) $Br + e^{-} \rightarrow Br^{-}$ 7 -1 Cl⁻. The two ions attract to form sodium chloride. CL **Metallic Bonding** Ionic compounds Oxygen (O₂) Hydrogen chloride (HCl) Happens in **metals only.** - Form giant lattices, as the attraction Positive metal ions surrounded by sea of delocalised between ions acts in all directions electrons (can move). CL & CL H C C H lons tightly packed in rows. -Methane (CH₄) Chlorine (Cl₂) strong electrostatio Strong electrostatic forces of attraction between positive forces between oppositely charged ions and negative electrons. ions Alloys Ammonia (NH₃) - Alloys = mixture of two or more metal atoms **Properties of Ionic Compounds** - Pure metals are too soft for many uses. **Simple Covalent Molecules** High melting point – lots of energy needed - Form when all atoms have full outer shells so to overcome electrostatic forces. Alloy Pure Metal bonding stops High boiling point - Examples are the molecules shown above. **Cannot conduct electricity as solid** – ions - Have low melting and boiling points cannot move Atoms same size Different sized atoms - Due to weak intermolecular forces Conducts electricity when molten or Lavers slide Layers cannot slide - Do not conduct electricity dissolved - ions are free to move. Softer Stronger

1.	What is an ion?	1.	Ionic bonding happens	1.	What is covalent bonding?
			between		
2.	What happens to form a positive ion?	2.	What do metals give to non- metals?	2.	What type of atoms does covalent bonding happen
3.	What happens to form a negative ion?				between?
4.	What type of ions are formed by:	3.	What type of attraction is		
	 metals non-metals 		between the positive and negative ions?	3.	Draw dot and cross diagrams for the following:
				Wa	iter (H ₂ O)
1.	What are metal ions surrounded by?	4.	What structure do ionic compounds form?		
2.	Name the type of attraction between the electrons and ions.	5.	What are the melting points of	Me	ethane (CH_4)
		J.	ionic compounds like?		
3.	Why do metals conduct electricity?				ygen (O ₂)
4.	What is an alloy?	6.	Why can solid ionic compounds	UA,	ygen (O ₂)
5.	Why are pure metals too soft for some		not conduct electricity?		Do simple covalent molecules ve a high/low melting point?
э.	uses?			nav	
6.	Why are allows stronger than nure	7.	When can ionic compounds conduct electricity?	6 \	Why is this?
0.	Why are alloys stronger than pure metals?		conduct electricity:	0. \	

Year 9 Grammar Term 4 C2 – Bonding, structure, and the properties of matter

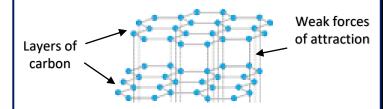
Giant Covalent Structure – Diamond

- Each carbon atom **covalently** bonded to **four** others.
- Forms a giant structure
- This makes diamond strong \rightarrow a lot of energy needed to break lots of strong covalent bonds.
- Does not conduct electricity has no free electrons.



Giant Covalent Structure – Graphite

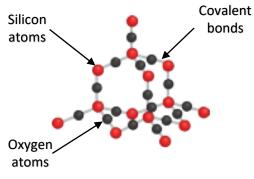
- Layers of carbon arranged in hexagons.
- Each carbon bonded to three other carbons.
- Leaves **one delocalised electron** → moves to carry electrical charge **throughout structure**.



- Layers held together by weak forces
- Layers can slide over each other easily
- Makes graphite **soft/slippery** → good lubricant.
- Has high melting point as has many strong covalent bonds.

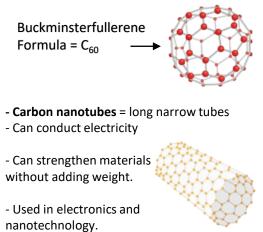
Silicon Dioxide

- Similar structure to diamond
- Giant covalent structure.
- Lots of strong covalent bonds.
- These require lots of **energy** to break.
- High melting and boiling points.



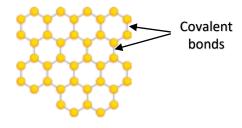
Fullerenes and Nanotubes

- Molecules of carbon shaped into hollow tubes or balls.
- Used to **deliver drugs into body**



<u>Graphene</u>

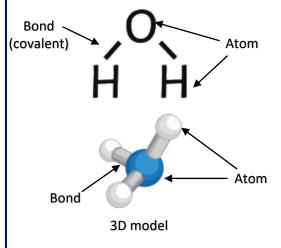
- Graphene = one layer of graphite.
- Very strong → lots of strong covalent bonds.



- Each carbon bonded to three others.
- One free delocalised electron → can move to carry electrical current throughout the structure.

Molecular models

- There are different ways to show a molecule other than dot and cross diagrams.

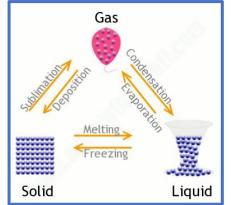


Yea	ar 9 Grammar Term 4 C2 – Bonding, s	stru	cture, and the properties o	of m	atter
1.	How many bonds do each carbon atom have in diamond?	1.	What structure does silicon dioxide have?	1. 2.	What is graphene? State a property of graphene.
2.	What type of bonds are in diamond?				
3.	Why is diamond hard?	2.	Why does this structure have a high melting and boiling point?	3.	How many bonds does each carbon have?
4.	Why does diamond not conduct electricity?			4.	What does this allow graphene to do?
1.	What element is graphite made from?	1.	What can fullerenes be used for?	1.	What are three ways that H ₂ O could be drawn?
2.	How many bonds does each carbon have?	2.	What is the formula of		
3.	Why can graphite conduct electricity?		buckminsterfullerene?		
4.	What holds together the layers of graphite?	3.	State two uses of carbon nanotubes.		
5.	Why is graphite soft/slippery?				
6.	Does graphite have a high/low melting point?				
7.	Why?				

Year 9 Grammar Term 4 C2 – Bonding, structure, and the properties of matter

States of Matter

- Three states of matter: solid, liquid & gas.
- To change state, **energy** must be **transferred**.



- When heated, particles gain energy.
- Attractive forces between particles begin breaking when melting or boiling points are reached
- **Amount of energy** needed to change state depends on how strong forces are.

<u>Gas</u>

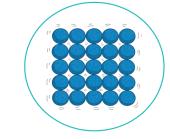
- Randomly arranged.
- Particles move quickly all directions.
- Highest amount of kinetic energy.



- Gases are able to flow fill containers
- Can be compressed as there is space between particles

<u>Solid</u>

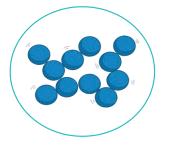
- Regular pattern (rows and columns)
- Particles vibrate in a fixed position.
- Particles have low amount of kinetic energy.



- Have a **fixed shape** cannot flow because of strong forces of attraction between particles
- Cannot be compressed particles close together.

<u>Liquid</u>

- Particles randomly arranged and touching.
- Particles can move around.
- Greater amount of kinetic energy than solid



- Liquids **able to flow** take shape of containers.
- **Cannot be compressed** particles are close together and cannot be pushed closer

State symbols

- States of matter shown in chemical equations:
- Solid (s)
- Liquid (I)
- Gas (g)
- Aqueous (aq)
- Aqueous solutions = substance dissolved in water.

Identifying Physical State of Substances

- If the temperature is **lower** than a substance's melting point substance is **solid**.
- If the temperature is **between** the melting point and boiling point – substance is **liquid**.
- If the temperature is higher than the boiling point – substance is a gas.

Limitations of Particle Model (HT)

- No chemical bonds are shown.
- Particles shown as solid spheres not the case, particles are mostly empty space like atoms.
- The diagrams don't show any of the forces between particles
- The diagrams are unable to show the movement of the particles.

Yea	ar 9 Grammar Term 4 C2 – Bor	nding	g, structure, and the properties	of m	natter
1.	What are the three states of matter?	1.	How are solid particles arranged?	1.	Where are state symbols used?
		2.	Do solid particles move?	2.	Write the symbols for solid, liquid, gas and aqueous.
2.	What happens to particles when they are heated?	3.	Do particles in a solid have a high or low amount of kinetic energy?	3.	What does aqueous mean?
2		4.	Can solid particles flow?		
3.	What happens to attractive forces when particles are heated?	5.	Can solids be compressed?	1.	If the temperature is lower than melting point, the substance is
4.	What does the amount of energy needed to change state depend on?			2.	If the temperature is between melting and boiling point, the
	needed to change state depend on:		How are liquid particles arranged?		substance is
		2.	Do particles in a liquid move?	3.	When would a substance be gas?
1.	How are gas particles arranged?	3.	Do the particles in a liquid have	┝	
2.	How do gas particles move?		more or less kinetic energy than solids?		State two limitations of the particle odel.
3.	Do particles in a gas have more or less kinetic energy than those in	4.	Can liquid particles flow?		
	solids and liquids?	5.	Can liquids be compressed?		
4.	Can gases be compressed? Why?				

