# Knowledge Organiser Booklet Year 11 Term 1 Core



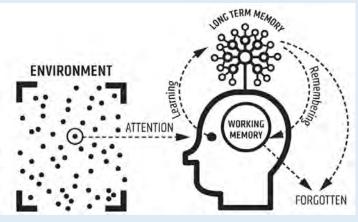
Our working memories can only store a limited amount of information, whereas our long term memories can store limitless information. To learn successfully, we need to store core knowledge into our long term memories, so we can retrieve it when we need it.

For instance, if you are at work or in the shops and need to work out a 25% discount, you can't memorise 25% of every number, so you need to be able to quickly recall the method for calculating a percentage. Committing core knowledge to our long-term memories is a life-hack. It makes thinking about difficult things easier.

Using a knowledge organiser with regular retrieval activities is a way for you to store core knowledge & subject specific words, into your long term memory so it is there when you need it.

Click here to be taken to the knowledge organiser part of the school website.





#### Contents

Clicking on the subjects below will take you directly to the knowledge organisers for each subject. These are to support learning that has taken place this past term. Use these to help reinforce the key knowledge. Use some of the strategies explained in the introduction to help you retain this important information.

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# Blended Learning Expectations

Make sure you have <u>access to a computer at home (</u>If you don't please make pastoral staff aware or email <u>langley.homelearning@taw.org.uk</u>)

**Download Microsoft Teams** on both your phone and computer. (If you don't know how to do this please ask a member of staff or do this in your next computing lesson)

**Spend at least 2 hours a week using teams** <u>**EVERY</u></u> <u><b>WEEK.** (Engagement in teams can be tracked and monitored). You need to be accessing each of your class teams and recapping on the previous learning or completing additional tasks set by your class teacher.</u></u>

If you have any issues with teams (e.g. login problems or missing classes etc then please email <u>lang-</u> <u>ley.homelearning@taw.org.uk</u>)

Teams is a tool to support ongoing learning and should **only be used for educational purposes.** 



	LOOK, COVER, WRITE, CHECK	DEFINITIONS TO KEY WORDS	FLASHCARDS	DUAL CODING
STAGE 1	Look at & study an area of your knowledge organiser	Write down the key words & definitions	Write key words, dates/formulae, equations/quotes on one side & answers on the other	Draw pictures/diagrams/ cartoon strips
S	$\bigcirc$			
STAGE 2	Cover up your knowledge organiser and write everything you remember	Cover up the definitions. How many can you remember? Repeat.	Include pictures or diagrams if it helps. Read through them.	Label your pictures/diagrams/ cartoon strips
5				
STAGE 3	Check. Correct mistakes in green and add anything you missed. Repeat	Check. Correct mistakes in green pen. Which ones do you find hard to remember?	Test yourself and get someone to test you.	Explain out loud to yourself or family/friend what your images show
LS	а. В. В. В. В. В. В. В. В. В. В. В. В. В.	XV	00	
	SELF QUIZZING	MINDMAPS	PAIRED RETRIEVAL	SPEAK, COVER, WRITE, CHECK
	Use your knowledge organiser to create quiz questions.	Create a mindmap of everything you can remember from your knowledge organiser	Give a family member/friend the knowledge organiser to hold	Read out loud the information from the knowledge organiser several times.
5		000	<u>J</u> O	
	Write down the answers to your quiz	Check your knowledge organiser & use a green pen to make any corrections.	Get them to test you using the knowledge organiser	Cover up your knowledge organiser and write everything you remember
	Write down the	knowledge organiser & use a green pen to	using the knowledge	knowledge organiser and write everything
	Write down the	knowledge organiser & use a green pen to make any corrections.	using the knowledge	knowledge organiser and write everything

# **Retrieval Placemat**

Look at your knowledge organiser. Now cover it up and write down Key vocabulary & definitons from memory:

First time: Look. Cover. State 3 facts Second time: Look. Cover. State 3 facts

Third time: Look. Cover. State 3 facts

Check & green pen your answers

Look at the knowledge organiser again. Now cover it up and without looking, explain a concept or idea in your own words

Re-read your answer above. Look at the knowledge organiser again. Now cover it up and improve on your previous explanation in green pen.

