100% book - Year 8 Grammar

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



Term 4

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."











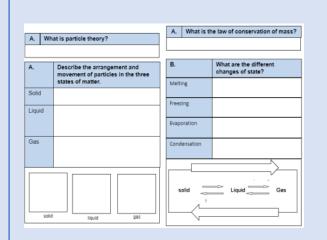
Using your Knowledge Organiser and Quizzable Knowledge Organiser

Knowledge Organisers

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

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

Quizzable Knowledge Organisers



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

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

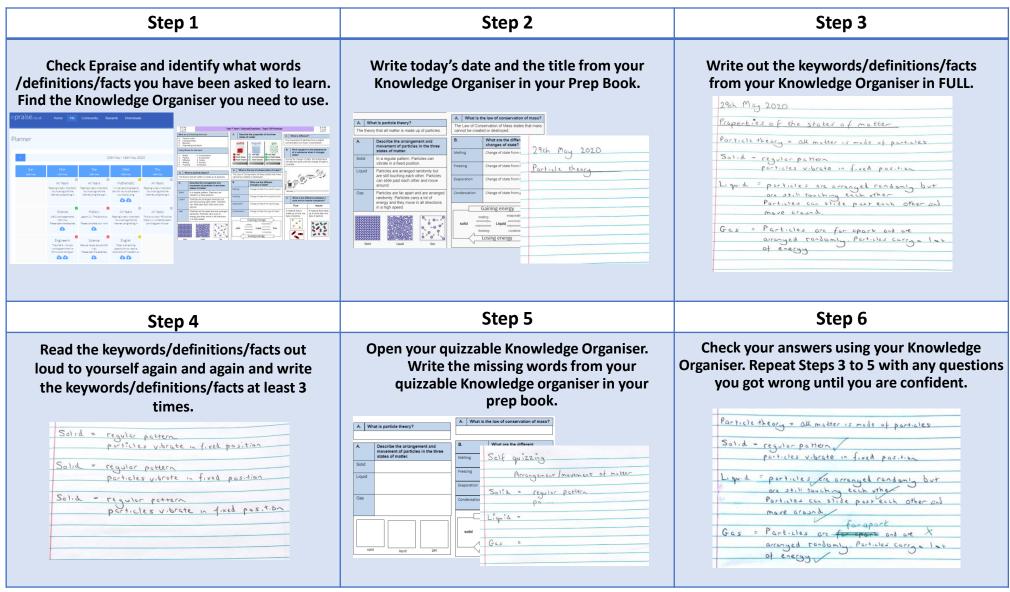
Top Tip

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

Expectations for Prep and for using your Knowledge Organisers

- 1. Complete all prep work set in your subject prep book.
- 2. Bring your prep book to every lesson and ensure that you have completed all work by the deadline.
- 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.

'The Tempest' GS Knowledge Organiser

Plot Summary

The Tempest Act 1, Scene 1

Alonso, the King of Naples, is on a ship with his son Ferdinand and his companions Sebastian, Antonio, Stephano and Trinculo. They are struck by a terrifying, howling storm. They abandon ship and swim to a nearby island but are washed ashore in different places. The island seems to be abandoned.

After the Storm Act 1. Scene 2

From a nearby island, Miranda watches the huge tempest. She lives with her father Prospero and has little memory of her life before the island. Prospero tells his daughter of their past: he was the Duke of Milan twelve years ago, but he was so involved with his books and secret studies that he did not realise his brother Antonio was stealing power from him. One night, Antonio ordered soldiers to take Prospero and Miranda and put them on a boat to their death. But they were washed ashore this island safely and have lived there ever since. Prospero has been ruler of the island. Prospero has created the storm to bring his brother to the island.

Ariel and Caliban Act 1, Scene 2 into Act 2, Scene 1

Prospero is a powerful magician who controls the spirit Ariel who completes tasks for him. Prospero has agreed to release Ariel after this last mission. Caliban is a deformed savage slave who is also under Prospero's control. He is the son of an old witch, Sycorax, and is a native of the island. Prospero taught Caliban how to speak but Caliban resents the control Prospero has over him.

Kind Alonso Act 2, Scene 1

King Alonso and his younger brother Sebastian, as well as Antonio (the usurping Duke of Milan), wander around the island. King Alonso weeps as he believes his son Ferdinand is dead. Sebastian and Antonio plot to kill Alonso so that Sebastian can be king. They are stopped by Ariel's magical intervention.

Caliban, Stephano and Trinculo Act 2, Scene 2 and Act 3, Scene 2

The monster Caliban is found by Stephano and Trinculo. They give him alcohol to drink and he gets drunk. Caliban offers to serve Stephano because he believes he is a god because of the heavenly drink! Caliban explains to them how Prospero has treated him and that he will be their guide on the island if they overthrow him. The three drunks go to find and kill Prospero.

Ferdinand and Miranda Act 1, Scene 2 and Act 3, Scene 1

Ferdinand has survived the storm. He is safely on the island and is found by Miranda. They fall instantly in love. Prospero wants to test that the love is real. Ferdinand has to endure hard labour to prove his intentions are honourable. Miranda pities Ferdinand and wants to marry him. Prospero blesses their marriage.

The End Act 4. Scene 1 and Act 5. Scene 1

A marriage for Ferdinand and Miranda is arranged and celebrated with a masque attended by spirits. It is interrupted when Prospero recalls the threat from Trinculo, Stephano and Caliban. Prospero and Ariel send spirit dogs to scare them away. King Alonso, Sebastian and Antonio meet Prospero. He explains what has been happening on the island. He shows them Ferdinand and Miranda who are now married. King Alonso is filled with regret and asks for forgiveness from Prospero which he grants.

Epilogue

Prospero declares that he will be giving up his magic. Ariel is released from his service. The party travel back to Milan. We do not know what has happened to Caliban.

Terminology: Keywords

comedy – a play that is funny. It has a happy ending.

soliloquy – when a character is speaking alone on stage to himself/herself or to the audience.

sibilance – figure of speech in which the letter 'S' is repeated. This often creates a hissing sound.

Characters

Alonso – King of Naples

Sebastian – Alonso's brother

Ferdinand – Alonso's son

Antonio – Prospero's brother. Antonio stole Prospero's title as Duke of Milan.

Gonzalo – the old counsellor to the King of Naples

Trinculo – a jester

Stephano – a drunken butler

Prospero – the rightful Duke of Milan

Miranda – Prospero's daughter

Ariel – an airy spirit; a slave of Prospero's who earns his freedom

Caliban – a savage and deformed slave of Prospero's; a native of the island

Vocabulary: Keywords

colonialism – when one country establishes itself in another country. When someone **colonises** a new country, they are called a **coloniser**. The original inhabitants of the land are called **natives**.

imperialism - a policy of extending a country's power and influence through colonization, use of military force, or other means.

usurp – to take control of someone else's power when you do not have the right to. Someone who usurps is called a **usurper**.

tempest – a violent storm.

treason – a crime that harms your country or government. Someone who commits treason is a **traitor**.

callous – when someone is cruel and does not care about other people.

pathos – a situation that makes us feel sympathy or sorrow.

exploitation – taking advantage of someone for your own benefit

nurture – to encourage or support the development of someone or something.

dual nature - having two sides.

Background Information

Shakespeare was born in the Elizabethan era, named after Elizabeth I. After she died, James I became king. This period of history is called the **Jacobean** era, because Jacob is the Latin for James. Shakespeare lived and worked in both eras.

Italian city states - A city-state is an area that is ruled by a major city. During the Elizabethan and Jacobean era, Italy wasn't one unified country, but a number of small independent city-states.

Sea exploration was booming in the Elizabethan era as people 'discovered' new parts of the world. Queen Elizabeth I was obsessed with their discoveries and was happy to pay for their travels. Led by her example, the rest of the country were also fascinated by their stories and goods. Colonialism has had a lasting impact on the world. Many natives were exploited and killed by the white European colonisers. Issues of colonialism; such as racism and slavery are important to the play.

<u>'The Tempest' GS Knowledge Organiser</u>

The Tempest Plot Summary	The End Act 4, Scene 1 and Act 5, Scene	e 1	Vocabulary: Keywords	
The Tempest Act 1, Scene 1	A marriage and celebrated with a masque attended when Prospero recalls the threat from and and and	is arranged ed by spirits. It is interrupted ,	colonialism The original inhabitants of the land are called	
			usurp –	
After the Storm Act 1, Scene 2 From a nearby,watches the huge She lives with her father and has little of her life before the Prospero tells his daughter of their: he was the twelve years ago, but he was so involved with his and secret that he did not realise his	Epilogue Prospero declares that he will		imperialism -	
was stealing power from him			tempest –	
	Terminology: Keywords comedy –		treason –	
Ariel and Caliban Act 1, Scene 2 into Act 2, Scene 1	soliloquy –		callous –	
Prospero is a powerful who controls the spirit who completes tasks for him	sibilance -	pathos –		
is a deformed savage who is also under Prospero's	Characters in The Tempest	4	exploitation –	
Kind Alonso Act 2, Scene 1	Sebastian –	-	nurture –	
	Ferdinand –	_	dual nature –	
		Historical Context of 7	The Tempest	
	Antonio –	Shakespeare was born in t	heera, named after Elizabeth	
Caliban, Stephano and Trinculo Act 2, Scene 2 and Act 3, Scene 2 The monster is found by Stephano and Trinculo.	Gonzalo –			
	Trinculo –	Italian city states - A	is an area that isby a	
	Stephano –	major		
	Prospero –		ning in the Elizabethan era as people	
Ferdinand and Miranda Act 1, Scene 2 and Act 3, Scene 1	Miranda –	alscovered new parts of	the world	
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	Caliban –	European colonisers. Issues are important to	s of; such asand	





What we are learning this term:

- A. Movement
- Breathing and Fitness
- C. Effect of drugs
- D. Aerobic and Anaerobic respiration
- Reproduction and Heredity

6 Key Words for this term

1. Chromosomes

Anaerobic

- 4. Respiration
- Exchange

- 5. Aerobically

6. Cilia

What are the 4 functions of the Skeletal System?

Movement, support, protection and making red blood cells

Support – what is the main function of the spine?

The spine supports the upper body and allows us to stand upright.

Protection – what is the function of the following:

Ribcage	Protects the heart and lungs
Cranium (skull)	Protects the brain

Making blood cells - what part of the bone makes blood cells?

Bone marrow produces:

- **Red blood cells** (which transport O₂ and CO₂)
- White blood cells (some of which fight disease)
- Platelets (which cause blood clotting e.g. when we cut ourselves)

Why are bones hollow?

Long bones in the body are hollow - in the middle of the bone is a marrow cavity. The cavity contains bone marrow, from which blood is produced.

A. Movement and muscles

What are the following:

Ligaments

Muscles	A collection of tissues which can contract and relax, causing other body parts (including bones) to move.
Tendons	Muscles are attached to bones by tendons. They are a strong, flexible tissue attaching a muscle to a bone.

How does the muscular system help us move?

This system allows us to move by contracting and relaxing our muscles

How do your muscles move your bones? A.

Muscles exert a force on bones to move them.

A. What is Biomechanics?

Biomechanics is the working together of the skeletal system and the muscular system to help us move.

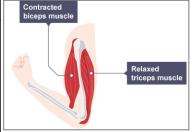
Bones are attached to each other by ligaments.