Current, resistance and potential difference

(s)

Electrical current is the flow of electrical charge.

Current is measured in amps (A), charge is measured in Coulombs (C).

The size of the current depends on the rate of the flow of charge – ie how many coulombs of

charge	per	second.
Q=It		

(C)

flow of electron

(in a fixed lattice

moving

Charge = Current x time

(A)

Ohms Law

The current through a component depends on the potential difference and the resistance of the component.

If a component has high resistance, the current will be smaller for a given potential difference

potential difference = current x resistance V = I R

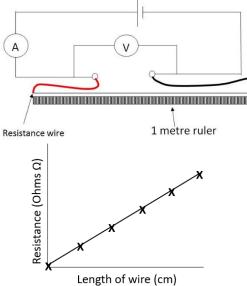
pd is measured in volts (V), resistance in Ohms (Ω)

Hypothesis 'the length of the wire affects resistance'

Independent variable – length of wire Dependent variable – resistance Control variables – type of wire, temperature of the wire, diameter of the wire

- 1. Set up the circuit as shown, with an ammeter in the circuit and a voltmeter connected across the wire
- 2. Use crocodile clips to change the length of the wire in the circuit
- 3. Make the wire 10cm long and read the current and pd. Switch off the current between readings or the wire will got hot, increasing the resistance.
- 4. Repeat for 20, 30, 40, 50 cm. (5 minimum)
- 5. Calculate resistance using Ohms Law R = V/I

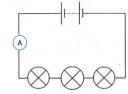
Plot length of wire (IV) against resistance (DV)



Series and parallel circuits

Series circuits:

A series circuit is one single loop

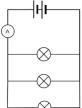


In a series circuit:

- the current is the same at all points in the circuit.
- potential difference is shared between • components (equally if components are identical resistance)
- total resistance = sum of all resistors

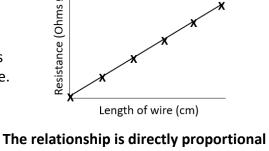
Parallel circuits

A parallel circuit consists of more than one loop from the battery/cell.



In a parallel circuit:

- The current is shared amongst the branches
- The potential difference is the same across all components
- Resistance in the whole circuit is LESS ٠ than that of the smallest resistor



Ye	ar 9 Grammar Term 4 P2 – Electricity		
Cur	rent, resistance and potential difference	Se	ries and parallel circuits
1.	What is current?	1.	What is a series circuit?
2.	What is the unit for charge?		
3.	What is the unit for current?	2.	In a series circuit, the current is
4.	What is the equation linking charge, current and time?	3.	How do you find total resistance in a
5.	What is the equation linking current, potential difference and voltage?		series circuit?
6.	If a component's resistance increases, what happens to current through that component?		
7.	What is the unit for resistance?	4.	The potential difference is shared equally among components as long
Нур	oothesis 'the length of the wire affects resistance'		as
1.	What is the independent variable in this investigation?	5.	What is a parallel circuit?
2.	What is the dependent variable?		
3.	What is the minimum number of readings needed for a line graph?	6.	What is true about potential difference across all of the
4.	What two readings are taken?		components in a parallel circuit?
5.	How is resistance calculated?	7.	How is total current calculated in
6.	What sort of relationship is seen?		parallel?
7.	Why is it important to turn off the power in between readings?	8.	What is true for total resistance in a parallel circuit?

Components

- switch (open) switch (closed) + cell
 - battery —(

variable resistor

- A **diode** only allows current to flow one way in a circuit
- A **resistor** is a component that provides a fixed resistance in the circuit e.g a 5 Ω resistor
- A **variable resistor** is a component whose resistance can be changed (e.g a dimmer switch)
- A **thermistor** is a resistor whose resistance changes with temperature the higher the temperature the lower the resistance
- An LDR (light dependent resistor) has resistance that changes
- An LED (light emitting diode) is a light that only allows the flow of current one way

Current, potential difference and resistance for different components

Current

(A)

A diode very high

resistance in one

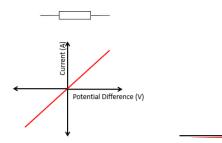
Only when the

is positive does

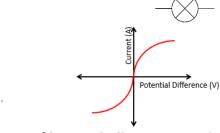
current flow

potential difference

direction.



A fixed (ohmic) resistor has fixed resistance current is directly proportional to potential difference Resistance remains constant (at constant temp)



A filament bulb contains a thin wire that glows as current flows. As the pd increases, the current initially increases.

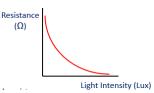
However, at higher pd, the wire gets hot

The ions in the wire move faster and collide with the moving charges Resistance increases, so current stops increasing

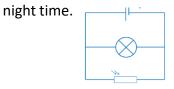


A light dependent resistor has varying resistance.

As the light intensity increases, the resistance decreases



LDRs can be used to switch on lights at



In this circuit, when it is day time, the resistance in the LDR is low, so all current flows through the LDR.

As light levels fall, resistance increases, until eventually there is less resistance in the bulb than the LDR, so current flows through the bulb – switching it on.

Thermistor



As the temperature increases, the resistance in a thermistor decreases.

Components

componer	
Symbol	Name
	Cell
	fuse
	Voltmeter
Current, p	otential difference and resistance for

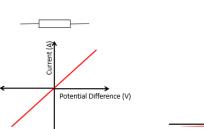
- 1. Complete the table opposite
- 2. Which component has a resistance that decreases as light intensity increases?
- 3. Which component only allows current to flow one way?
- 4. What is a fixed resistor?

or different components

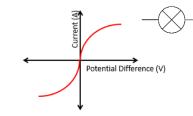
1. What readings would you need to take from a circuit to calculate resistance?

Current

(A)



- 2. Describe the relationship shown
- 3. Why is there no current on one side of the graph?



- What happens to current when 4. the pd rises at first?
- 5. What happens to the current as the pd gets higher?
- Why does the resistance 6. increase at higher pd?

LDR

- 1. Draw the symbol for an LDR
- 2. Draw the pattern you would expect for resistance as the light intensity increases.

3. The circuit below is for a night light. What is resistance in the LDR like during the day time? (high light levels)



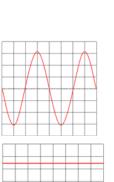
- Why does the light switch on when it 4. goes dark?
- 5. Draw the symbol for a thermistor
- 6. Describe the relationship between temperature and resistance in a thermistor

Domestic use of electricity

There are two types of electrical supply – direct (DC) and alternating current (AC) **AC**

The pd changes direction and magnitude, giving alternating current The number of times the change of direction happens per second is the frequency. UK mains is AC - **230V** Frequency of **50 Hz**

A direct pd produces current that flows in one direction **Batteries** supply DC





Electrical appliances are connected using 3 core cable

- Brown live wire, with pd of 230V
- Blue neutral, OV, completes the circuit
- Yellow and green Earth wire, is at 0V unless there is a fault, when it will become live

Appliances in the home and power

Power is measured in Watts (W) or kW Power can be calculated by using:

Power = Voltage x current P = IV

Power = current² x resistance $P = I^2 R$

Appliances transfer energy.

Energy is measured in Joules (J) or kJ The energy transferred can be calculated by using:

Energy = charge flow x potential difference E = Q V

Energy = power x time E = p t

For example

A kettle transfers energy from the thermal store of the filament in the kettle to the thermal store of the water inside.

Some energy is transferred to the thermal store of the surroundings.

The National Grid

The National Grid is a system of cables and transformers connecting power stations to homes and businesses



The National Grid uses very high pd and low current.

High current causes heating in the wires and would result in large energy losses.

Step up transformers increase the pd from the power station (to around 400000V) so that low current can be used to transmit power.

This means the wires don't get hot, so less energy is lost.

Near homes and businesses, step down transformers reduce the pd to 230V for safety.