# **Retrieval Relay**

Look at your knowledge organiser. Now cover it up.

First time: Write down everything you can remember

Second time: Look. Cover. Write down everything you can remember Third time: Look. Cover. Write down everything you can remember

Write down everything here that you didn't remember:

# Vocabulary focus 1

Look at your knowledge organiser. Select a key word and write it here:

Write a definition of the key word in your own words - not the same as the one on the knowledge organiser: Write a sentence with the key word in it:

Create a question where the key word is the answer:

What other words are connected to this key word?

Draw a picture or diagram to help you remember this key word:

# Vocabulary focus 2

Definition:

Characteristics:

Key word:

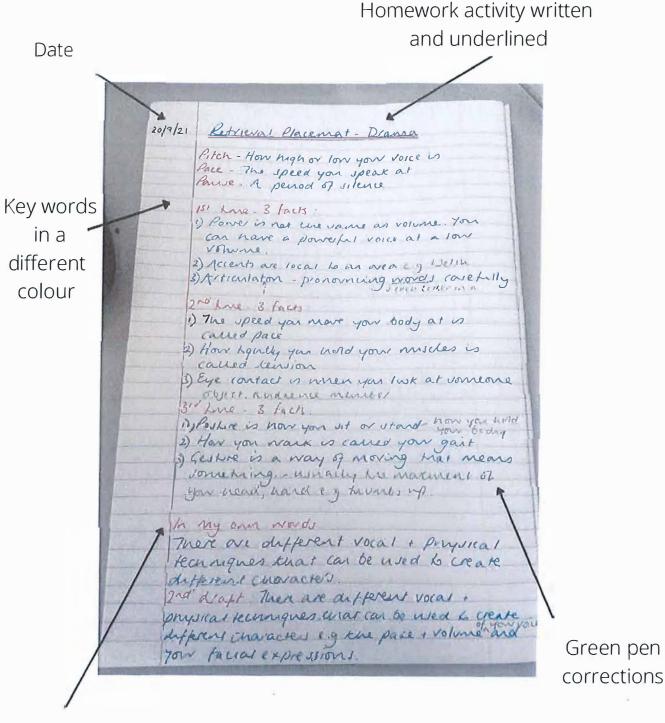
Examples:

Non-examples:

# What should my knowledge organiser homework look like?

Homework activity written Topic clear and underlined Date Topic : Eartiguakes 13/07/21 Defrictions to key words Epicentre: Directry above une form, mere the version waves hit kint Stage 1 Service waves : Energy waves from form Fours : The point mere pressure is release Stage 2 Epicentre : Where the Unismic waves hit List (drecky above the forms) Sevence wares: Energy waves (from the for +311 Forme The point mere it starts - min green pressure is released must remember hus Stages of homework Key words in a different Green pen colour or underlined activity in margin corrections