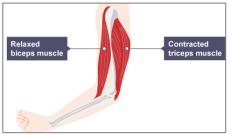
What are antagonistic muscles?

In order to move bones in two directions (e.g. bending then stretching your arm), muscles are paired antagonistically (one moves the bone in one direction, the other in the opposite direction).

How do they work?

- To raise the forearm, the biceps contracts and the triceps relaxes.
- To lower the forearm again, the triceps contracts and the biceps relaxes.





What is Osteoporosis A.

Osteoporosis is a condition in which someone loses bone density, making their bones fragile so they are more likely to break bones.

What are rickets?

Rickets can be caused by a deficiency of calcium or vitamin D. Rickets causes bone pain, and soft bones which can deform.

A. What happens if you overstretch a tendon?

Over-stretching a tendon can cause it to snap. Tendons will heal themselves but become shorter in the process because the two severed ends overlap to heal, reducing flexibility

What is Tendonitis?

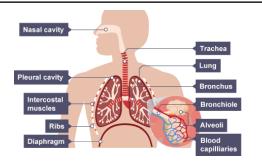
As the body tries to heal a tendon, it will swell and become painful. This is called tendonitis, and includes tennis elbow.





B. What is the Respiratory System?

The organ system responsible for exchanging gases with the environment.



How does the respiratory system work?

- Air enters the body through the nasal cavity.
- Travels down the trachea, then one of two bronchi,
- Travels to one of many bronchioles and ends up in the alveoli.
- Oxygen diffuses into the blood stream.
- Carbon dioxide diffuses in the opposite direction,
- It then follows the reverse of the above journey, to leave the body.

В.	Measuring lung capacity: what do the following terms mean?		
Vital ca	pacity	The volume of air you can breathe out after breathing in as much as you can.	
Residua	al volume	Volume of air left in the lungs after breathing out as much as you can.	
Tidal volume		Volume of air in a normal breath (in or out).	

What can you use to measure Lung Capacity?

A spirometer

What is the equation for lung capacity?

 $Lung\ capacity = vital\ capacity + residual\ volume$

B. | What is Ventilation?

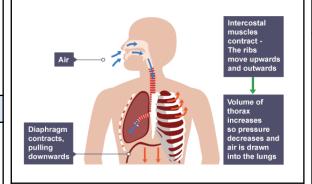
Ventilation is the process of bringing gas in and expelling gas from the body.

Why are ventilation and Respiration different?

Respiration is a chemical reaction which happens in the body's cells and releases energy.

Ventilation is the process of bringing gas in and

Ventilation is the process of bringing gas in and expelling gas from the body.



B. What is Asthma?

Asthma is a disease where airways become inflamed. The muscles around the bronchioles **contract**, constricting the airways and making breathing difficult.

What triggers Asthma?

Asthma is **non-communicable** but can be **triggered** by environmental factors such as infections, allergies and exercise

How can it be treated?

Asthma is treated using steroids.

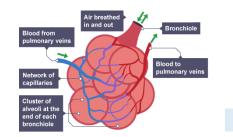
B. Where does gas exchange happen?

The lungs are the site of gas exchange between the body and the environment.

Oxygen for respiration diffuses into the bloodstream and waste carbon dioxide diffuses out of the blood into the alveoli, from where it is expelled in ventilation.

What are Alveoli?

Balloon-like structures which are responsible for exchanging oxygen and carbon dioxide between the blood and the lung cavity



The alveoli

What adaptations do the alveoli have?

- 1. High surface area thanks to their balloon-like shape
- Many capillaries give a good blood supply for gas exchange
- B. Walls only one cell thick
- 4. Moist walls pick up gases (gases dissolve in water)

What is Diffusion?

Diffusion is the net movement of anything (for example, atom, ions, molecules) from a region of higher concentration to a region of lower concentration.

B. What effects can smoking have on the gas exchange system?

- Destroys cilia in the airways so they are less able to sweep mucus containing pathogens out of the lungs, leading to smoker's cough
- 2. Irritates the bronchi, causing bronchitis
- 3. Destroys alveoli, reducing the surface area for gas exchange and causing **emphysema**
- 4. Cigarette smoke contains **carbon monoxide** (CO) which binds to red blood cells, so they can carry less oxygen to cells and the **heart has to work harder**
- 5. Increases the risk of lung, throat, mouth and oesophagus cancers



Examples include: Caffeine, Cocaine, Ecstasy



What benefits come from regular exercise?

Regular training has the following effects:

- Heart muscles are strengthened
- Cardiac output increases
- Resting heart rate is lower (fewer beats needed because heart muscles are stronger)
- Recovery (returning to resting heart rate) happens more quickly after exercise

Why do you breathe quicker during exercise?

More oxygen is required as body is working harder.

C.	What is a drug?
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A drug is a substance that affects the way your body works

C.	What are the 2 types of recreational drugs, and what effect do they have on the body?				
Sti	nulants	Depressants			
	Stimulants cause the nervous system to carry nerve impulses faster They can increase reaction times	 Depressants cause the nervous system to slow down They can decrease reaction times They can stop vital organs working, and stop parts if the 			
•	But can also speed up heart rate, and put strain on the body	brain working Examples include: Alcohol. Heroin, Solvents			

D. What is Respiration?

Respiration is a chemical reaction that releases energy from food molecules.

Why is respiration important?

An organism can the use the energy produced by respiration is several different ways including:

- To build large molecules from smaller ones (grow)
- To move

D.

To keep warm

What are	the 2	types	of resp	iration?
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	Aerobic	Anaerobic
Main difference?	With Oxygen	Without Oxygen
Where does it take place?	Mitochondria	Cytoplasm
What is the equation?	glucose + oxygen → carbon dioxide + water	In animals: glucose → lactic acid In plants/yeast: glucose → ethanol and carbon dioxide
Which produces the most energy?	Aerobic respiration produces more energy	Anaerobic produces less energy

What happens when Lactic Acid builds up in muscles from anaerobic respiration?

If lactic acid builds up in muscle cells it causes fatigue.

How does the body get rid of lactic acid?

We continue to have an elevated heart rate and breathing rate after exercise so that more oxygen enters the cells. This oxygen reacts with the lactic acid removing it from our muscles allowing them to work efficiently again.

What is fermentation?

When plants/yeast respire anaerobically, they produce ethanol and carbon dioxide.

What are the uses of fermentation?

It is useful as the ethanol can be used to make alcoholic drinks and the carbon dioxide is what makes bread rise.

Who discovered DNA?

Rosalind Franklin and Maurice Wilkins 1952

Using x-ray photography, Franklin and Wilkins produced high-resolution photographs of DNA fibres. They used these to deduce that DNA had a helical structure and that the outside of the molecule contained phosphates

James Watson and Francis Crick 1953

Using the x-ray data from Wilkins and Franklin, and using models, Watson and Crick managed to discover the double-helix structure of DNA. They and Wilkins were awarded the Nobel Prize in 1962.

What is DNA?

Deoxyribonucleic acid - the genetic material of all organisms

What is a double helix?

Two helical strands wound around each other





E. What makes up DNA?

- DNA has a double helix structure with two sugar-phosphate backbones wound around each other.
- Pairs of complementary bases connect the two backbones (strands)

What are the 4 bases and how are they paired?

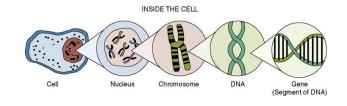
- The bases are adenine, thymine, cytosine and guanine (A, T, C, and G)
- A has a complementary shape to T
- · C has a complementary shape to G

What are Chromosomes?

DNA wound up tightly. There are 23 pairs in human cells (but a different number of pairs in other species)

What are Genes?

A short section of DNA which codes for characteristics



E.	What are the different types of reproduction and how are they different?					
		Sexual reproduction	Asexual reproduction			
How many parents?		2 parents	1 parent			
Will offspring inherit features from parents?		Offspring have features of both parents	Offspring are clones of the 1 parent			

E. What is Heredity?

Heredity is the process by which genetic information is transmitted from one generation to the next

What is a Genetic Disease?

Genetic diseases are passed on from parents to children through their genetic material. Children will be born with the disease

E. What is Gestation?

Gestation describes the development of a foetus in the womb.

What does a foetus need to develop?

In order to do all of this growing, the foetus needs to get **nutrients** and **oxygen**.

How does a foetus get what it needs to develop?

Since they can't eat or breathe, they get this from the mother's blood.

Nutrients and oxygen **diffuse** from the mother's blood into the baby's blood vessels, then **umbilical cord** in the **placenta**.

prenatal week: Embryonic stage				Fetal stage			Full term	
3 4	5	6	7	8	9	16	32	38
CENT	AL NERVOUS SYS	STEM						
	PER LIMBS EYES OWER LIMBS EARS		TEETH PALATE EXTE	FRIVAL GENT	TALIA			

What is the Placenta?

Cigarettes

An organ which develops during pregnancy, and supplies the developing foetus with oxygen and nutrients, while also removing waste.

A tube which connects the baby to the placenta.

What is the Umbilical cord?

E. How can an expectant mother's behaviour affect her unborn baby?

The mother's behaviour during gestation can affect the development of the unborn baby because of the transfer of substances across the placenta.

Alcohol

What problems can be caused by different drugs during gestation?

- 3	
th e C	Reduces the volume of oxygen which reaches the baby's cells, affecting their ability to release energy. (Nicotine narrows blood vessels, Carbon monoxide in smoke inhibits red blood tells from carrying oxygen)
1	

- Increases the risk of **premature** (early) birth, **stillbirth** (death of the foetus), **cot death** (death of the new-born) and **low birth weight** caused by growth impairment
- Children whose mothers smoked during gestation are more likely to experience:
 - learning disorders
 - · behavioural problems
 - low IQ
 - asthma

Physical defects e.g. small head size, low birth weight

- Cerebral palsy (movement and coordination problems)
- Behavioural differences including autistic traits and attention-deficit hyperactivity disorder (ADHD)
- Problems with **organs** including the liver, kidneys, and heart
- Learning difficulties

Other illegal drugs

Neonatal abstinence syndrome occurs when a mother has taken a drug which causes **dependency**, during gestation. The baby is born with a dependency on the drug.



Year 8 Term 4 Science/chemistry : Topic = 9CR Reactivty



What we are learning this term:

- A. Symbol equations
- B. Metals and non-metals
- C. Reactivity of metals
- D. Displacement reactions

8 Key Words for this term

- Reactant
 Reactivity
 Product
 Properties
- 3.Salts 7. Extraction
- 4. Displacement 8. Electrolysis

A. What is a symbol equation?

A symbol equation is a short-hand way of showing a chemical reaction using chemical symbols

What would the symbol equation be?
Potassium + Chlorine → Potassium Chloride

 $2K + Cl_2 \rightarrow 2KCl$

Why are symbol equations important?

- They are a quick way of showing a reaction.
- · They are universal all languages recognise them
- You can see how many of each molecule is used in the reaction if you balance it

B. What products are made when a metal reacts with water?

Some metals are so reactive they react with water. The products are hydrogen gas and a metal hydroxide

What are the word and symbol equations for the reaction of Sodium metal with water?

Sodium + Water → Sodium Hydroxide + Hydrogen 2Na +2 H₂O → 2NaOH + H₂

Which metals have a strong reaction with water?