Year 9 Grammar Term 4 P2 – Electricity Domestic use of electricity Appliances in the home and power 1. What are the two types of current? 1. What is the equation linking current, 2. What type of power supply produces DC current? potential difference and power? 3. What are the two differences between AC and DC current? 2. What is the equation linking current, 4. What is the pd of the UK mains supply? resistance and power? 5. What is the frequency of UK mains supply? 3. What two factors affect how much 6. What colour is the live wire in UK plugs? energy an appliance transfers? 7. What is the purpose of the blue wire in UK plugs? 4. What is the equation linking energy, 8. When does the yellow and green wire carry a current? power and time? The National Grid 5. What are the units for power? 1. What is the National Grid? 2. What sort of pd does the National Grid use to transmit electrical power? 6. What is the equation linking charge, energy and potential difference? 3. What is used to increase the pd from the power station? 4. What is used to reduce the pd near homes and businesses? 7. What are the units for energy?

5. Why is such a high pd used?



г



Α.	Backgro	ound:	с.		Social		Economic				
•	countrysid Urbanisati country's of urbanisa richer thar HIC have v	ion is the growth in the proportion of a population living in urban areas. The rate ation differs between countries that are in those that are poorer. very slow rates of urbanisation: In richer	Оррс	ortunities	 Better access to services e.g.health care and education Better access to resources such as clean water supply and electricity 	•	urban areas to work in factor wages than rural areas Industries create and sell goo	ialisation), more people move to ies – there are more jobs and better ods on the international market. reater profits than unprocessed			
	and most of	e world, urbanisation happened historically of the population now already live in urban			Social and economic (HEWE)		Environmer	ntal (WART)			
	better qua Here they transport) communic LIC are less Not many However, in farming experienci NEE are th increasing	ny people in urban areas in HICs desire a ality of life and are moving to rural area. can commute to cities (because of better or work from home (better cation). s economically developed e.g. Ethiopia. of the population live in urban areas . people are starting to move away from jobs . (rural areas) to urban areas. They are ing rapid urban growth. lose where economic development is rapidly e.g. Brazil, India, Nigeria - They are ing rapid urban growth.	 a		•	 Air pollution comes from burning fossil fuel from vehicles and factories Sewage and toxic chemicals can get into rivers, causing health problems and harming wildlife 					
			D.	Rio		E	Favela Bairro				
В.	Factors a	ffecting the rate of urbanisation	Sanita		Conditions relating to public health, especially the		Successes	Failures			
	-urban	the movement of people from rural to urban area. The rate is affected by push- pull theory.			provision of clean drinking water and adequate sewage disposal.	has improved. co - 90% housing in Rocinha is now wi		-\$1 billion budget insufficient to cover all of Rio's favelas - creates winners and losers so hardly equable and a "favela lottery"			
Push	factors	things that encourage people to leave (Push them out)	Qualit life	ty of (General well-being of individuals and societies	-Paved formal	amenities I, named roads ise addresses allowing for	-Families can not afford rent -ASH properties- still in areas of severe hazard risk via landslide -			
Pull fa	actors	things that encourage people to move to an area (Pull them to an area)	Favela	a E	Brazilian shack or shanty town; a slum	to fund	axes (rates) to be collected d further improvements ition improvements	2010: 24 dead and 13,000 properties lost			
Natur increa		birth rate is higher than death rate so population growth									





Α.	Background:	D.	Social		Econ	omic
•	Urban = Towns and cities Rural = countryside Urbanisation is the growth in the proportion of a country's population living in urban areas. The rate of urbanisation differs between countries that are richer than those that are poorer.	Opportunitie s				
	HIC have very slow rates of urbanisation: In richer parts of the world, urbanisation happened historically		Social and economic (HEWE)		Environmen	ital (WART)
	and most of the population now already live in urban areas. Many people in urban areas in HICs desire a better quality of life and are moving to rural area. Here they can commute to cities (because of better transport) or work from home (better communication). LIC are less economically developed e.g. Ethiopia. Not many of the population live in urban areas . However, people are starting to move away from jobs in farming (rural areas) to urban areas. They are experiencing rapid urban growth. NEE are those where economic development is increasing rapidly e.g. Brazil, India, Nigeria - They are experiencing rapid urban growth.	Challenges		E	Favela Bairro Successes	Failures
		Sanitation			Jullesses	Tanures
В.	Factors affecting the rate of urbanisation					
Rural- migrat						
Push	factors	Quality of life				
Pull fa	ctors	Favela				
Natura increa						

Н.	Can you define these key words?	What we are covering whilst working from home: The Holocaust					Year 9 Term 4 History: The Holocaust			
Anti-Semitism	Hostility or prejudice against Jewish people	We will be looking at: • The history of anti-Semitism in Europe (I)								
Genocide	the deliberate killing of a large group of people, especially those of a particular nation or ethnic group	 How the persecution of the Jews started out in Nazi Germany and the consequences of this for German Jews (J) 				I		ctors show about anti-Semitic in Medieval Europe?		
Holocaust	destruction or slaughter on a mass scale	 How Jewish persecution Solution (K) 	on in Germany escal	ated from 1933-1939 eventually resulting in The	e Final			•		
Persecution	hostility and ill-treatment, especially because of race or political or religious beliefs; oppression	Why we need to remer	mber the Holocaust (L).				pan II appealed to European the Holy Land from the Muslims,		
Discrimination	The unjust or prejudicial treatment of different categories of people, especially on the grounds of race, age, or sex	J. Wh	at were the conseq	uences of the Nuremburg Laws for Jews in N Germany?	lazi	S	The religious pass	as to be known as the Crusades. sion that drove men, and later even		
Lebensraum	Living space in the East (g.g. Poland) where Hitler was planning to build his 1000 year Reich for the master/	What they were:		juences:		usade	consequences for	rusades was to have direct Jews Ty swept through Jewish		
Minorities	superior race (Herenvolk) Anyone considered non-Aryan. Disabled people, homosexuals, Roma	 On 15th September 193 Nuremburg Laws were which were a new set of 	passed Je	ese laws redefined what it meant to be a Jew - wish was now a race rather than a religion (you nsidered a Jew if you had 3 or 4 Jewish grandp	were	The Crusades		ng, raping and massacring Jews as		
Nuremberg Laws	A series of laws reducing German Jews human Rights such as their ability to marry Germans, to vote, and to	which made it easier to persecute Jews.	o Gr co	andparents born into a Jewish religious communisidered 'racially' Jewish and their 'racial' status	nity were		In the 14th centur	y, the Bubonic Plague spread		
Pogrom	be recognised at citizens A violent attack on Jewish communities these had been occurring all over Eastern Europe and Russia since 1900.	 The Reich Law on Citiz stripped Jews of their citizenship (and all righ such as voting, working 	• Th nts of it pe g for the no	ssed onto their children and grandchildren is legal definition of a Jews covered tens of thou ople who did not think of themselves as a Jews religious or cultural ties to the Jewish communi	and had ty - many	an	the populationFear, superstition	e, killing an estimated one-third of and ignorance prompted the need o blame, and the Jews were a		
Roma	Known as Gypsies, they were persecuted especially when the Nazi's moved East	government etc) and m them 'subjects'. Jews r to wear a yellow star sl	now had the	ws who hadn't practiced Judaism for years foun emselves caught in the grip of Nazi terror. Even h Jewish grandparents who had converted to C	people	The Bubonic Plague	convenient scape	goat because of the myths and vere already believed about them		
SA	Known as Hitler's bullyboys in the early	patch to identify thems	elves. we	re defined as Jews.	-	onic		e also dying from the plague, they		
SS	Hitler's elite part of the army, also responsible for concentration camps network under Himler	The Reich Law for the Protection of German E	Blood wh	r the first time in history, Jews faced persecution at they believed, but for who they were by birth.	. In Nazi	e Bub		poisoning wells and spreading the nany and Austria approx. 100,000		
SS Einsatzgruppe n	SS murder squads that went around Eastern Europe looking for Jews, capturing them and then murdering them	and Honour made it so Jews were not allowed marry or have intimate relations with German	I to Ge • Th	rman no profession of belief could convert a Je rman. e Nuremburg Laws were a crucial step in Nazi r vs that led to the ostracism of German Jews and	racial	The		e 16th century Reformation and		
Sterilisation	Preventing men and women from breeding by an operation	Racial infamy (as it became known) was a criminal offense.				Martin Luther	Jews and Their Li	ote a pamphlet in 1545 entitled The ies, claiming that Jews thirsted for		
Genocide	Killing of an entire race of people						•	nd urging the slaying of the Jews		
Synagogue	A Jewish place of worship			K. How did Jewish persecution	n increase					
Anti-Semitism	Discrimination against Jews as a religious group or race			Nuremburg Laws 1935			llnacht 1938	Ghettos 1939		
The Final Solution	The Nazi government official policy which authorised the murder of all Jews within the Nazi Reich (Empire)	 On 30th March 1933, t announced that from official boycott would l 	10am on 1 st Ápril an	On 15 th September 1935 the Nuremburg Laws were passed which were a new set of laws which	in G	Bermany	toutburst of anti-Semitism	 Key step in the process of brutally separating, persecuting and destroying Europe's Jews 		
Aryan	Meaning pure German blood. Hitler believed that they would make Germany great again	businesses, doctors aSA members (paramil	and lawyers.	made it easier to persecute Jews.The Reich Law on Citizenship	amo	ngst Jewish	n communities, destroying mes, shops, businesses,	 1st ghetto established in Poland in October 1939 		
Concentration Camps	Prison camps set up by the Nazis in 1933, firstly for political opponents (communists), then minorities form criminals, homosexuals, gypsies, Jews. Some later became extermination camps	with the Nazis) painted word Jude (German w Jewish businesses. • They then stood outsid ('Don't buy from Jews'	vord for Jew) outside de with banners		• Son • Oth	neteries. ne gangs we er gangs suo	d desecrated Jewish ere in Nazi uniforms. ch as the SA and Hitler not to wear uniforms so	 Jews who owned any businesses/property were forced to hand them over as they were placed in ghettos. Some ghettos were shut in by 		
Extermination Camps	A concentration camp designed for the systematic murder of prisoners eg. Treblinka or Sobibor	 people from going ins The boycott was not v 	ide.	to identify themselves. • The Reich Law for the Protection of	that gen	the violence eral public.	e would seem to be by the	 walls, fences or barbed wire Temporary– some only lasted a 		
Eugenics	The study of races. The Nazis' distorted science such as Darwin's survival of the fittest	graffiti and still entered	d the shop and it	German Blood and Honour made it so that Jews were not allowed to	wat	ched with ple	were horrified, others easure or joined in.	few days or weeks, others for years		
Euthanasia	The killing of those disabilities or diseases	lasted just a day, but i beginning of a nationv	wide campaign by	marry or have intimate relations with German citizens. Racial infamy (as it			, 814 shop, 171, homes ogues destroyed	 The majority of ghetto inhabitants died from disease, starvation, 		
Gestapo	Hitler's spy network, which relied on informants	the Nazi Party against Jewish population	t the entire German	became known) was a criminal offense.	• Jew		ned and made to pay for	shooting or deportation to extermination camps.		
Holocaust	The Holocaust took place in Europe between 1933 and 1945. Six million Jews were systematically and brutally murdered by the Nazis and their collaborators. Millions of non-jews, including Roma and Sinti (Gyptsies), Serbs, political dissidents, people with disabilities, homosexuals and Jehovah's Witnesses, were also persecuted by the Nazis.		to remember the			000 Jews se	nt to camps.	externinguon tamps.		
Ghettos	Parts of cities reserved for Jews from 1939, they were									
	unhygienic places to live, had a lack of water and healthcare. They acted as prisoners as they had large walls and curfews.	The Holocaust dem	onstrates the atm	It cannot, and should not, be an event osphere in which genocide can take plac caust because it is an example of how the	e.		lve into somothing for m	ore threatening		
Kristallnacht	The Night of Broken Glass, people encouraged by the SS burned down synagogues, humiliated Jewish people and many were killed	Remembering the HDiscussion about th	Holocaust is an im le Holocaust is pa	portant act in itself and honouring its victi ticularly important when we remember it	ms, partic is not an i	ularly those solated ev	e with no family left to re ent e.g. Bosnia 1995, Rv	member them, is so important vanda 1994 etc.		
Untermensch	Anyone considered an undesirable in Hitler's Germany: disabled, Roma, homosexuals and Jews	 "He who does not le and teach so that it 		s doomed to repeat it". – it is not enough issue	to just lea	Irn from his	story we must tackle, cha	allenge, debate, discuss, expose		