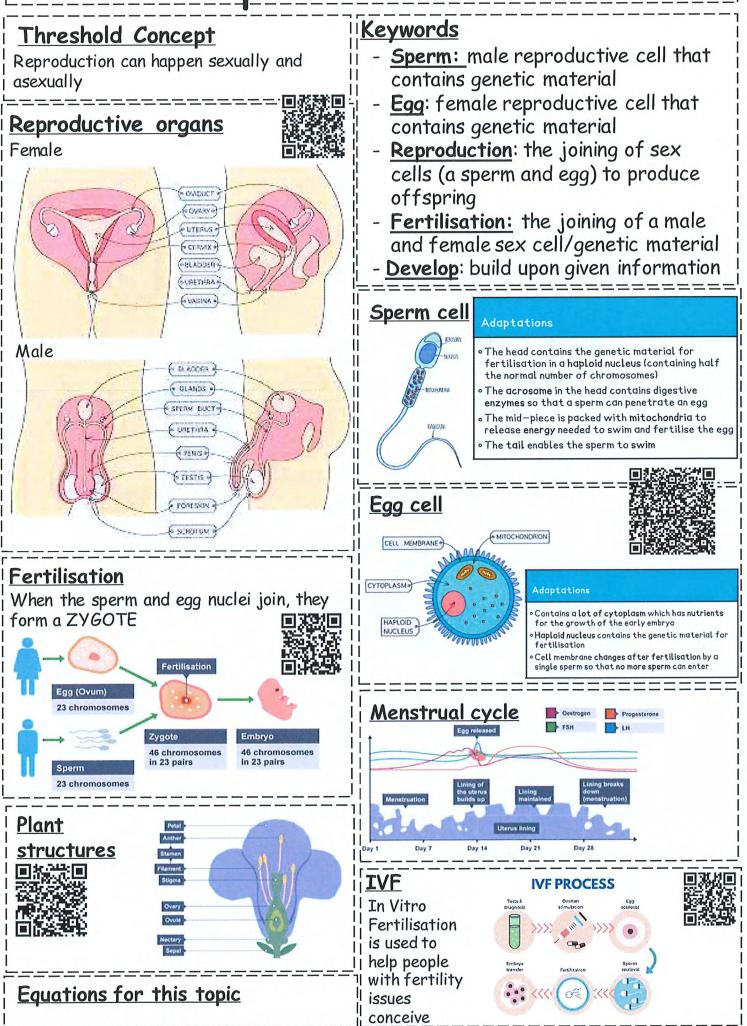
# What should my knowledge organiser homework look like?