Lithium, Sodium, Potassium and Calcium

В.	What differ	What differences are there between metals and non-metals?				
		Metals	Non-metals			
Where are they found in the periodic table?		Metals are found on the left of the periodic table	Non-metals are found on the right hand side			
What charge do they form?		Metals form positive ions (Lose electrons)	Non-metals form negative ions (Gain electrons)			

B. What products are made when a metal reacts with acid?

When a metal reacts with acid, a salt and hydrogen gas are made.

What is a salt?

A compound where a metal is bonded to a non-metal – example is sodium chloride

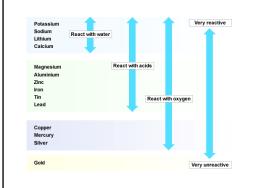
What are the word and symbol equations for the reaction of Sodium metal with Hydrochloric acid?

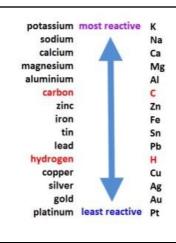
Sodium + Hydrochloric acid→ Sodium Chloride + Hydrogen 2Na +2 HCl → 2NaCl + H₂

C. What is the reactivity series?

A table which ranks metals on relative reactivity.

Can you come up with a way to remember the order of the metals in the reactivity series?







Year 8 Term 4 Science/chemistry : Topic = 9CR Reactivty



What	we are	learni	ina thi	is term:
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- A. Symbol equations
- B. Metals and non-metals
- C. Reactivity of metals
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8 Key Words for this term

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Potassium + Chlorine → Potassium Chloride?

Why are symbol equations important?

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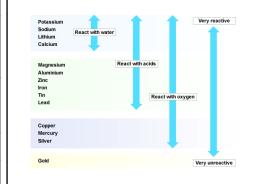
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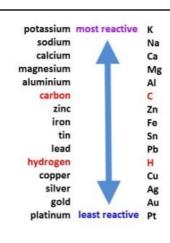
What is a salt?

What are the word and symbol equations for the reaction of Sodium metal with Hydrochloric acid?

C. What is the reactivity series?

Can you come up with a way to remember the order of the metals in the reactivity series?







Year 8 Term 4 Science/Chemistry: Topic = 9CR Reactivity



D, What is a displacement reaction?

A more reactive metal will displace a less reactive metal from its compounds

What will happen when Magnesium metal is added to copper sulphate solution?

Magnesium will displace copper to form Magnesium Sulphate and Copper

What is the word and symbol equation for this reaction?

Copper Sulphate + Magnesium \rightarrow Magnesium Sulphate + Copper CuSO₄ + Mg \rightarrow MgSO₄ + Cu

Why do displacement reactions happen?

A more reactive metal is more stable as an ion

D, What is Extraction by Carbon?

Carbon can displace elements that are below it from their compounds. This means they can be used to extract some metals from their ores.

Which metals is extraction by carbon used to extract?

Carbon can be used to extract metals from zinc downwards (Zinc, iron, tin, lead, copper)

What is an example word and symbol equation?

Example: Lead Oxide + Carbon → Lead + Carbon Dioxide
 PbO₂ + C → Pb + CO₂

This reaction is an example of a reduction reaction as the lead has lost oxygen.

What is a reduction reaction?

When an atom loses an oxygen atom

What are the downsides of using this method?

High temperatures needed. Very expensive. Production of ${\rm CO}_2$.

D, What is an ore?

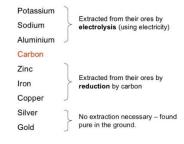
Most metals are found in compounds in the Earth's crust. We call these compounds **ores.** You usually dig them up and extract the metal.

What is a Native metal?

A metal which does not need to be extracted from its compound.

D, How are some metals extracted?

Metals are either found in the ground as a native metal, extracted by carbon, or extracted by electrolysis



D, What is electrolysis?

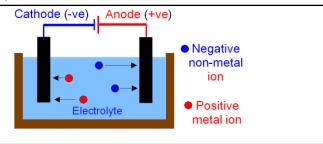
The breaking down of a substance using electricity

Which metals are extracted by electrolysis

Metals more reactive than carbon - potassium, sodium, aluminium

What are the downsides of this method?

It is very expensive, compounds have to be molten or in solution for it to work





Year 8 Term 4 Science/Chemistry : Topic = 9CR Reactivity



D,	What is a displacement reaction?	D,	What is an ore?
What wi	Il happen when Magnesium metal is added to copper sulphate ?	What	is a Native metal?
\A/la at ia i	she wand and armshall associan for this processor.	D,	How are some metals extracted?
wnatis	the word and symbol equation for this reaction?		
\A//	dianta a mand na actiona hannano		
wny ao	displacement reactions happen?		
D, '	What is Extraction by Carbon?		
Which m	netals is extraction by carbon used to extract?	D,	What is electrolysis?
		Whicl	n metals are extracted by electrolysis
What is	an example word and symbol equation?		
		What	are the downsides of this method?
What is	a reduction reaction?		Cathode (-ve) Anode (+ve)
			_ ● Negative
What are	a the downeides of using this method?		non-metal
vvnat are	e the downsides of using this method?		•
			● Positive metal ion



Year 8 Term 4 Science/Chemistry: Topic 9CE Energetics and Rates



What we are learning this term:

A. Types of reaction

C. Energy in Reactions

B. Catalysts

5 Key Words for this term

- 1. Decomposition
- 4. Endothermic

2. Oxidation

A.

- tion 5. Displacement
- Exothermic

What is a chemical reaction?

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

What is Thermal Decomposition?

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

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

Thermal decomposition is an endothermic reaction - it takes in more energy than it gives out

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



Magnesium carbonate \rightarrow Magnesium Oxide + Carbon dioxide ${\rm MgCO_3} \rightarrow {\rm MgO} + {\rm CO_2}$



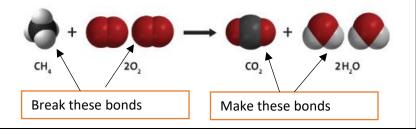
A. What is Combustion?

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

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

Combustion is a exothermic reaction- it gives energy into the surroundings. It gives out more energy than it takes in.

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



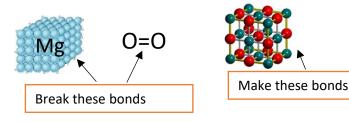
What is oxidation?

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

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

Oxidation reactions are mostly exothermic reactions- giving energy to the surrounding. It gives out more energy than it takes in

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





Year 8 Term 4 Science/Chemistry: Topic 9CE Energetics and Rates



What we are learning this term:

A. Types of reaction

C. Energy in Reactions

B. Catalysts

5 Key Words for this term

1. 2.

4.

5.

- 3.
- Α. What is a chemical reaction?

What is Thermal Decomposition?

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

Zinc Carbonate → Examples:

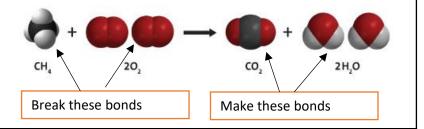
Magnesium carbonate →



What is Combustion?

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

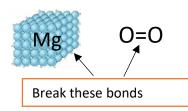
Examples: methane + oxygen →

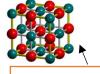


What is oxidation?

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

Examples: Magnesium + Oxygen →





Make these bonds



Year 8 Term 4 Science/Chemistry: Topic 9CE Energetics and Rates



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

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

B. What is the rate of a reaction?

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

What factors can affect rate of reaction?

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

B. What is a catalyst?

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

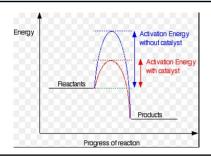
They are specific to each reaction

B. How do catalysts work?

Catalysts speeds up a reaction by:

- · Lowering the activation energy
- · More particles will now have sufficient energy to react

How can you show this on a reaction profile?



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

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

C. What is Activation energy?

The minimum energy required for a successful collision between reactants

What is a reaction profile?

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

C.	What are exc	thermic and endothermic reactions?			
		Exothermic reactions	Endothermic Reactions		
What are they?		A reaction in which energy is transferred from the reacting substances to their surroundings	A reaction in which energy is transferred to the reacting substances from their surroundings.		
		Heat Energy Products	Heat energy Reactants Products		
Do things warm up or cool down? Temperature increases: Energy is transferred to surroundings			Temperature decreases : Energy is absorbed from the surroundings		
Bond making or breaking?		Bond making is an exothermic process	Bond breaking is an endothermic process		
Reaction profile		Reactants Reactants Products Progress of reaction	Activation energy Energy change Reactants Progress of reaction		



Year 8 Term 4 Science/Chemistry : Topic 9CE Energetics and Rates

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¢;	200	00

В.	What 2 things to happen	ngs do you need for a successful reaction ?	C.	What is Activ	ation energy?	
1.	•					
2.		What is	s a reaction p	rofile?		
B. What is the rate of a reaction?						
			C.	What are exc	othermic and endothermic reactions?	
	factors can	1.				1
reacti	rate of on?	2. 3.			Exothermic reactions	Endothermic Reactions
		4.	What ar	e they?		
В.	What is a	catalyst?				
B. How do catalysts work?						
How	can you show	w this on a reaction profile?	Do thing cool dov	gs warm up or vn?		
			Bond making	aking or g?		
			Reaction	n profile		
В.	B. Why aren't catalysts written in the chemical equation of a reaction?					





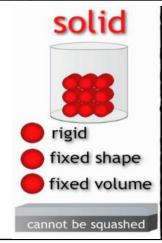
What we are learning this term:

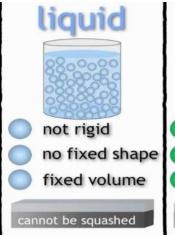
- A. Particle Model
- B. Brownian Motion and Diffusion
- C. Pressure and Density
- D. Physical and Chemical changes

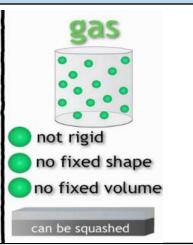
2 Key Words for this term:

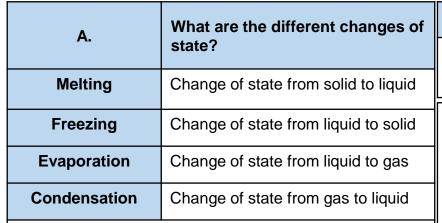
- 1. Density
- 2. Compression

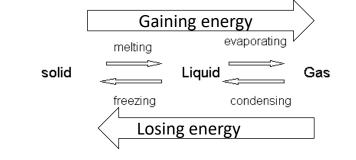
A. Describe the properties of the three states of matter





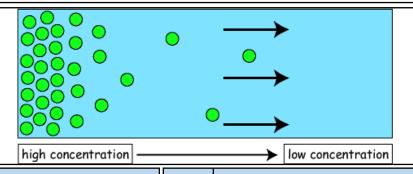






B. What is Brownian Motion?

The **random motion** of small particles in fluids due to their bumping into even smaller particles.



B. What is diffusion?

Movement of particles from a higher concentration to a lower concentration.