Н.	Can you define these key words?	What we are co	overing whilst workin	g from hom	e: The Holocaust			Year 9 Term 4 His	tory: The Holocaust			
Anti-Semitism		We will be looki	ng at: y of anti-Semitism in Eu	urope (I)								
Genocide		 How the period 	ersecution of the Jews	started out i	n Nazi Germany and the consequences of this f	for	I		ctors show about anti-Semitic			
Holocaust			sh persecution in Germ	any escalate	d from 1933-1939 eventually resulting in The F	inal		attitudes	in Medieval Europe?			
Persecution		 Solution (K Why we need 	<) eed to remember the H	lolocaust (L)								
Discrimination		J.	What were th	ie conseque	nces of the Nuremburg Laws for Jews in Na: Germany?	zi						
Lebensraum		What they were	 9:	Consequ			Crusades					
Minorities							e Crus					
Nuremberg Laws		1				_	The					
Pogrom												
Roma							lague					
SA							lic P					
SS							nbor					
SS Einsatzgruppe n							The Bubonic Plague					
Sterilisation							er					
Genocide							Martin Luther					
Synagogue				•	K. How did Jewish persecution i			1939.				
Anti-Semitism		Boycott o	of Jewish Businesses	1933	Nuremburg Laws 1935		Kristall	nacht 1938	Ghettos 1939			
The Final Solution												
Aryan												
Concentration Camps												
Extermination Camps		1										
Eugenics												
Euthanasia		1I										
Gestapo		11										
Holocaust		1										
Ghettos		L. Why is it in	mportant to remen	nber the H	olocaust?							
Kristallnacht		1										
Kiistaimaont												
Untermensch												

Year 9 Religious Education: Matters of life and death

A.	Can you define these key words?
Key word	Key definition
Morality	Principles concerning the distinction between right and wrong or good and bad behaviour.
Ethics	Moral principles that govern a person's behaviour or the conducting of an activity.
Sanctity of Lif	made by God.
Quality of Life	The standard of health, comfort, and happiness experienced by an individual or group.
Natural Moral Law	A system of laws based on close observation of human nature, given to humans by God.
Precept	A general rule intended to regulate behaviour or thought.
Reason	The power of the mind to think, understand, and form judgements logically.
Absolute	A value or principle which is regarded as universally valid.
Situation Ethics	The view that there should be flexibility in the application of moral laws according to circumstances.
Relativism	The view that morality exists in relation to culture, society, or historical context, and is not absolute.
Agape	Unconditional love, "the highest form of love, charity" and "the love of God for man and of man for God".
Abortion	A procedure to end a pregnancy.
Pro-Life	Opposing abortion and euthanasia.
Pro-Choice	Advocating the legal right of a woman to choose whether or not she will have an abortion.
Euthanasia	The painless killing of a patient suffering from an incurable and painful disease or in an irreversible coma.
Capital Punisł ment	The legally authorized killing of someone as punishment for a crime.
Dominion	To be in charge of something or rule over it.
Stewardship	The job of supervising or taking care of something.

С		/hat does the theory of Natural Moral ehaviour?	oral	What are the 5 precepts of NML that we must be fulfilling for morally good behaviour?				
	u ca g a n	IML says absolute moral rules e s through by God. Through the an look at the way things were c iven design and functions. The ct according to the way we were norally good and any way that go rrong.	ason we their God bosed to t is	 Preserve innocent life Live in an ordered society Educate children Reproduce Worship God 				
	D What are the strengths of NML theory about what is morally good? What are the weaknesses of NML theory about what is morally good?							
		The theory is based on reason so everyone can work out for themselves what is morally good It seems to be true that we do tend to follow the primary precepts- it is in our nature- and following them will generally bring about what we think of as good. For example, preserve life' means people will protect the innocent and also believe murder is wrong						
E	Ē	What does the theory of situation ethics say about moral behaviour?	What are the stre S.E theory about morally good?		What are the weakness of S.E theory about what is morally good?			
	a g r	There are no absolute moral laws about right or wrong. The only guiding principle about what is norally right is 'do the most loving hing' in any situation.	I acts For bo not ithout n. For e in ould e it					
В	E	Bible quotes relating to the sanctity o	of life					
1	F	lumans were 'made in the image of Go	d'					
2	'/	'All your days are ordained (set out) for you'						
3	-	The body is a temple of the holy spirit						
4	"	Only God gives and takes life'						
5	'[Do not kill'						

Year 9 Religious Education: Matters of life and death

A. Cá	n you define these key words?	С	What does the theory of Natural Moral behaviour?	Law say about moral	we	at are the 5 precepts of NML that must be fulfilling for morally good
Key word	Key definition				beh	naviour?
Morality						
Ethics						
Sanctity of Life						
Quality of Life		D	What are the strengths of NML the is morally good?	ory about what What abou	t are the wea It what is m	aknesses of NML theory norally good?
Natural Moral Law						
Precept						
Reason						
Absolute						
Situation Ethics		E	What does the theory of situation ethics say about moral behaviour?	What are the strengths of S.E theory about what i morally good?	is	What are the weakness of S.E theory about what is morally good?
Relativism						
Agape						
Abortion						
Pro-Life						
Pro-Choice		В	Bible quotes relating to the sanctity of	of life		
Euthanasia		•		n me		
Capital Punish ment		1 2				
Dominion		3				
Stewardship		4 5				