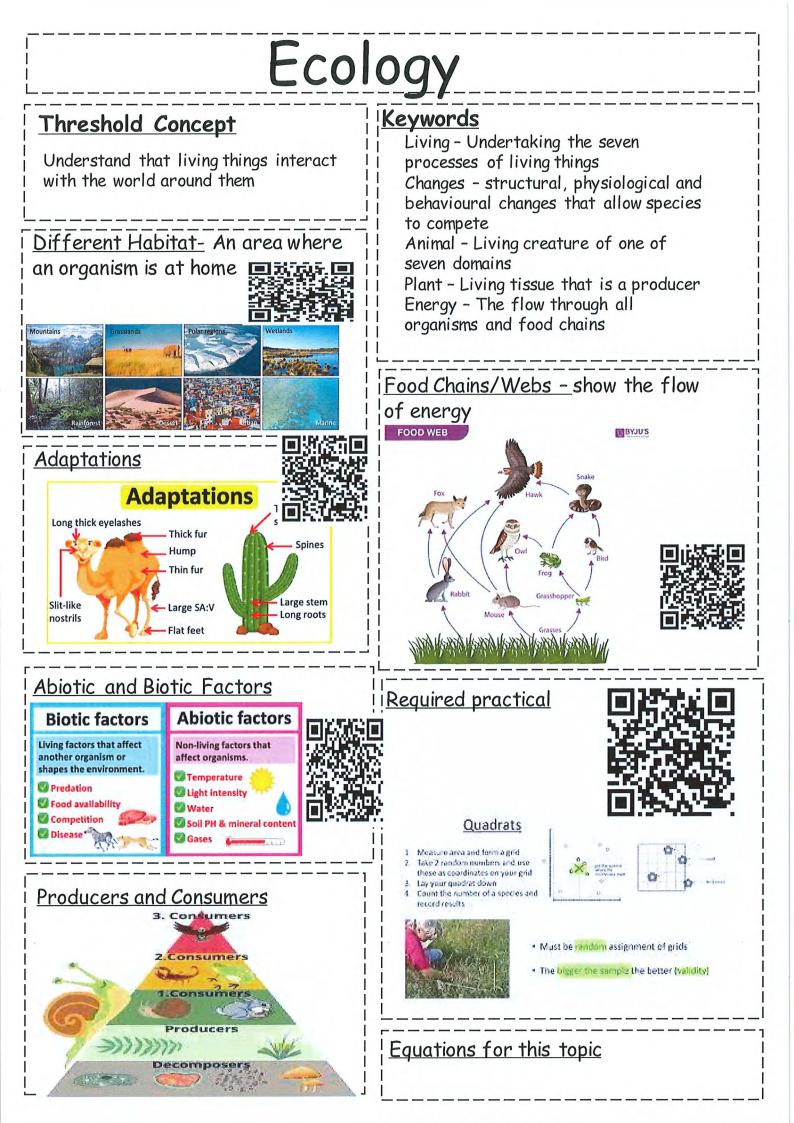


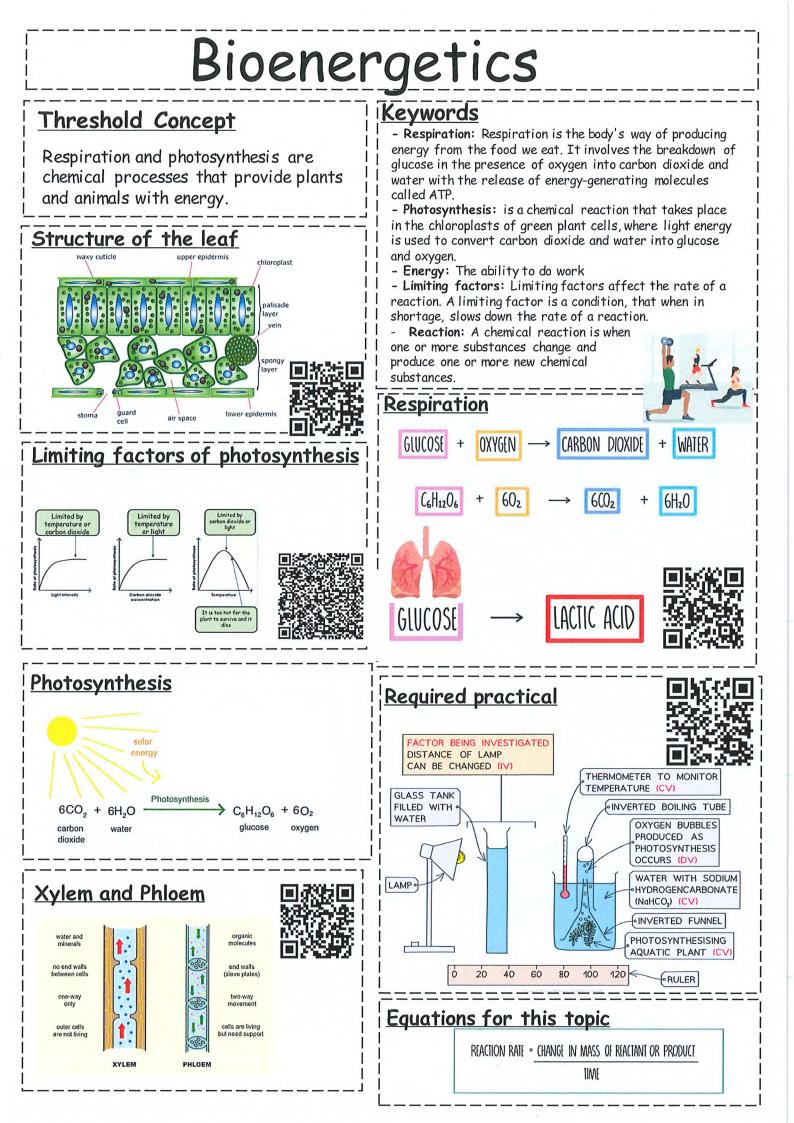
Stages of homework activity as subtitles