B. What is the equation to calculate concentration?

 $Concentration = \frac{mass\ of\ solute}{volume\ of\ solvent}$





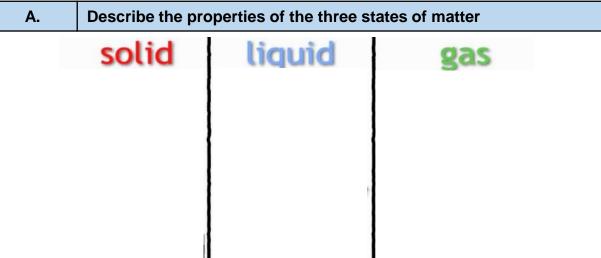
What we are learning this term:

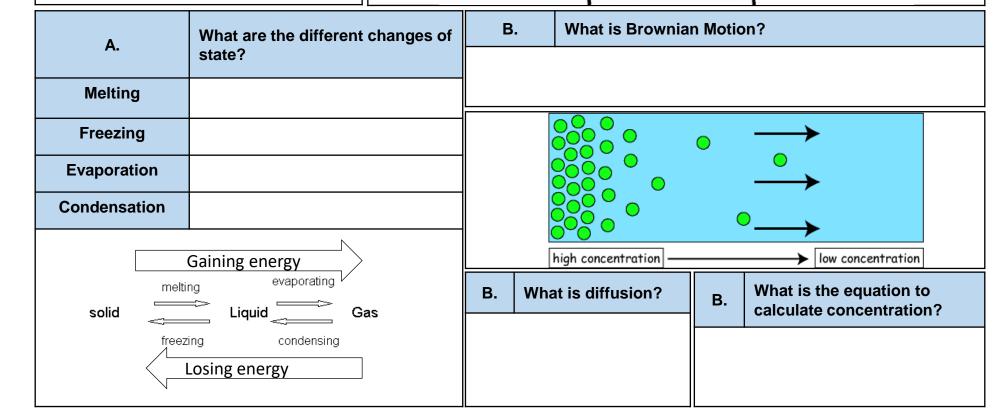
- A. Particle Model
- B. Brownian Motion and Diffusion
- C. Pressure and Density
- D. Physical and Chemical changes

2 Key Words for this term:

1.

2.









C. State the equation to calculate density.

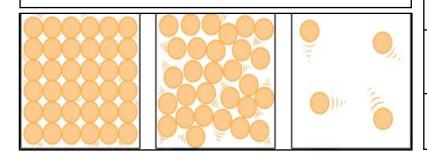
$$Density = \frac{mass}{volume}$$

- It is a measure of how many particles fit in a certain unit of volume.
- · Solids are denser than liquids.
- · Liquids are denser than gases.
- There is an exception: ice (solid water) is less dense than liquid water.

C. State the equation to calculate pressure.

$$Pressure = \frac{force}{area}$$

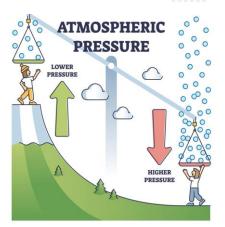
- Pressure is a compound measure of how much force acts on a particular unit of area.
- Pressure increases if the force acting on an area increases.
- Pressure increases if the area a force acts on decreases.

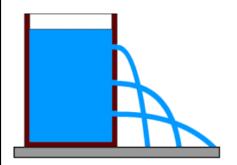


C. Pressure in fluids:

Atmospheric pressure decreases with increase of height, as weight of air above decreases with height.

Pressure in a liquid is different at different depths, it increases deeper down due to the weight of the column of water above.





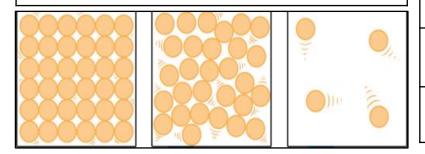
B.	Compare chemical changes and physical changes.		
Chemical changes		Physical changes	
Not e	asily reversed	Easily reversed	
New product formed		No new product formed	
Often heat/light/sound/gas production (fizzing) occurs		Often just a change of state	
E.g: wood burning		E.g: ice melting	



C. State the equation to calculate density.

- It is a measure of how much stuff fits in a certain unit of volume.
- Solids are denser than liquids.
- · Liquids are denser than gases.
- There is an exception: ice (solid water) is less dense than liquid water.
- C. State the equation to calculate pressure.

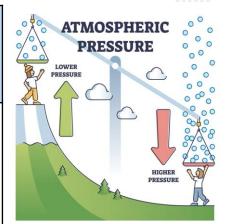
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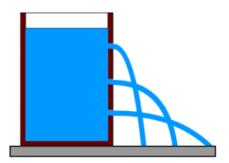


C. Pressure in fluids:



Pressure in a liquid





B.	Compare chemical changes and physical changes.		
Chemical changes		Physical changes	
		Easily reversed	
New	product formed		
		Often just a change of state	
Eg		Eg	



Geography Knowledge Organiser: Year 8 Term 4 Weather and Climate



Background:

- Weather and climate are different, however both are influenced, measured and described by a few factors. (A)
- 2. The climatic conditions of an area are determined by several factors. **(B)**
- 3. There are four distinct climatic zones in the UK, which are determined by the direction of the prevailing wind. *(C)*
- 4. Precipitation is caused when warm air rises. There are three ways that this can happen. (B, D)
- 5. High pressure air systems bring warm, settled weather conditions. *(E)*
- 6. Low pressure air systems bring wet, changeable weather conditions. *(F)*
- 7. Tropical storms (an example of a low pressure climatic hazard) need certain conditions to form. **(G)**
- 8. Hurricane Katrina is a famous tropical storm that affected the USA in 2005. (H)

A.	Weatl	ner and climate (5)		
Weather		The day-to-day conditions of the atmosphere which change quickly.		
Climate		The average weather conditions over longer periods of time.		
Precip	itation	Any form of water falling from the sky.		
Humid	ity	The amount of moisture in the air.		
Air pressure		The force exerted onto the Earth's surface by the weight of the air.		
B.	Factor	s affecting weather and climate (4)		
Latitude		Higher latitudes are colder. Lower latitudes (nearer the equator) are hotter.		
Winds		Wind can bring different weather conditions depending on where it comes from.		
Altitude		Higher areas get more rainfall and are		

colder than low land.

Can be 2.2°C warmer than the surrounding rural areas.

Urban areas

	C.	The UK's air masses (4)				
	Tropica maritin		Wind from the south west brings wet weather, with warm temperatures in the summer, but mild in the winter.			
	Tropical continental Polar continental		Wind from the south east brings dry weather with hot temperatures in the summer, but mild in the winter.			
			Wind from the north east brings dry weather with cold temperatures in the summer, and often freezing conditions in the winter.			
	Polar maritime		Wind from the north west brings wet weather with cold temperatures.			
l						

	D.	D. The types of precipitation (3)			
	Convectional		Produced when warm air rises, cools and condenses, forming clouds and then rainfall.		
	Frontal		Warm air meets cold air and rises because it is less dense. It cools, condenses forming clouds, then precipitation.		
_	Relief		Warm air is forced to rise as it meets a hill or mountain. It cools at high altitude, condenses and forms clouds, then precipitation.		

E.	High pressure systems							
How is the air moving?		Areas where air is sinking, this air has little moisture.						
Conditions (3)		Positive impacts (2)	Negative impacts (2)					
sky. 2. H wea	alm weather with a cloudless of weather in summer, cold ther in winter. orning frost is common.	Lots of sunlight means farmers can grow more crops. Increase in tourism, which boosts the local economy.	Places such as Spain and Portugal are at high risk of forest fires during prolonged dry periods. Can cause fog in the winter, which can lead to traffic accidents.					

o. Morning froot to common.	booto the local coeffeing.	ioda to tramo docidento.					
F.	Low pressure systems						
How is the air moving?	Air is rising, it cools and cond	Air is rising, it cools and condenses causing high levels of precipitation.					
Conditions (3)	Positive impacts (2)	Negative impacts (3)					
 Unsettled weather which can change quickly. High winds and high cloud cove Precipitation occurs as rising air cools and condenses. 		1. Low pressure systems can cause large, destructive storms. 2. Bad weather can harm the tourist industry as tourists are put off. 3. Areas can be flooded.					

00013	and conde						
G.	Causes	Causes of tropical storms (3)					
High temperatures		Oceans have to be 26.5°C or higher.					
Weather system		A low pressure system means air rushes in and causes high winds.					
Deep ocean		Warm water is the p for a tropical storm a 60 metres deep or m	and should be				

Н.	Case study example: Hurricane Katrina 2005							
Whe	ere?	New Orleans,	, south coast of the USA.					
Effects (3)			Responses (2)					
1. 1,836 died. 2. 10,000 people homeless. 3. Floods were up to 3 metres deep in places.		eople ere up to 3	 \$105 billion was spent on rebuilding. 10,000 people evacuated to the Superdome for shelter. 					

Geography Knowledge Organiser: Year 8 Term 4 Weather and Climate Background: The UK's air masses (4) The types of precipitation (3) 1. Weather and climate are different, however both are Tropical Convectional influenced, measured and described by a few maritime factors. (A) 2. The climatic conditions of an area are determined by Tropical several factors. (B) Frontal continental 3. There are four distinct climatic zones in the UK, which are determined by the direction of the Polar prevailing wind. (C) continental 4. Precipitation is caused when warm air rises. There Relief are three ways that this can happen. (B, D) Polar maritime 5. High pressure air systems bring warm, settled weather conditions. (E) 6. Low pressure air systems bring wet, changeable weather conditions. (F) E. **High pressure systems** 7. Tropical storms (an example of a low pressure How is the air moving? Areas where air is sinking, this air has little moisture. climatic hazard) need certain conditions to form. (G) 8. Hurricane Katrina is a famous tropical storm that Conditions (3) Positive impacts (2) Negative impacts (2) affected the USA in 2005. (H) Weather and climate (5) A. Weather Climate F. Low pressure systems How is the air moving? Precipitation Conditions (3) Positive impacts (2) Negative impacts (3) Humidity Air pressure Factors affecting weather and climate (4) Latitude H. Causes of tropical storms (3) Case study example: Hurricane Katrina 2005 Winds High Where? temperatures Effects (3) Responses (2) Weather Altitude system Urban areas Deep ocean

Year 8 Unit 4 Age of Exploration

Er

A. African Kingdoms before the 16th Century

translator

- Ghana- very advanced and prosperous. Traded in gold, salt and copper.
- Benin-skilled in ivory carving, pottery, rope and gum production.
- Slavery existed before Europeans arrived in Africa, but it was very different to the slave trade.
- Charles II and his brother James establish the Royal African Company in 1672 to trade with Asia and India. Later relied on slave labour to earn it profit.

B. Key Events that led to Columbus sighting land in the New World **Sponsorship Contact with Natives Expedition** - King Ferdinand and - Four weeks without - Columbus came into Queen Isabella of contact with peaceful sighting land – men Spain agreed to natives and found that they losing moral sponsor Columbus were wearing small items - Running out of food voyage. of gold jewellery. and water - men - This was because - They did not tell him wanted to turn back where they got the gold they wanted to - Columbus convicted from, however seeing spread Christianity to them to stay for 4 newly discovered these gold items spurred more days, if they lands and to give him on to continue didn't sight land within Spain international those days then they exploring in the hopes of finding their gold reserves. would turn back status. - Columbus took precious - On the second day a - This meant metals, exotic food and sailor sighted land Columbus was able animals back to Spain to hire a crew. 3 ships and a led to further exploration.

tiansiator.				
I			C. Conquistadors	
I	Balboa		Cortez - Mexico	Pizarro - Peru
	- Established the first European settlement on the American mainland (Darian) - Tortured the natives in his position as governor of Darian Explored and took back pearls for Spain.	Te ca - () wi (N to civ ch -)	Found stockpiles of gold at enochtitlan the Aztec spital city Got into a disagreement th their leader fontezuma) and decided invade the city. Aztecs were a stone age vilisation so stood no nance Fenochtitlan destroyed and built over.	- Landed in Peru and brought with him European diseases - ravaged the population Defeated an Inca force of 80,000 with 168 men due to the panic and confusion of his cannons and horses Inca bought him off with rooms of gold and silver.