SPANISH Year 9 GCSE Term 4 Knowledge Organiser: Topic = Festivals & Relationships

What we are learning	this term:	B. Habland	lo de Parejas	Ser	<u>To be</u>	Tener	To have	Infinitiv	<u>Present</u>	Past	Future
 A. Talking about festi B. Describing relation C. Learning about Sp 	nships with people	el beso Cada vez más	Kiss More and more	Soy	I am	Tengo	I have	Hablar To speak	r Hablo I speak	Hablé I spoke	Voy a Hablar I am going to speak
D. Talking about futuE. Translation PracticF. Key words across	ce	Cocinar Comprar Echar de menos	To cook To buy To miss	Eres	You are	Tienes	You have	Comer To eat		Comí I ate	Voy a comer I am going to eat
6 Key Words for this	T	Enamorado/a Ya no Las vacaciones	To be in love No longer Holidays	Es	s/he is	Tiene	s/he has	Ir To go	Voy I go	Fui/fue I am/it was	Voy a ir I am going to go
 Las relaciones La fiesta El costumbre 	 celebrar Las tradiciones La celebración 	Sonreírse Los familiares Feliz	To smile Relatives Happy	Somos	We are	Tenem os	We have	Ser To be	Soy I am	Fui I was	Voy a ser I am going to be
A. ¿Cómo e		La gente El / la invitado/a Maleducado/a El marido	People Guest Rude Husband	son	They are	tienen	They have	Tener To hav	Tengo I have	Tuve I had	Voy a tener I am going to have
Alegre Amable	Happy Friendly Old	El matrimonio La mujer	Marriage Woman / wife	D. Alg	junas cos	tumbres	regionales		F. Key	Words ac	ross Topics?
Anciano/a La barba Cariñoso/a Castaño Delgado/a	Old Beard Affectionate Chestnut (hair) Thin	El novio Parecer La pareja	Boyfriend To seem Partner	La actuació El ambiente La batalla El concurso))	Perforr Atmos Battle Compe	ohere	to to	o have - ten o be - ser o go - ir o do / make	er	Me gusta – I like Me encanta – I love Odio - I hate
Las gafas Gracioso/a El / la hijo/a	Glasses Funny Son / daughter	-	turo y las fiestas del ndo	Conmemora Correr La costumb		To con To run Custon	nmemorate n	h to	nacer o play - juga	r	Porque – because Divertido – fun
Joven Liso/a	Young Straight (hair) Freckles	La boda Buscar Cambiar	Wedding To find To change	Demasiado El desfile El diablo		Too mu Proces Devil		to to	o see / watc o listen - es o buy - com	cuchar prar	Aburrido – boring Util – useful Inutil – useless
Las pecas Pelirrojo Rizado Viejo/a	Ginger / red hair Curly Old	El casamiento Casarse El / la compañero/a	The wedding To get married Colleague / friend	El encierro Encontrar El espectác	ulo	Runnin To find	g of the bulls	s to	o live - vivir o speak - ha o have to -	ıblar deber	Comodo – comfy Interestante- interesting
A menudo Comprensivo/a Conocer	Often Understanding To get to know	Decepcionado/a Encontrar La felicidad	Disappointed To find Happiness	Extraño/a Impresional Incómodo/a	nte	Strang Impres	e	to to	o want to - o o visit - visita o eat - come	ar er	Entretenido – entertaining Emocionante –
El consejo Cuidar La disputa	Advice To look after Argument	Próximo/a Solo/a Soltero/a	Next Alone Single	Llevar Pasarlo bier El peligro		To wea	ar / carry e a good tim	e to	o drink - beb o go out - sa o read - leer	alir	exciting Guay – cool Genial – great
Egoísta Fastidiar Fuerte	Selfish To annoy Strong / loud	Tener suerte Los antepasados La calavera Celebrarse	To be lucky Ancestors Skull To be held	Precioso/a Saltar La suerte		Beautif To jum Luck	ul	to	o work - trab o think - pen o write - esc	sar ribir	Soso – dull Asqueroso – disgusting Malo- bad
Hablador(a) Honrado/a Mismo/a	Talkative Honourable Same	El comentario Disfrazado/a Muerto/a	To be neid Cemetery Disguised Dead	El toro La torre El traje			ostume				Bueno - good
Peligroso/a Reírse Seguro/a Travieso/a	Dangerous To laugh Sure / certain Naughty	Proteger El pueblo El regalo	To protect Town Present	Vestirse de La entrada La gente Limpiar		Entran People To clea					
Triste El verano La vida	Sad Summer Life	La tumba La vela Vender	Grave Candle To sell	Pronto Sucio/a tirar		Soon Dirty To thro					

SPANISH Year 9 GCSE Term 4 Knowledge Organiser: Topic = Festivals & Relationships-QUIZABLE

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What we are learning	this term:	B. Hablando de Parejas		Key Verbs				
	tivals and customs nships with people	el beso		Ser To be	<u>Tener</u> To have	Present	Past	Future
 C. Learning about Spanish customs D. Talking about future plans E. Translation Practice F. Key words across topics 		Cada vez más To cook To buy Echar de menos		 = I am	= I have	I speak	 I spoke	I am going to speak
6 Key Words for this		Enamorado/a Ya no		= You are	Tienes = You have	l eat	l ate	I am going to eat
 Las relaciones La fiesta El costumbre 	 4. celebrar 5. Las tradiciones 6. La celebración 		Holidays To smile Relatives Happy	= s/he is	= s/he has	l go	I am/it was	l am going to go
A. ¿Cómo e	es tu familia?		People Guest Rude	= We are	= We have Tienen	l am	l was	I am going to be
Alegre			Husband	They are	= They have	I have	l had	I am going to have
Amable Anciano/a			Marriage Woman / wife	D. Algunas	s costumbres r	egionales	F. Key	Words across Topics?
La barba	Glasses C. Planes para el futuro y la mundo Funny mundo Son / daughter La boda Young To find		turo y las fiestas del	La actuación El ambiente La batalla Conmemorar	Competition To run	to have = to be = to go = to do = to play = to see =	I hate because	
			To find To change		Custom Too mu Process Devil Running	ch	to listen= to buy = to live = to speak= _	– boring – useful – useless
Comprensivo/a	Curly Old Often	EI / la compañero/a	To get married Disappointed To find Happiness		To find Show / o Strange Impress Uncomf	display ive	y =	interesting
Conocer El consejo La disputa	To look after	Tener suerte	Next Alone Single		To wear	a good time		– cool – great – dull
	To annoy Strong / loud Talkative Honourable	Los antepasados La calavera Celebrarse El comentario		La suerte La torre	To jump Bull		to read = to work = to think = to write =	bad good
Reírse Seguro/a	Same Dangerous ———	Disfrazado/a 	Dead To protect Town	El traje Vestirse de La entrada	People	-		I
	Naughty Sad Summer Life	La tumba La vela	Present To sell		To clear Soon Dirty To throv			

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

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

С	Excel Formulae								
What is the Excel formula for									
1	A B C 2.3 5.7 1.1	Adding cells B1 and C2 =B1+C2							
23	4.01 6.3 8.73 -5 0.004 12.7	Subtracting cell A1 from cell A3 =A3-A1							
B2 and E	he mean of cells: A1, A2, A3, B1, ³³ J GE(A1:B3)	Multiplying cells B3 and C1 =B3*C1							
0	he maximum of cells: A1, A2, A3, 33, C1, C2 and C3 1:C3)	Dividing cell A2 by cell B2 =A2*B2							
C1, C2 a	he product of cells: A1, A2, A3, nd C3 JCT(A1:A3,C1:C3)	Raising A1 to the power of 7 =A1^7							