# Biology

# Reproduction







# Infection and response



Pathogens are microorganisms that cause disease

#### Communicable and non-communicable disease:

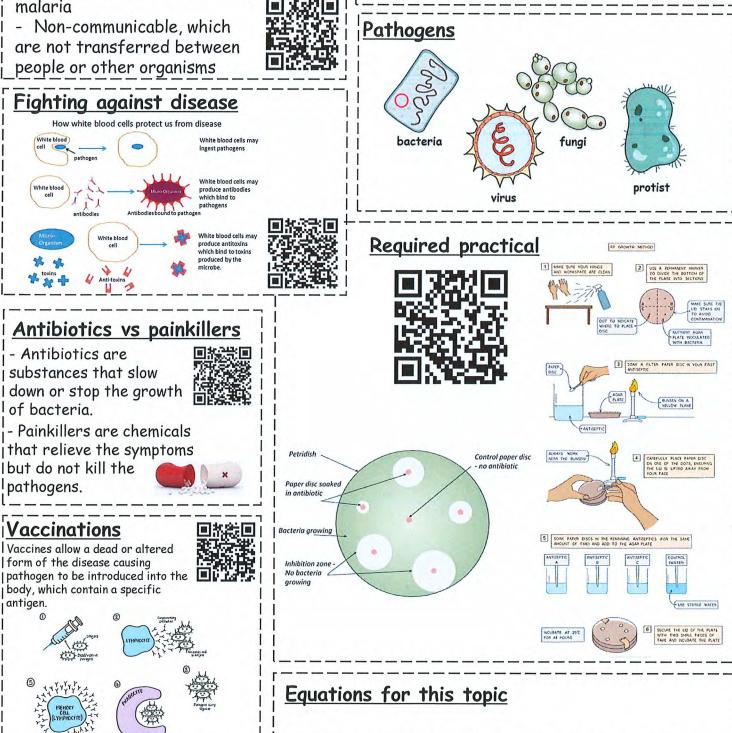
- Communicable, which can be transferred I from one person to another, or from one organism to another, eg in humans, these include measles, food poisoning and malaria 

- Non-communicable, which are not transferred between people or other organisms

#### Keywords

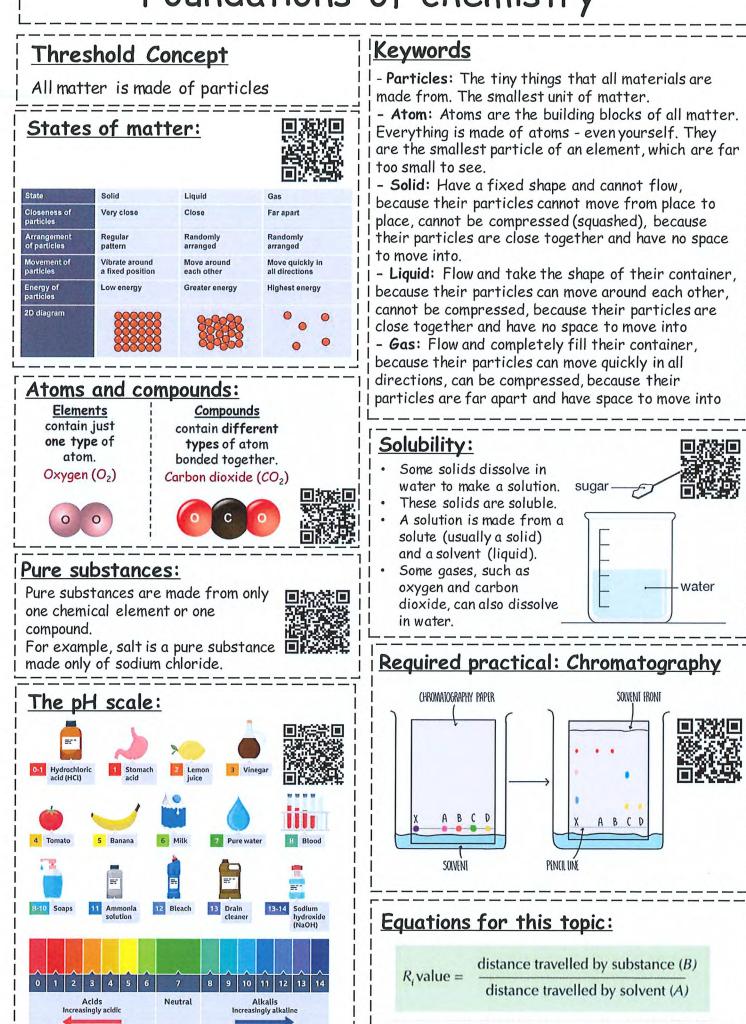
Pathogens: A microorganism that causes disease e.g. bacteria, virus, protist, fungus.