Key dates

1607-1732 - British Colonies were formed

1807 – The slave trade was abolished by Parliament (slaves could still be owned but buying and selling was illegal)

1833 - Slavery was abolished

Can you define these key words?
The transportation by slave traders of enslaved African people, mainly to the Americas from the 16th to the 19th century.
A group of countries ruled over by a single monarch or ruling power
A large area of farmland on which crops are grown by workers (typically slaves) who live on the farm.
Child labourer made to crawl below spinning machines and collect loose cotton
Spanish armed adventurers who conquered parts of North and South America
The act of officially ending or stopping something, e.g. slavery.
The sea journey undertaken by slave ships from West Africa across the Atlantic Ocean to The Americas.

E. How did Britain benefit from the Slave Trade?

L. How did Britain benefit from the Slave Trade:									
mployment (Workers)	Investment	Trade							
The slave trade provided thousands of jobs e.g. in Liverpool by 1774 there were eight sugar refineries and fifteen rope factories all of which provided plenty of new jobs These factories made chains, anchors, rope and iron, copper and brass goods for the slave ships. Liverpool had a population of 5000 in 1700 but 78 000 in 1800 due to slave trade employment.	 Money poured into Britain from the slave trade Banks did well by lending money to traders, but slave merchants also used their profits to set up important banks The trade was so profitable that it was not just the rich who wanted to be part of itmany tradespeople bought a share in a slave ship. This money was used to improve and invest in things like education which impacted everyone in Britain. Slaves bought for £3 and sold for £20. 	In a period that saw Britain industrialise, profits could be made by exporting manufactured British goods to Africa and then further profits made from imported slave products such as sugar, which became very fashionable with the British people. The slave trade was important in the development of the wider economy The slave trade played an important role in providing British industry with access to raw materials (cotton). This contributed to the increased production of manufactured goods (leading to the Industrial Revolution)							

		Year 8 Unit 4 A	ge of Ex	plorat	ion		
A. African Kingd	oms before the 16 th Century		Key dates				
			1607-1732 - 1807 - 1833 -	-			
			C.	Can you d	lefine these key words?		
			Transatlantic Slave Trade				
A. Key Eve	nts that led to Columbus sighting	and in the New World	Glave Trade				
Sponsorshi	p Contact with Natives	Expedition	Empire				
			Plantation				
			Scavenger				
			Conquistado r				
			Abolition				
			Middle Passage				
				D. Hov	w did Britain benefit from the	Slave Trade?	
			Employ (Work	ment	Investment	Trade	
	B. Conquistadors) (VVOIR	ers)			
Balboa	Cortez - Mexico	Pizarro - Peru					

Year 8 Religious Education: The Philosophy of Religion

A. Can	you define these key words?	B.	Design Argument	C.	Cosmological Argument			
Key word	Key definition	• This is t	he argument for the existence of God based on evidence	• This is	the argument for the existence of God which argues that			
Omnipotent	The belief that God is all-powerful	of desig	n in the world.	God is th	ne cause of the universe.			
Omniscient	The belief that God is all-knowing	For exa	es of design include purpose and regularity in the world. nple, the laws of physics mean the planets move around	somethi	n the world must have a cause – if a door opens then ng must have opened it – this argument suggests that			
Omnibenevolent	The belief that God is all-loving	1	in a regular and ordered way. The human eye has all the x structures to enable it to fulfil a purpose- vision	 there must have been a first cause to begin life in the universe and that first cause is God. Something cannot come from nothing, therefore something must have caused the world into existence. Without a first cause there 				
Theism	The belief in God	1						
Atheism	Disbelief or lack of belief in God			could be	e no second cause etc.			
Agnosticism	The belief that nothing can be known	1						
	about the existence or nature of God	D.	The Problem of Evil	E.	Religious Experience			
Empirical evidence	Evidence for something based on observation or experience	11			This is an experience which has a religious meaning for the person who experienced it.			
Analogy	A comparison between things that have similar features, often used o help explain a principle or idea.	 If God i omnisc attribute 	nines belief in an omnipotent and omnibenevolent God. s meant to be omnibenevolent, omnipotent and ient, then the existence of evil cancels out one of these tes of God.	 Religious experiences are where you experience God. It can include visions / dreams where you are visited/ hearing God/ seeing a miracle/ prayers being answered or just feeling the 				
Theodicy	An argument which defends God against the problem of evil.	The include theism,	oblem of evil is frequently known as the inconsistent triad. onsistent triad is only a challenge to the god of classical / monotheistic Abrahamic faiths, as this is the description	 presence of God/ Near death experiences Bernadette at Lourdes had religious experiences where the Virgi Mary spoke to her. 				
Fallacy	A mistaken belief, especially one based on unsound arguments.	of God	they offer.					

F. Criticisms
Design Argument

- God is supposed to be perfect therefore how can there be flawed design such as corruptions in DNA which cause cancers or damage to bodies
- The 'Design' of the world may be coincidence.
 For example, sometimes we see pictures in
 the clouds, like a rabbit or a face. We know
 this is just a random coincidence. Just like
 clouds that move into and out of shape
 quickly, without a designer, the atoms in the
 universe have moved into this shape and will
 move out of it again before long. We think we
 see design, but it is just coincidence

Cosmological Argument

- Just because something is true of the part, it does not mean it is true of the whole- eg a brick is small, so a wall is small.
- Our understanding of the universe is limited to the world around us – because things require a cause in this world, does not mean that the entire universe requires a first cause.
- If the existence of God as a 'necessary' being without a cause can be a fact, why can't the universe itself just be a 'brute fact'?

Theodicies

- Many religions explain the origin of evil in the world – such as in Christianity with Adam and Eve and the original sin.
- God gave humans free will, and through free will humans can choose evil.
- Some people argue that experiencing the bad in the world allows humans to grow and develop.
- Do we need evil to understand what good is?
 If we lived in a world that was all red, we
 wouldn't have an understanding of what red
 really meant. So if we lived in a world that was
 only good, would we understand what good
 really meant?

Religious Experience

- There is no evidence that people who claim to have had religious experiences are telling the truth.
- Factors such as certain foods, drugs and alcohol make people have strange feelings.
- There have been times when there seems to be an increase in reported religious experiences.
- If God is able to give people religious experiences that they cannot deny, why doesn't He give them to everyone so there is no doubt that God exists?
- People who have religious experiences have often had some form of religious upbringing. Could this mean that they are more likely to think that a mysterious experience has an obvious explanation?

Year 8 Religious Education: The Philosophy of Religion

А. С	Cany	ou define these key words?	,	В.	Design Argument		C.	Cosmological Argument
Key word	Carr y	Key definition		Б.	Design Argument		О.	Cosmological Argument
		Key definition						
Omnipotent								
Omniscient								
Omnibenevole	lent							
Theism								
Atheism								
Agnosticism								
				D.	The Problem of Evi	il	E.	Religious Experience
Empirical evidence								
Analogy								
Theodicy								
Fallacy								
F. Criticisms Design Argume	ent		Cosmological	Argument		Theodicies		Religious Experience
damage to The 'Design' pictures in We know the move into a designer, the moved into	here be in D bodie gn' of the conthe size in the conthe ato conthe size in the size in the ato conthe size in the	e flawed design such as NA which cause cancers or se world may be or example, sometimes we see ouds, like a rabbit or a face. flust a Just like clouds that aut of shape quickly, without a oms in the universe have shape and will move out of it g. We think we see design,	small. Our unde the world a the entire If the exis being wit	rstanding of the around us – bein this world tence of God a hout a cause ca	an it is true of the s small, so a wall is e universe is limited to ecause things required, does not mean that uires a first cause.	 Many religions explain the in the world – such as in Adam and Eve and the origin God gave humans through free will humans cale. Some people argue that explain the in the world allow and Do we need to unde is? If we lived in a world, we wouldn't have an red really meant. So if we live was only, would we what good really meant? 	with all sin. , and on choose evil. eriencing shumans to grow that was all of the world that world the din a world the world	claim to have had religious experiences are telling the truth. Factors such as certain and make people have strange feelings. There have been times when there seems to be an increase in reported experiences. If God is able to give people religious experiences that they cannot,



Year 8 Term 4 SPANISH Knowledge organiser: Topic = Adict@s a la moda



Tour o term 4 or Amort Milowicage organiser. Topio – Adiotes a la moda									
What we are learning th	nis term:	C. Si ganara la lotería	- If I won the lottery	Key Verbs					
Describing what you wear Describing fashion in greater detail		Si fuera millionario/a Si fuera possible Si ganara la lotería If I were a millionaire If it were possible If I won the lottery		Vestirse To get dressed	Comprar To buy		Probar To try on	Devolver To return (item)	Cambiar To (ex)change
D. Visiting a shopping			I would change my hairstyle	Me visto I get dressed	Compr I buy	0	Pruebo I try on	Devuelvo I return	Cambio I (ex)change
F. Fashion in the Hisp G. Translation practice		compraría un montón de ropa de marca	I would buy lots of designer clothes	Te vistes You get dressed	Compr You bu		Pruebas You try on	Devuelves You return	Cambias You (ex)change
6 Key Words for this te		unas gafas de sol de marca	designer sunglasses	Se viste s/he gets dressed	Compra		Prueba	Devuelve	Cambia
1. la moda 2. vestirse 3. la ropa	4. rebajas 5. lo/la/los/las	iría a la peluquería tendría un asistente	I would go to the hairdresser I would have a	Nos vestimos	s/he buy		s/he tries on		s/he (ex)changes
<u>'</u>	6. la talla	personal tendría un teléfono	personal assistant I would have an	We get dressed	Compr We buy		Probamos We try on	Devolvemos We return	Cambiamos We (ex)change
	así! – It's impossble to buy that!	movíl de lujo D. Esto es lo que llevo	expensive mobile	Se visten They get dressed	Compra They bu		Prueban They try on	Devuelven They return	Cambian They (ex)change
tiene un agujero está roto/a	It has a hole It's broken	la ropa	clothing	E. En el cent	ro comme		, ,		- At the shops
cambiar el cambio funcionar pedir probar quedar bien el reembolso ¿en serio? lo siento el tique de compra vale vender otros/as pocos/as todos/as varios/as B. Estrellas con est	to (ex)change exchange to work / function to ask for to try (on) to suit / fit refund really? I'm sorry receipt right/Good//ok to sell other few all several	Illevar ¿Qué Illevas? Llevo los calcetines la camisa la chaqueta la corbata la falda la gorra el jersey los pantalones el uniforme los vaqueros el vestido las zapatillas (de deporte) los zapatos bonito/a cómodo/a	to wear What do you wear? I wear socks shirt jacket tie skirt cap jumper trousers uniform jeans dress trainers shoes pretty comfortable	las alfombras la alimentació la azotea el jugete la jugetería el hogar la moda depo	comerciales por internet las tiendas pequeñas la agencia de viajes las alfombras la alimentación la azotea el jugete la jugetería el hogar la moda deportiva los muebles la planta baja el anuncio		ops gency ures/home ear door nop	la carnicería la chocolatería la joyería la panadería la papelería la perfumería la pescadería la tienda de disfraces la tienda de ropa la zapatería el abrigo abrir alquilar cerrar los complementos loco/a nuevo/a algunos/as	butchers chocolate shop jewellers bakery stationery shop perfume shop fishmongers fancy dress shop clothes shop shoe shop coat to open to rent / hire to close accessories crazy new some
amplio/a corto/a de cuadros estampado/a estrecho/a de flores hortera largo/a liso/a de lunares de rayas apropiado/a distinto/a	baggy short checked patterned tight floral tacky long plain spotted striped appropriate different	elegante guay tradicional este/este estos/estas ese/esa esos/esas aquel/aquella aquellos/aquellas la blusa la cinta para el pelo el cinturón el estilo	smart / stylish cool traditional this these that those that (further away) those (further away) blouse headband belt style	en línea hacer clic la oferta el ratón la variedad primero segundo tercero cuarto quinto sexto séptimo		online to click (offer mouse (variety first second third fourth fifth sixth seventh	computer)	ciertos/as muchos/as la camiseta el coche cuatro por cuatro el equipamiento propio/a la ropa de marca salir de fiesta	certain many T – shirt 4 x 4 vehicle equipment own (possessive) designer clothes to go out partying