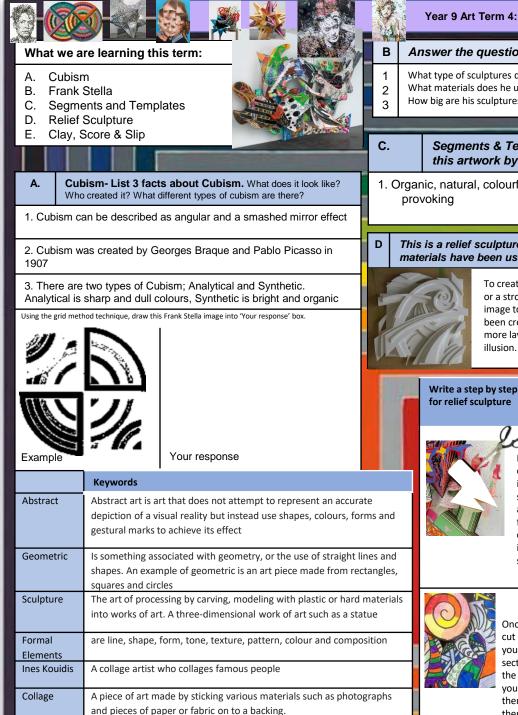
D	Excel Abs	solute Ce	I References
	are absolute nces used		To stop a cell reference from being modified automatically
What is the absolute cell reference for the following			\$A\$3
A	В	С	
1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		1	 Right click the sheet we want to copy. Select 'move or copy'. Select 'create a copy'. Choose where you want the copy to be placed. Press 'OK'.
cell in	Sheet1 (e sheet	=Sheet Name!Cell Reference
			For example, cell H3 in Sheet5 Would be referenced as
			=Sheet5!H3

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



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Α	Passwords and Shortcuts	B Excel Cell References		D Excel Absolute Cell References
A feature of	f a strong password has	What is the cell reference for the following		Why are absolute cell references used?
1		A B 1 2		
2		3 4		What is the absolute cell reference for the
3		АВС		following A B C
4		1 2 3 4		2 3 4
5		5		How do you duplicate an
6		A B C		Provide you duplicate an existing sheet?
7		A B C		30
8		3 4 5		How do you reference a cell in a different sheet
9				ceil in a different sneet
What do the	e following shortcuts do?	C Excel Formulae		
Ctrl-C		What is the Excel formula for		
Ctrl-V		A B C 1 2.3 5.7 1.1 2 4.01 6.3 8.73	Adding cells B1 and C2	E Excel Tools
Ctrl-X		2 4.01 0.3 8.73 3 -5 0.004 12.7	Subtracting cell A1 from cell A3	what do the following buttons in Excel do?
Ctrl-Z		Finding the mean of cells: A1, A2, A3, B1, B2 and B3	Multiplying cells B3 and C1	<u>⊘n</u> ~
Ctrl-A		Finding the maximum of cells: A1, A2, A3,	Dividing cell A2 by cell B2	H ~
Ctrl-S		B1, B2, B3, C1, C2 and C3		· ₫ ·
F2		Finding the product of cells: A1, A2, A3, C1, C2 and C3	Raising A1 to the power of 7	ab
Ctlr-Shift- N				
Ctrl-P				
Ctrl-B				
Ctrl-U				



Year 9 Art Term 4: Topic = Frank Stella

Answer the questions about Frank Stella

- What type of sculptures does Frank make? Relief Sculptures
 - What materials does he use? Frank uses a range of metal and Cardboard to create skeleton of the sculpture How big are his sculptures? His sculptures can fill a whole room and usually fill up a whole wall.

Segments & Templates- Looking at the image below, what describing words could you use to describe this artwork by Frank Stella. Use your formal elements to guide you.

1. Organic, natural, colourful, curvy, bright, bold, pattern, skewed, misshaped, mixed, disconnected, random, thought

This is a relief sculpture; how has it been made and what materials have been used?

> To create a relief sculpture you will need Cardboard or a strong yet easily cut material. Start by having an image to create from. The image on the left has been created by many layers of cut Cardboard. As more layers are added they create a 3-dimensional

Write a step by step guide to making a cardboard template

Firstly cut out individual sections and shapes

from your chosen image. use scissors

Once you have cut out all of your shapes and sections from the Cardboard you can arrange them and layer them onto

Lay your section that you have cut out onto Cardboard and glue it down. Using a sharp pair of scissors cut this out of Cardboard staying very close to the edge

> Finally seal all of your relief sculpture together with PVA glue .this will help to secure it, give it extra

Е

Write a step- by- step guide to slab method & score and slip.

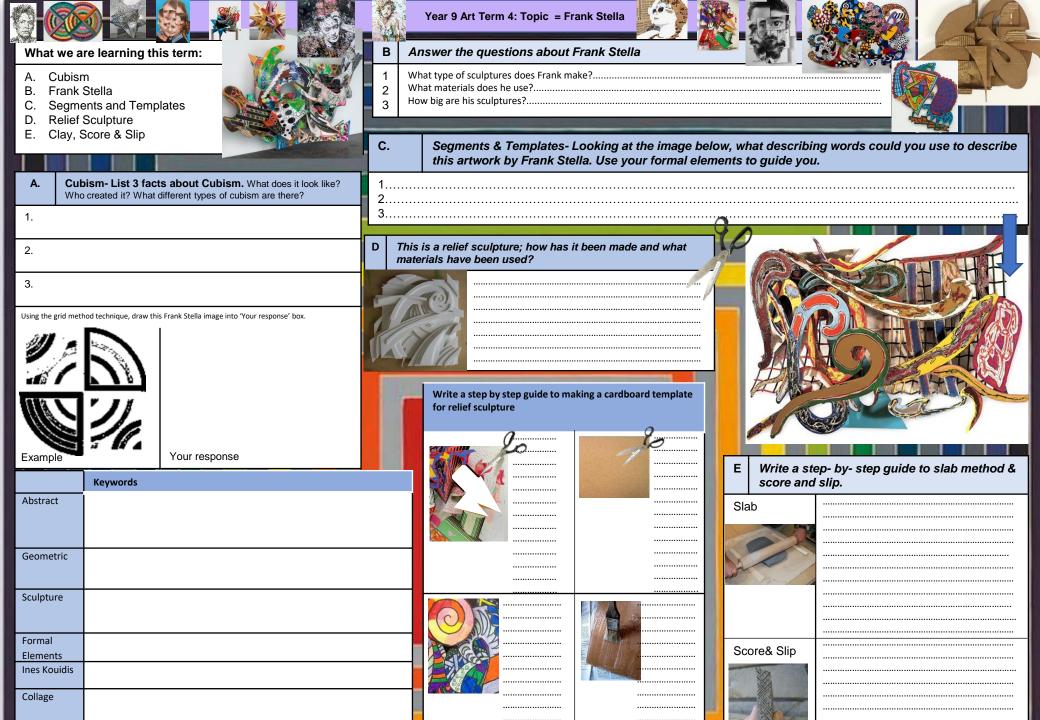




Score& Slip

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 naste Using the slin like glue add





Year 9 PRODUCT DESIGN



What we are learning this term:	В.	B. Wood Theory			
 A. Drawing Skills B. Wood Theory 2 3 C. Wooden Joints & Their Uses D. Tools & Machinery 		Natural Hardwood:			
A. Drawing Skills				• F	
Isometric Technical Drawing (3D <u>NOT</u> 2D)	Softw			• E	
Made up of a series of par parallel vertical lines and parallel 30-degree lines . But no horizontal lines.			Ø	• C	
	Manu	factu	red	Adv	
30*	MDF:	礅		• E s • T • C s	
Used to show a 3D (3-dimensional) perspective of a object or product.	Plywo	ood:	餪	•••	
Orthographic Projection (2D <u>NOT</u> 3D)				• C s	
This shows 2D views of a 3D object from different angles – front, plan and end.	Susta	inab	ility = N	latura	
Lines are dimensions have specific meaning to avoid confusion.	more natura	susta al woo from	red boa ainable t ods bec wasted	han ause	
	D.	Тоо	ls & Ma	achine	
	Steel Rule		Tri So	luare	