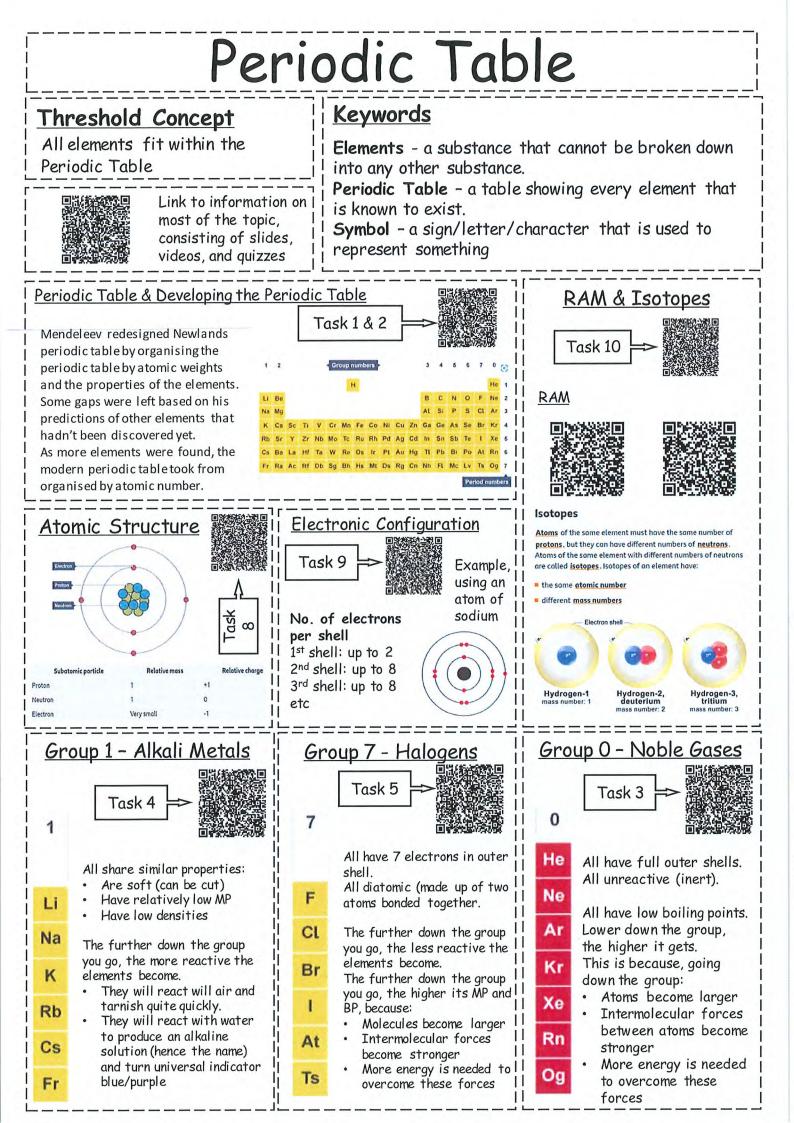
- Microorganism: Are so small they can only be seen using a microscope.
- Virus: A disease causing agent about 1/100<sup>th</sup> of the size of a bacterial cell. Can only replicate within host body cell/
- Bacteria: A single celled microorganism without a true nucleus, some cause disease.
- Fungi: A microorganism that can cause disease, and that produces spores that can spread to other organisms.