Year 8 Term 4 SPANISH Knowledge organiser: QUIZZABLE Topic = Adict@s a la moda



What we are learning	g this term:	C. Si ganara la lotería	Key Verbs						
	on in greater detail		If I were a millionaire If it were possible If I won the lottery	<u>Vestirse</u>	Compr To	<u>ar</u>	Probar ———	Devolver To return (item)	To (ex)change
D. Visiting a shopp E. Dealing with pro	blems when shopping		I would change my hairstyle	Me visto I get dressed	Compr I	·o	Pruebo	Devuelvo	Cambio
F. Fashion in the H	tice	compraría un montón de ropa de marca		You get dressed	You bu	ıy	Pruebas You try on	Devuelves	You (ex)change
Key Words for thi la moda			designer sunglasses	Se viste s/he gets dressed	Compra	ì			
2. vestirse 3. la ropa	4. rebajas 5. lo/la/los/las	iría a la peluquería	I would go to the hairdresser I would have a	Nos vestimos			s/he tries or	s/he returns	s/he (ex)changes
	6. la talla	tendría un teléfono	personal assistant		Compr	amos	Probamos We try on	We return	Cambiamos
	orar así! – It's impossble to buy like that!	movíl de lujo D. Esto es lo que llev	o – This is what I wear	Se visten They get dressed	They bu	ıy	They try on	Devuelven They return	Cambian They (ex)change
	It has a hole It's broken		clothing	E. En el cent			ne shopping	F. De tiendas	- At the shops
el cambio	to (ex)change		to wear What do you wear?		Cer	ntre shoppin	g centres	la chocolatería	butchers
funcionar	to ask for	los calcetines	I wear	por internet				 la panadería	jewellers
probar quedar bien el reembolso		la camisa la chaqueta		las tiendas pequeñas				la perfumería	stationery shop
————	really?	la corbata	skirt cap	la agencia de	viajes 	rugs		la tienda de	fishmongers
	receipt right/Good//ok	el jersey	trousers	la azotea		food 		disfraces la tienda de ropa	
vender otros/as	——————————————————————————————————————		uniform	el jugete la jugetería				la zapatería	coat
pocos/as todos/as		el vestido las zapatillas (de			-	sportsw			to open to rent / hire
varios/as		deporte) los zapatos		la planta baja	<u> </u>			cerrar —————	accessories
B. Estrellas co	n estilo - Stars with style patterns		pretty comfortable	devolver	_	advert		algunos/as	crazy new
	baggy short		smart / stylish cool	en línea		to click	(mouse)	ciertos/as muchos/as	
de cuadros estampado/a		tradicional	this	el ratón		offer	· ,	el coche cuatro por	T – shirt
estrecho/a	floral	estos/estas ese/esa		primero		variety		cuatro	equipment
	tacky long	esos/esas	that (further away)	segundo tercero				la ropa de marca	own (possessive)
liso/a de lunares		la blusa	those (further away)		-	fourth fifth		·	to go out partying
de rayas apropiado/a		la cinta para el pelo el cinturón		sexto		seventh			
	different		style						

G. Translat	ion Practice
The shoes and the T – shirt	Lzylc
The trousers and a jumper	Lpyujb
I wear some white trainers	Luzb
The black jumper is more expensive than the shoes	Ejnemcqlz
The white socks are less expensive than the trainers	Lcbsmcqlz
I like the green shoes more than the white shoes	Mglzvmqlzb
I don't like the red shirt but I like red dresses	Nmglcrpmgevr
I wear socks but he wears trainers	Lcplz
The jeans are more comfortable than the trousers	Lvsmcqlp
To go to the party, I'm going to wear a black suit	Pialfvalutn
I would like to wear blue jeans to school	Mglvaac
I would like to wear white Nike trainers to school	MgIzdNac
I love those boots	Meeb
I want that T-shirt	Qec
Can I try it on?	¿Mlpp?
It suits me well.	Mqb

H . Key Question	s: Answer the following in your own words. Use these model answers
¿Qué llevas normalmente? What do you normally wear?	Normalmente, llevo una camiseta y unos vaqueros. A veces llevo un vestido.
¿Cómo es tu uniforme? What is your uniform like?	Para ir al colegio, llevo una camisa azul, unos pantalones negros, una corbata y una chaqueta granate. De vez en cuando llevo una falda negra con medias, y unos zapatos negros.
¿Qué piensas de tu uniforme? What do you think of your uniform?	No me gusta mi uniforme porque en mi opinión es muy incómodo y no es elegante. Sin embargo, pienso que llevar uniforme es una buena idea porque todos los estudiantes son iguales.
¿Cómo sería el uniforme de tus sueños? What would your ideal uniform be like?	El uniforme de mis sueños sería más cómodo y de moda. Me gustaría llevar unos vaqueros y una camiseta. También me gustaría llevar unas zapatillas de deporte.

I. Ke	y Questions: Translate these model answers using the KO
¿Qué llevas normalmente? What do you normally wear?	Normally, I like to wear blue jeans with a black jumper. I think that it is very comfortable. Sometimes I wear a white T – shirt.
¿Cómo es tu uniforme? What is your uniform like?	My uniform is very Smart. I wear a white shirt with a black tie. I wear a black jacket and black trousers. I wear black shoes too. Sometimes I wear my blue jeans.
¿Qué piensas de tu uniforme? What do you think of your uniform?	I love my uniform because it's very smart; it's not ugly! I think that my uniform is very comfortable but expensive to buy.
¿Cómo sería el uniforme de tus sueños? What would your ideal uniform be like?	The uniform of my dreams would be less smart and cheaper. I would like to wear black jeans everyday with trainers. I would also love to wear a black jumper.

		J. Key Grammar
	Using demonstrative adjectives	este/esta – this estos/estas – these ese/esa – that aquel/aquella - that (further away) aquellos/as – those (further away) Demonstrative adjectives need to agree with the noun they are referring to. e.g. Me gustan estas botas – I like these boots e.g. No me gustan nada estos jerseys – I don't like these jumpers at all
-	Using DOP (direct object pronouns)	lo/la/los / las Basically, a DOP means 'it/them' it saves you from having to keep repeating the noun all the time. DOPs must agree with the noun you are replacing / referring to. e.g. Me gusta llevar la camiseta – I like to wear the T-shirt OR you can use DOP and say Me gusta llevarla. (la on the end refers to the noun which in this case is FEM. SINGULAR) e.g. La voy a comprar = I'm going to buy it (the DOP is LA so we know the noun is FEM. SINGULAR). e.g. Voy a comprar el jersey = I'm going to buy the jumper OR lo voy a comprar = I'm going to buy IT. (LO in this case refers to MASC. SINGULAR. noun which is 'el jersey')



Year 8 COMPUTER SCIENCE Term 3 - Combined

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What we are learning thi	is term:		
A. Strong Passwords	B. Social Engineering	C. File Handling	D. Definitions

A.	Creating Stror	ng Passwords	В	Social Engineerin	g		C.	File Handling	
A strong	password sho	ould:	The ma	The manipulation of people to hand over confidential information or access.					
	A				Making up a story to get monetary assistance or access.	Ke	yboard	shortcuts	
	В					Re	enaming	ı a file	
	С				Redirecting a user from a genuine website to a fraudulent one.		Сору		
	D					Pa	ste		
	E		Phishi	ing		Cı	ıt		
						Ne	w folde	r	
A weak pa	assword					╘			
	A				Observing personal information over the shoulder when entering a password or a pin.	D .	Defini	tions	
	В							The safe and responsinternet and other me	sible use of technology, the eans of communication.
	С				A phishing attack targeting a specific organisation or				
					group.		ber- ack		
	D		Whalii	na					
			vviiaiii	''y			ber- curity		
	E								



Year 8 COMPUTER SCIENCE Term 3 – Combined



What we are	learning	this term
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A. Strong Passwords

B. Social Engineering

C. File Handling

D. Definitions

A.	Creating Stron	ng Passwords	B Social Engineering				В.	File Handling	
A strong	password sh	ould:	The ma	anipulation of people to	hand over confidential information or access.				
	A	Use a mixture of 10-15 characters.	Blaggi	ing	Making up a story to get monetary assistance or access.	Ke	yboard	shortcuts	
	В	Use symbols and numbers.				Re	naming	g a file	F2
	С	Use upper and lower case letters.	Pharm	ning	Redirecting a user from a genuine website to a fraudulent one.	Co			Ctrl+C
	D	Avoid sequences.				Pa			Ctrl+V
	E	Not contain personal information	Phishi	ing	Sending an email which appears to be from a legitimate source.	1	Cut		
A weak p	assword					Ne	w folde	er 	Ctrl+Shift+N
	A	Is short (less than 10 characters long)	Should	dering	Observing personal information over the shoulder when entering a password or a pin.	D .	Defini	tions	
	В	Uses popular terms.				Esa	fety	The safe and respondinternet and other n	nsible use of technology, the neans of communication.
	С	Uses common phrases.	Spear	-phishing	A phishing attack targeting a specific organisation or group.	1			
	•					Cyb atta		Using computers or or or data to cause harn	ther technology to modify programs n or damage.
	D	Uses sequences of letters or numbers.	Whalii	ng	. A phishing attack targeting a specific individual.	4			
	Е	Uses personal information (individual's name, date of birth).				Cyb	er- urity	The technology and pand data from cybera	practices needed to protect devices attacks.



ART: Year 8 Term 4 - Topic = Day of the Dead



What we are learning during these term:

- About Day of the Dead (DOTD) Mexican Holiday.
- How to use the Grid Method for accurate drawing
- DOTD artists: Thaneeya McArdle and Laura Barbosa.
- Positive/negative collage.
- Papier mâché sugar skulls.

6 Key Words for this project

Sugar Skull

of a skull.