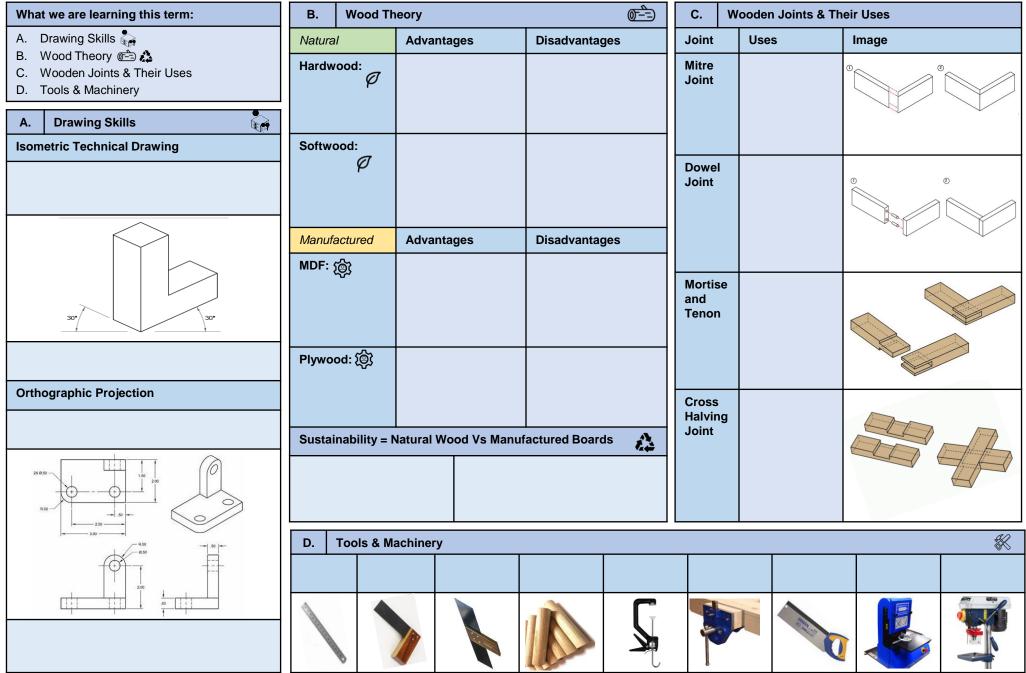
Commonly used in industry to help the manufacturer understand the design.

_					_	C.				₩ ∨	
	B. Wo	,						n Joints & The	eir Uses		
	Natural	Adva	ntages	Disadvantag	ges	Joint	Use	es	Image		
*	Hardwood	Ø du • W re	ronger & urable eather sistant re resistant	 Harder to curve More exp Longer to 	ensive	Mitre Joint	Used mainly for picture frames. Great aesthetics but not very strong unless a				
	Softwood:	• E	asy to cut /	Not weat	her		dow	vel is added.			
	\$	• c	irve neaper uicker to grow	 resistant Not fire re Weaker & durable 		Dowel Joint	repa scre in to	be used to air stripped w holes and by making	0	0	
	Manufactur	ed Adva	ntages	Disadvantag	ges		they are the perfect axles in				
	MDF:	sa	asy to cut and ind	Not as aesthetic	ally		toy	vehicles.			
		• C	akes paint well omes in wide leets	pleasing Doesn't s 	tain well	Mortis and Tenon	furr join	nly used for liture. This t is very ng and			
;	Plywood: ູໂ	စ္ခြား ြေး Wa	rong board an be aterproof	Not as aesthetically pleasing		No.					
			omes in wide leets	Doesn't s	stain well	Cross	Mai	nly used for			
	Sustainabi	lity = Natural	- Natural Wood Vs Manufactured Boards			Halving Joint		nets, doors windows.		()	
	more susta			is more sustainable than I, because it grows a lot							
		hade from wasted wood									
	D. Tool	ls & Machine	у							K	
	Steel Rule	Tri Square	Mitre Square	Dowels	Quick Clamp	Woo Vice	oden 9	Tenon Saw	Bandfacer	Pillar Drill	
				3.			-				

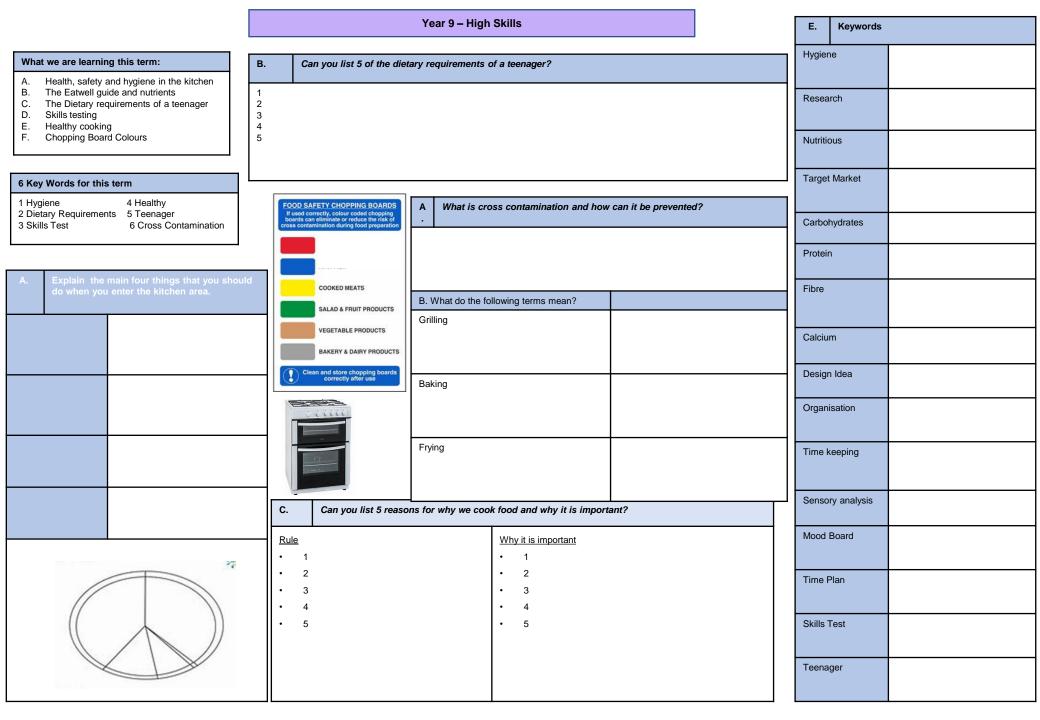


Year 9 PRODUCT DESIGN





What we are learning this term:	Year 9 – High Skills		E. Keywords		
 A. Health, safety and hygiene in the kitchen B. The Eatwell guide and nutrients C. The Dietary requirements of a teenager D. Skills testing 	B. Can you list 5 of the dietary requirements of a teenager?	Hygiene	A method of keeping yourself and equipment clean		
E. Healthy cooking F. Chopping Board Colours	A diet with 2-3 potions of protein to maintain muscle growth and cell reparts A diet with 2-3 potions of protein to maintain muscle growth and cell reparts A diet with 2 -3 sources of calcium to build developing teeth and bones.	Research	Information that you find out to help you with a project		
6 Key Words for this term 1 Hygiene 4 Healthy	4 A diet low in fat to avoid becoming obese or developing other health prol 5 Drinking 2 litres of water a day.	Nutritious	A meal that is healthy and contains vital nutrients.		
2 Dietary Requirements 5 Teenager 3 Skills Test 6 Cross Contamination			Target Market	The age or type of person you re creating a product for.	
A. Explain the main four things that you should do when you enter the kitchen area.	FOOD SAFETY CHOPPING BOARDS If used correctly, colour coded chopping boards can eliminate or reduce the risk of cross contamination during food preparation	ation and how can it be prevented?	Carbohydrates	Foods that give you energy	
Remove all of your jewellery can harbour bacteria and could fall off into the food.	equipment to prepare food whi must use the correct equipment	when you use the wrong chopping board or ch can therefore result in food poisoning. You t for the correct ingredients. You must also ensure	Protein	Food that grow and repair your muscles	
Tie back your hair Hair could fall into the food or	COOKED MEATS B. What do the following terms		Fibre	Foods that keep your digestive system healthy and avoid constipation.	
touch equipment. Wash your hands To remove any germs and	Grilling VEGETABLE PRODUCTS BAKERY & DAIRY PRODUCTS	Using the top part of the oven. It involves a significant amount of direct, radiant heat, and tends to be used for cooking meat and	Calcium	Foods that make your teeth and bones strong	
with hot soapy bacteria from your hands and nails.	Clean and store chopping boards correctly after use	vegetables quickly. It is also a healthier method of cooking meat products.	Design Idea	A sketch or plan of how you are hoping a project to turn out.	
Put on and apron and tie it back. To protect you from the food and equipment and the food from touching you.	Baking	Baking is a method of preparing food that uses dry heat, normally in an oven. Heat is gradually transferred from the surface of cakes, cookies, and breads to their	Organisation	Having everything ready for a lesson and following instructions	
Guió Estwell Sense and a sense	Frying	centre. Frying is the cooking of food in oil or	Time keeping	Using the time to remain organised.	
		another fat. It is usually done in a frying pan using the hob of the cooker. It also known to be unhealthy.	Sensory analysis	Use your senses to taste and describe a product	
	C. Can you list 5 reasons for why we cook food and wh	/ it is important?	Mood Board	A collage of photos and key words based on a project	
HALL DE LE	Rule Why it is imp	•	Time Plan	Instructions of wat you are going to do and how long it should take.	
The second and the se	3 to make food chewable 3 it cou	ke the food more appealing d be raw or a choking hazard o food poisoning	Skills Test	Demonstrating your knowledge of a cooking term.	
		 5 to make it look more appetising or change its use 		Someone between the age of 13 – 19.	