# Chemistry

## Foundations of chemistry





# Metals

#### Threshold Concept

Identify most metals have similar properties

#### Metals and non metals

Most elements on the periodic table are metals. They are grouped together in the middle to the lefthand side of the periodic table. Non metals are on the right-hand side.



#### Physical properties of metals

	Non-metals	Metals	Properties
3	Dull	Shiny	Appearance
	Brittle	Very hard or hard	Hardness
1	Non-malleable	Malleable	Malleability
1	Non-ductile	Ductile	Ductility
回路	Bad conductor	Good conductor	Heat conduction
77	Bad conductor	Good conductor	Conduction of electricity
92 A	Solids, liquid, gases	Solid	State
rito Z	Lower	Higher	Density

# Chemical properties of metals

## The reactivity series

sodium Na calcium Mg Al magnesium luminium carbon C Zn Fe Sn Pb zinc iron tin lead hydrogen H copper Ag silver gold Au platinum least reactive



#### Keywords

Metal...... DEFINITION Non metal ...... DEFINITION Property ...... a characteristic of a particular substance

**Reaction** ...... a process that leads to the change of one set of chemical substances into another **Alloy** ...... a mixture of two or more metals, or a metal and a non-metal

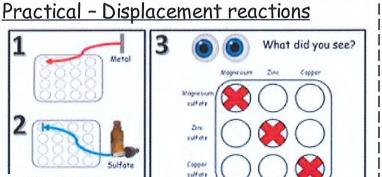
**Displacement** ...... A more reactive metal will displace a less reactive metal from its compound.

#### Metals and alloys

Making alloys changes the metals properties by changing its structure. Alloying is done for many reasons, typically to increase strength, increase corrosion resistance, or reduce costs

pure metals are malleable





#### Equations for this topic

Metal + acid  $\rightarrow$  salt + hydrogen Metal + oxygen  $\rightarrow$  Metal oxide Metal + water  $\rightarrow$  Metal hydroxide + hydrogen

# Rock Cycle

#### Threshold Concept

Understand that rocks change within 3 types over time.

#### <u>Types of rocks</u> Sedimentary rocks

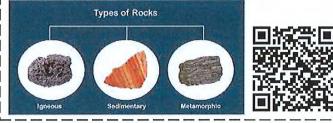
Sedimentary rocks are formed from sediments that have settled at the bottom of a lake, sea or ocean, and have been compressed over millions of years.

#### Metamorphic rocks

Metamorphic rocks are formed from other rocks which change due to **heat** or **pressure**.

#### <u>Igneous rocks</u>

Igneous rocks are formed from molten (liquid) rock that has cooled and solidified.



#### Types of weathering

#### 1. Biological weathering

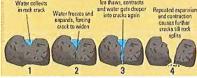
This describes rocks being broken up by the roots of plants, or animals burrowing into them.

#### 2. Chemical weathering

This describes rocks being broken up because substances in rainwater, rivers and seawater or the air, react with the in the rocks.

#### 3. Physical weathering

This describes rocks being broken up by changes in temperature, freezing and thawing of trapped water or the action of waves and rivers.



#### Keywords

 Rock: The solid mineral material forming part of the surface of the earth and other similar planets, exposed on the surface or underlying the soil.

- Earth: The planet on which we live; the world.

- **Cycle:** Move in or follow a regularly repeated sequence of events.

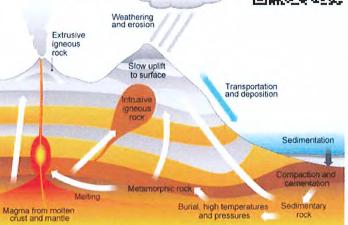
- **Temperature:** The degree or intensity of heat present in a substance or object.

- Pressure: Continuous physical force exerted on or against an object by something in contact with it.

#### The rock cycle

Rocks on earth do not always stay the same.