- Mexican Day of the Dead Symmetry
- Armature
- Papier Mâché
- Outcome

Symmetry

Armature

- В. How to use the Grid Method for accurate drawing.
- Use a ruler to draw an equally spaced grid onto your image.
- 2. Draw an identical grid LIGHTLY onto paper.
- Draw in the main outlines of your image, focusing on one square at a time Use a ruler to help you *measure* the positioning of lines if needed.
- Add main details before erasing he grid on the paper,
- Add fine details and build in tone.

A colourful an and heavily patterned skull. The term is often applied to edible version of a skull, with colour



Keywords for this project in detail:

Sugar Skull Mexican Day of the Dead

Or known as 'Día de Muertos' in Spanish, is a festival held in Mexico from 31st October to 2nd November every year to remember the deceased.

Same on both sides, like a reflection.

A support and foundations (starting point) for a sculpture.

Papier Mâché A technique using watered down PVA glue and paper.

Outcon	ne 🐞
A.	About Day of the D

The final piece of art for a project, which shall be the DOTD papier mâché sugar skull sculptures.

and pattern. They are made and eaten in celebrating ancestors who have died.

A.	About Day of the Dead, Mexican Holiday.
What?	It is a Mexican Christian holiday. It began as a day of thanks for the harvest. The state of the st

- The festival lasts 3 days. It Occurs 31st October 2nd November
 - every year.

Why? It is a festival that celebrates the lives of those who have died.

How?

Different things happen on each day....

DAY 1:

- Relatives put flowers on graveyards or in vases.
- They create an altar somewhere in the house with pictures of the dead, along with favourite objects. The rest of this day is spent making the favourite foods of the person(s).

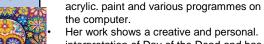
DAY 2:

- * Families have big celebrations at their homes. They serve all the food they made the day before. They eat candies shaped like skeletons. Friends stop by and people dance and sing. DAY 3:
- . The holiday expands to the town. There are parades and floats and characters in costume

C. DOTD artists: Thaneeya McArdle and Laura Barbosa.

Thaneeya **McArdle**

Inspired by Indian Art. Works with a range of materials including



Self-taught painter

- interpretation of Day of the Dead and has Indian like qualities.
- Designs are vibrant, symmetrical and include the use of intricate patterns.

Laura **Barbosa**

Produces artwork based on the theme Mexican day of the dead



- Uses fluorescent and vibrant colours that also have contrasting areas.
- Her brush strokes are dominant in her work and Her use of patterns are simplistic.

How to make a positive/negative collage.

Collage is a form of art by cutting and ripping paper to create interesting

Steps for making your collage:

- Cut a piece of light A4 piece of paper in half and place one half over the top of the darker A4 piece of paper.
- Draw and cut out one facial feature at a time from the light piece of paper and flip it over onto the dark piece of paper. DO NOT cut into the dark piece of paper, only the light. Remove the dark piece of paper from underneath the light piece before cutting.
- Draw the shape of the face on the light piece of paper and flip it over to the dark piece of paper, aligned with the rest of the face. Add additional details on the face and in the background, following the
- same technique as step 2.

What each tool is used for:

Cutting mat	To protect the table from damage.
Craft knife	To precisely cut shapes from paper.
Glue stick	To cleanly stick the shapes onto paper.



How to make a papier mâché sugar skull.

Papier mâché is made from newspaper and PVA glue, which hardens solid once dry.

Steps for making your sugar skull:

- Roll two balls of white tissue, one slightly bigger than the other and tape it to a piece of A4 card. This is the armature, the bare bones of starting the
- Apply the first layer of papier mâché using newspaper as smoothly as possible using PVA glue.
- Mould the facial features with papier mâché using white tissue and PVA glue, building it up to make it three dimensional and as smooth as
- Apply a final thin layer of newsprint and PVA papier mâché for a smooth
- Paint the sugar skull with white emulsion paint and allow to dry. Apply colourful poster paint in the background and use acrylic paint and pens to add the final details.



possible.









ART: Year 8 Term 4 - Topic = Day of the Dead QUIZZABLE

what we are learning during these term:

- About Day of the Dead (DOTD) Mexican Holiday.
- How to use the Grid Method for accurate drawing of a skull.
- DOTD artists: Thaneeya McArdle and Laura
- Positive/negative collage.
- Papier mâché sugar skulls.

6 Key Words for this project

- Sugar Skull
- Mexican Day of the Dead
- Symmetry
- Armature
- Papier Mâché
- Outcome



Explain how to use the Grid Method for accurate drawing.

Explain how to make a positive/negative collage.

Collage is:

Steps for making your collage:

What each tool is used for:

Cutting mat

Craft knife

Glue stick

Keywords for this project in detail:

Sugar Skull Mexican Day of the Dead

A colourful an and heavily patterned skull. The term is often applied to edible version of a skull, with colour and pattern. They are made and eaten in celebrating ancestors who have died.

Or known as 'Día de Muertos' in Spanish, is a festival held in Mexico from 31st October to 2nd November every year to remember the deceased.

Symmetry

Same on both sides, like a reflection.

Armature Papier Mâché A support and foundations (starting point) for a sculpture.

A technique using watered down PVA glue and paper.

Outcome

The final piece of art for a project, which shall be the DOTD papier mâché sugar skull sculptures.

Α. About Day of the Dead, Mexican Holiday.

- What? It is a Mexican Christian holiday.
 - It began as a day of thanks for the harvest.
 - The festival lasts 3 days. It Occurs 31st October 2nd November

Why?

It is a festival that celebrates the lives of those who have died.

How?

Different things happen on each day.... DAY 1:

- Relatives put flowers on graveyards or in vases.
- . They create an altar somewhere in the house with pictures of the dead, along with favourite objects. The rest of this day is spent making the favourite foods of the person(s).

DAY 2:

- Families have big celebrations at their homes. They serve all the food they made the day before. They eat candies shaped like skeletons. Friends stop by and people dance and sing. DAY 3:
- The holiday expands to the town. There are parades and floats and characters in costume.

DOTD artists: Thaneeya McArdle and Laura Barbosa.

Thaneeya **McArdle**



- Inspired by Indian Art.
- Works with a range of materials including acrylic. paint and various programmes on the computer.
- Her work shows a creative and personal, interpretation of Day of the Dead and has Indian like qualities.
- Designs are vibrant, symmetrical and include the use of intricate patterns.

Laura Barbosa



- Self-taught painter Produces artwork based on the
- theme Mexican day of the dead Uses fluorescent and vibrant colours
- that also have contrasting areas. Her brush strokes are dominant in her work and
- Her use of patterns are simplistic.

Explain how to make a papier mâché sugar skull.

Steps for making your sugar skull:

Papier mâché is:

2













Year 8 PRODUCT DESIGN Rotation Knowledge Organiser



What we are learning this term:

A. Workshop Tools

B. Materials

C. CAD

D. CAM

E. Memphis Design Movement

A. Works	A. Workshop Tools							
Steel Rule	Wooden Vice	Clamp	Bench Hook	Tenon Saw	Pillar Drill	Bandfacer		

B. Materials

Timbers come from trees



Scots pine – which you used for your clock base – is a softwood

Softwoods come in planks and boards

Manufactured Boards come from wood pulp



Plywood – which you used as your Memphis shapes – is a manufactured board

Manufactured Boards come in sheets

Polymers come from crude oil



Acrylic – which you used as your Memphis shapes – is a polymer

Polymers come in sheets, graduals and filament

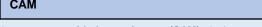
C. CAD



Computer-aided design (CAD) is the process of using computer software to create 2D or 3D designs.

Advantages of CAD	Disadvantages of CAD				
Designs can be created , saved and edited quickly, saving time	CAD takes a long time to learn				
Designs or parts of design can be easily viewed from different angles, copied or repeated	Software can be very expensive				
CAD is very accurate	CAD files can become corrupted or lost				

D. CAM



By using **computer aided manufacture (CAM)**, designs can be sent to **CAM machines** such as **laser cutters and 3D printers**

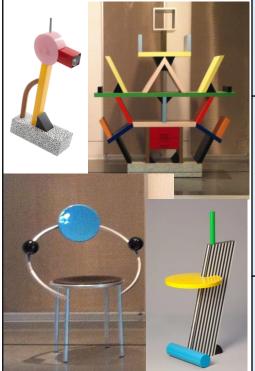
Advantages of CAM	Disadvantages of CAM		
Quick – Speed of production can be increased	CAM takes a long time to learn		
Consistency – All parts manufactured are all the same	High initial cost can be very expensive		
CAM is very accurate	Production stoppage – If the machines break down, the production will stop		

E. Memphis Design Movement



The **Memphis Design** movement was a collection of designers and artists that wanted to create something to break the rules of **traditional design** and still function in the sense of traditional design.

The idea was for the products to be $\mbox{\bf bright, colourful, playful.}$



Key Designer

Ettore Sottsass



Key Features:

Crazy patterns; animal print, geometric, pinstripes. Strange shapes thrown together. Contrast!

Colours:

Bright, bold, Contrasting primary and secondary colours. Black patterns.

Line Styles:

Very geometric; rectangles, triangles, squares, circles and arcs.



Year 8 PRODUCT DESIGN Rotation Knowledge Organiser



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Wh	at we are learning this	term:			E.	Memphis Design Movement	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
A.	Workshop Tools E	3. Materials C. CAD	The Martists	Memphis Design movement was a collect s that wanted to create something			
A.	Workshop Tools			×		and still function in the se	ense of traditional design.
					The id	dea was for the products to be	
							Key Designer Ettore Sottsass
B.	Materials		C. CAD				Key Features:
Scots pine – which you used for your clock base			Computer-aided design (CAD) is the process of using to create 2D or 3D designs. Advantages of CAD Disadvantages of CAD				
		– is a softwood	Advantages of OAD Bisadvantages of OAD				
		Softwoods come inand					
					6		
Ма	nufactured Boards con	ne from					
Plywood – which you used as your Memphis shapes – is a manufactured board						Colours:	
		Manufactured Boards	D. CAM		1		
come in			By using computer aided manufacture (CAM), designs can be sent tosuch as				
Polymers come from			Advantages of CAM	Disadvantages of CAM			
		Acrylic – which you used as your Memphis shapes – is a polymer					Line Styles:
		Polymers come in,					
		and					

Year 8 Term 1 : Topic = Planning a Healthy Meal

What we are learning this term:

- A. Health, safety and hygiene in the kitchen
- B. The Eatwell guide and nutrients
- C. Design Ideas
- D. Weighing
- . Practical skills
- F. Evaluation Work

6 Key Words for this term

- 1 Hygiene 4 Balanced 2 Health 5 Nutritional 3 Food Poisoning 6 Target Market
- Carbohydrates

 Foods that are eaten to give the body energy

 Protein

 Food that are eaten to build and repair muscles and cells

 Fats

 Food that are eaten to protect your vital organs and insulate your

body.

What are the three macronutrients in the diet?



B. Can you give 5 reasons for why someone should eat healthily?

- 1 to avoid obesity
- 2 it can be less expensive
- 3 to keep a healthy heart
- 4 to keep your body fit
- 5 it can make a positive impact on your family





A. What is cross contamination and how can it be prevented?

Cross contamination happens when you use the wrong chopping board or equipment to prepare food which can therefore result in food poisoning.