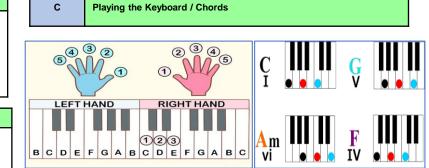
Year 9: Music in the Movies set 9GS, 1, 5

Term 4 🕹

What we are learning this term:

- A. Film Composers and Orchestra Instruments
- B. How to write a perfect Evaluation
- C. Playing the Keyboard / Chords
- D. What are the musical elements?
- E. What are the music symbols Note Values
- F. Keywords
- G. How to read music treble clef and bass clef

7 Key Words for this term						
1 Leitmotif 2 Soundtrack	4 Synchronising 5 Non-Diagetic	7 Atonal				
3 Underscore	6 Mickey-Mousing					



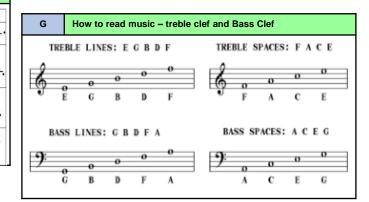


D	What ar	What are the musical elements?					
Timbre		Sound quality					
Pitch		High or low sounds					
Texture		How many sounds					
Tempo		Fast or slow					
Duration		Long or short					
Structure		The musical plan					
Dynamics		Loud or quiet					
Silence		No sound / rests in the music					
Attack/Decay		How notes start and stop					

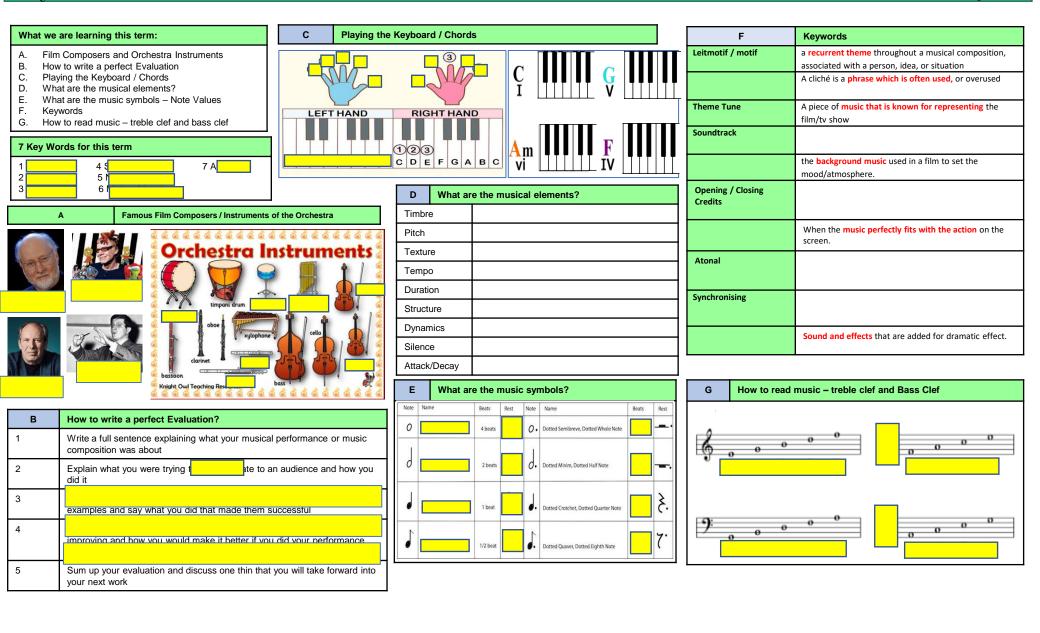
В	How to write a perfect Evaluation?
1	Write a full sentence explaining what your musical performance or music composition was about
2	Explain what you were trying to communicate to an audience and how you did it
3	Pick out at least two moments that worked really well, using specific examples and say what you did that made them successful
4	Pick out one moment that you could make better. Explain why it needed improving and how you would make it better if you did your performance again
5	Sum up your evaluation and discuss one thin that you will take forward into your next work

Note	Name	Beats	Rest	Note	Name	Beats	R
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	ર્ક	.	Dotted Crotchet, Dotted Quarter Note	1% beats	3
1	Quaver, Eighth Note	1/2 beat	7	1	Dotted Quaver, Dotted Eighth Note	3/4 beat	7

F	Keywords					
Leitmotif / motif	a recurrent theme throughout a musical composition, associated with a person, idea, or situation					
Musical Clichè	A cliché is a phrase which is often used , or overused					
Theme Tune	A piece of music that is known for representing the film/tv show					
Soundtrack	The collection of songs and musical arrangements played during a film/TV show.					
Underscore	the background music used in a film to set the mood/atmosphere.					
Opening / Closing Credits	A list of important people involved in the production of film/tv shows included at the start and end of films.					
Mickey-Mousing	When the music perfectly fits with the action on the screen.					
Atonal	term used to define music that seems to lack a clear tonal center – it doesn't sound good. It is perfect for horror movies!					
Synchronising	The process of combining music/audio with moving image					
Non-Diegetic	Sound and effects that are added for dramatic effect.					









Year 9 Term 4: Pantomime!



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What we are learning this term:		The History of: Pantomime		Who are the key characters?			
 A. What stock characters you would find in most pantomimes. B. How new techniques learnt in lessons can be applied to your own pantomime style performance. C. What technical aspects can be added to a performance to create 'wowness 		Pantomime is a type of musical comedy stage production designed for family entertainment. It was developed in England and is performed throughout the United Kingdom, Ireland and in other English-speaking countries, especially during the Christmas and New Year season. Modern pantomime includes songs, gags, slapstick comedy and dancing. It generally			Hero (Principal Boy)	Often played by a female. Main lead and usually the hero of the story. Fights the villain. Sings	
Pantomime Techniques- this term's key words					Heroine (Principal	Beautiful. Appears youthful. Innocent and has to be rescued	
Audience Participation	Encouraged to get involved either by singing along with the songs, being brought onto the stage, boo the villain or argue with the Dame.	combines of humour wit tale, fable of	gender-cros th a story b or folk tale.	ssing actors and to ased on a well-kno Pantomime is a	opical own fairy	Girl)	from the villain's capture.
Vocal Skills	How you interpret a character using Pitch, Pace, Volume, Accent or Tone	audience is along with	s encourage	neatre, in which th ed and expected to to of the music and formers.	o sing	Dame	Comic over the top female character always played by a male. Costumes are always
Stock Characters	Stereotypical fictional characters who audiences recognise from their frequent recurrences.						colourful, outrageous and have hidden props, pockets and surprises.
Comedy	A genre in drama.		Popula	r Pantomimes			
Clocking the Audience	When an actor looks straight at the audience giving them a chance to understand what the character is		С	inderella	Å.	Villain	The character everybody loves to hate and boo! His aim is to
Audience	thinking	1	,	Aladdin			capture the heroine.
Exaggeration	Over the top gestures or facial expressions		Sn	ow White		Goodies	Other characters such as fairies
Sound Effects	Sound effects in drama are sounds that are created		Jack and	the Beanstalk		Goodles	that help out the Hero and
	or used in a theatrical production to enhance the action, mood or atmosphere of a scene		Slee	oing Beauty			Heroine
Atmosphere	Overall feeling created in a performance		Robir	ison Crusoe		Clowns	Often a double act or solo comedian. The ugly sisters in
Staging	The method of presenting a play or other dramatic performance						Cinderella are an example of this.





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 A. What stock characters you would find in most pantomimes. B. How new techniques learnt in lessons can be applied to your own pantomime style performance. C. What technical aspects can be added to a performance to create 'wowness' 		What Style of theat pantomime? What time of year a performed?	re and Genre is a re pantomimes usually		
Pantomime Te	chniques- this term's key words	What are Pantomin	nes usually based on?		
	Encouraged to get involved either by singing along with the songs, being brought onto the stage, boo the villain or argue with the Dame.		e used in a pantomime?		
Vocal Skills	How you interpret a character using… <u>List the 5</u> vocal skills				
	Stereotypical fictional characters who audiences recognise from their frequent recurrences.	Ρορι	ılar Pantomimes		
Comedy		How ma	any can you name?		
C te A e	When an actor looks straight at the audience giving them a chance to understand what the character is thinking				
Exaggeration	Over the top				
Sound Effects	Sound effects in drama are	4			
	Overall feeling created in a performance				
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