B. What is the image on the left showing and how is it used?

In the photo you can see a food temperature probe. You use it to check that food it cooked. First you need to make sure that the probe is clean, then you insert it into the thickest part of the food and then check the temperature. If the food is cooked it can be served, if the food is not the correct temperature it needs to be cooked for longer.

C. Can you list 5 reasons for why we cook food and why it is important?

Rule

- 1 to get rid of bacteria on the food
- 2 to make the food taste better
- · 3 to make food chewable
- 4 to ensure that food is not raw
- 5 to add colour to the food

Why it is important

- 1 to stop food poisoning
- 2 to make the food more appealing
- 3 it could be raw or a choking hazard
- 4 to stop food poisoning
- 5 to make it look more appetising or change its use

E.	Keywords					
Hygiene		A method of keeping yourself and equipment clean				
Resea	rch	Information that you find out to help you with a project				
Nutritio	ous	A meal that is healthy and contains vital nutrients.				
Target	Market	The age or type of person you re creating a product for.				
Carbol	hydrates	Foods that give you energy				
Proteir	1	Food that grow and repair your muscles				
Fibre		Foods that keep your digestive system healthy and avoid constipation.				
Calciu	m	Foods that make your teeth and bones strong				
Desigr	n Idea	A sketch or plan of how you are hoping a project to turn out.				
Organi	isation	Having everything ready for a lesson and following instructions				
Time keeping		Using the time to remain organised.				
Sensory analysis		Use your senses to taste and describe a product				
Mood	Board	A collage of photos and key words based on a project				

Year 8 Term 1 : Topic = Planning a Healthy Meal

What we are learning this term: Health, safety and hygiene in the kitchen

The Eatwell guide and nutrients

Design Ideas Weighing

Practical skills **Evaluation Work**

B.	Can you give 5 reasons for why someone should eat healthily?
1	
2	
3	
4	
5	

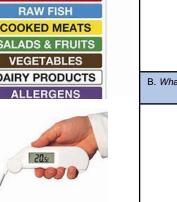
6 Key Words for this term

1 Hygiene 4 Balanced 2 Health 5 Nutritional 6 Target Market 3 Food Poisoning

A.	What are the three macronutrients in the diet?		







What is cross contamination and how can it be prevented? B. What is the image on the left showing and how is it used?



Can you list 5 reasons for why we cook food and why it is important?

C.

Rule

Why it is important

Keywords Hygiene Research **Nutritious** Target Market Carbohydrates Protein Fibre Calcium Design Idea Organisation Time keeping Sensory analysis Mood Board

YEAR 8 GRAPHIC COMMUNICATION

What are we learning this term?

Stencil design Step

Step up card

Accordion card

Key words

Evaluation

D| Key words

Material The ma

The matter from which a thing can be made. E.g. a pop-up card would be made from paper and card

a thin sheet of card, plastic, or metal with a pattern or letters cut out of it,

used to produce the cut design on the surface below by the application of ink or

Stencil

Design

paint through the holes.

a plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made

A | Stencil design

List 3 health and safety rules for using a cutting knife

Three health and safety rules to consider that could be considered when using a craft knife are to hold the knife in the correct way with finger and thumb on base of knife to support the blade, to cut pushing the blade away from you, to tuck tie in and tie hair up.

List the materials you need to create a stencil

Cutting Mat

Craft Knife



Stencil design



Card

B | Draw the inside of the pop up card

Annotate the different steps, materials you need to make the card

2 pieces of card, both folded in half A ruler to measure the cut out A pencil to draw the guidelines Scissors to make the incisions



Coloured paper to add to the design Cut any incisions

C | Draw the inside of an accordion card

Annotate the different steps, materials you need to make the card

2 pieces of card, one folded in half A ruler to measure the folds Second card folded to create the accordion



Coloured paper to add to the design

E | Evaluation

Evaluation: To judge or give an opinion

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:

- 1. Positives what works well
- 2. Negatives what doesn't work well
- 3. Possible improvements how could you make it better?

For example:

My tote bag looks great, the colours are bright which appeals to the audience of the festival. However, I have not designed a combined logo. One improvement I could make is to use images and text to create a combined logo.

YEAR 8 GRAPHIC COMMUNICATION

What are w	e learning tl	his term?	?			D	Key wor	ds			
A Stencil design	B Step up card	C Accordion o	ard	D Key words	E Evaluation	М	aterial	The matter from which a thing can be made. E.g. a pop-up card would be made from paper and card			
A Stencil desi	g n safety rules for usii	ng a cutting kı	nife			St	tencil	a thin sheet of card, plastic, or metal with a pattern or letters cut out of it, used to produce the cut design on the surface below by the application of ink or paint through the holes.			
List the materials y	you need to create a s	stencil		1		D	esign	a plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made			
B Draw the inside of the pop up card C Draw the inside of an accordion card						E	E Evaluation				
B Diaw the msid	ie of the pop up can	u c	Diav	v the mside of an		Ev	valuation: To	judge or give an opinion			
Annotate the differe	ent steps, materials yo			e the different stepmake the card	os, materials you	fo 1. 2.	Positives - Negatives	an evaluation it is important to include the se things: - what works well - what doesn't work well mprovements – how could you make it			



What we are learning this term:

- 12 Bar Blues Structure (Chords) Playing the Keyboard - left
- hand / right hand History of Blues Music -Check out this youtube video











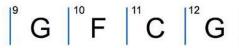
Note	Name	Beats	Rest	Note	Name	Beats	Rest
0	Semibreve, Whole Note	4 beats	-	0.	Dotted Semibreve, Dotted Whole Note	6 beats	_
d	Minim, Half Note	2 beats	-	d.	Dotted Minim, Dotted Half Note	3 beats	_
J	Crotchet, Quarter Note	1 beat	٤	₫.	Dotted Crotchet, Dotted Quarter Note	1% beats	ξ
1	Quaver, Eighth Note	1/2 beat	7	1	Dotted Quaver, Dotted Eighth Note	3/4 beat	7

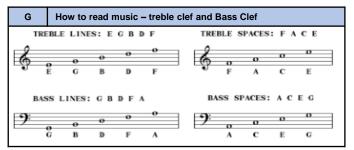
Chords: !2 bar blues Structure

 $\mathbf{C} = CEG$

 $\mathbf{F} = FAC$

12 Bar Blues Chord Progression in C **G** = GBD





G	Describing music – I	Describing music – MAD T SHIRT						
M	Α	D	Т	S	н	1	R	Т
Melody	Articulation	Dynamics	Texture	Structure	Harmony/Tonality	Instruments	Rhythm	Tempo
The tune of the song/music	How notes are played	Loud/quiet and any other volume changes	Layers of sound / how they fit together	The sections and organising	Chords used / the mood	Types of instruments heard	Pattern of notes and beats	The speed of the music



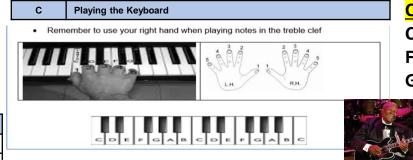
F

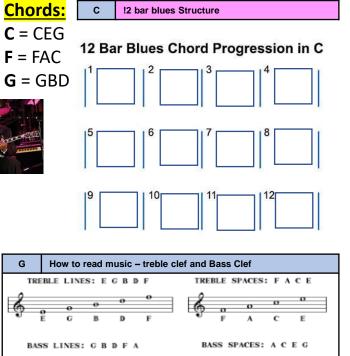
Term 4/5 🚱

What we are learning this term:

- A. 12 Bar Blues Structure (Chords)
- Playing the Keyboard left hand / right hand
 History of Blues Music Check out this youtube video

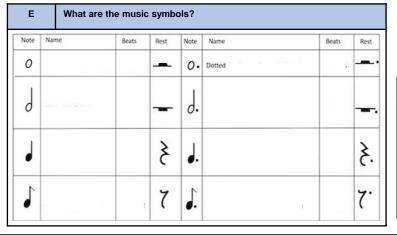


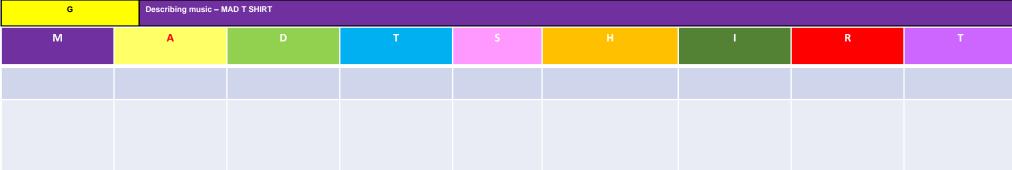






Keywords





SLAPSTICK

For GCSE drama, you need to understand and be able to apply techniques from different genres of performance. This genre is COMEDY

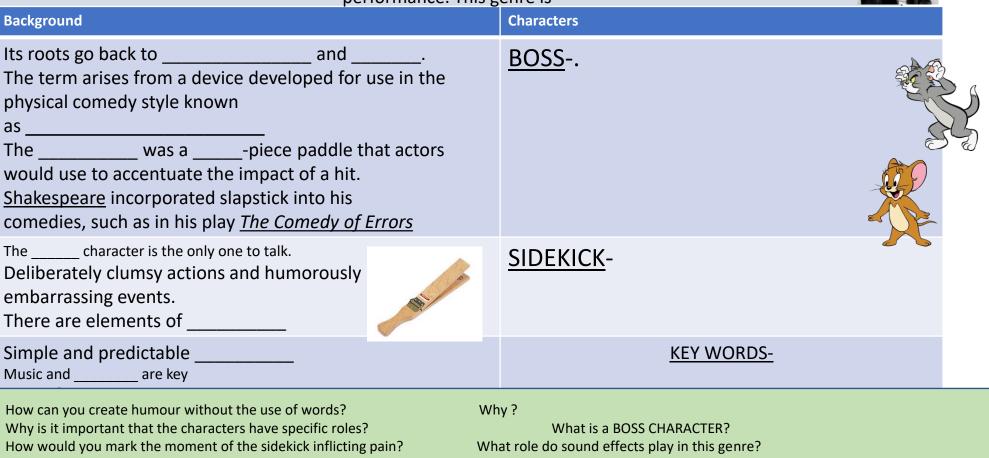
Background	Characters	
Its roots go back to Ancient Greece and Rome. The term arises from a device developed for use physical comedy style known as <u>commedia dell'a</u> The slapstick was a two-piece paddle that actors to accentuate the impact of a hit. <u>Shakespeare</u> incorporated slapstick into his comedies, such as in his play <u>The Comedy of Erro</u>	<u>rte</u> would use	BOSS- The only character who talks. Always thinks they have control. Has pain inflicted on them more so than the sidekick.
The BOSS character is the only one to talk. Deliberately clumsy actions and humorously embarrassing events. There are elements of stage combat		SIDEKICK- Works against the boss character. Inflicts pain towards the boss. Does not speak.
Simple and predictable storylines. Music and sound effects are key Genre of COMEDY		KEY WORDS- Exaggeration, Mime Pain, comedic timing, gestures, sound effects, music.

How can you create humour without the use of words? Why is it important that the characters have specific roles? How would you mark the moment of the sidekick inflicting pain? Why?

What is a BOSS CHARACTER? What role do sound effects play in this genre?

SLAPSTICK

For GCSE drama, you need to understand and be able to apply techniques from different genres of performance. This genre is



SWINDON ACADEMY READING CANON

Year 9

Long Way