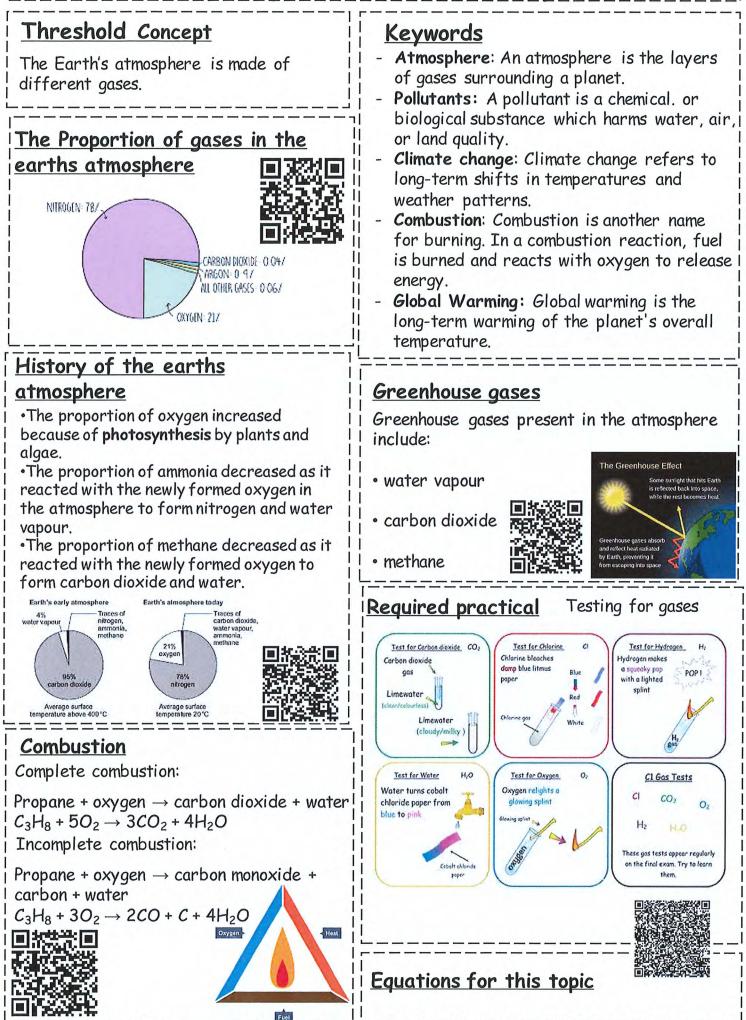


Rocks are continually changing due to processes such as, weathering, erosion and large earth movements. The rocks are gradually recycled over millions of years, changing between the different rock types.

Required practical

Equations for this topic

# Chemistry of the atmosphere



# Bonding Part 1

#### Threshold Concept

How do 100 elements make up everything in the universe?

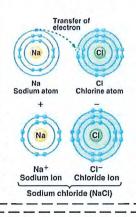
#### Forming ions

An ion is an charged particle.

Atoms will lose or gain electrons to get a full outer shell.

The **metal** atom **loses electrons** to become a **positive** ion

The **non-metal** atom **gains electrons** to become a **negative** ion.





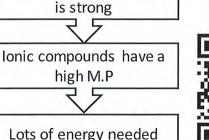
Use task 3-5

#### Ionic compounds and properties

Positive and negative ions join together to form a giant ionic lattice

electrostatic attraction





Lots of energy needed to overcome attraction



Ionic compounds <u>don't</u> conduct when <u>solid</u> because the ions are locked in position. When molten or dissolved the ions are free to move and can conduct

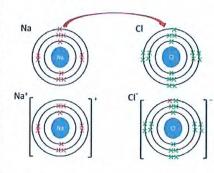
#### Keywords

**Electron** - a subatomic particle with a negative charge

Electrostatic attraction - strong attraction between oppositely charged ions Weak intermolecular forces - force of attraction between atoms, elements and molecules Delocalised electron - free moving electron that isn't a part of any atom Ion – a charged particle

#### Ionic bonds

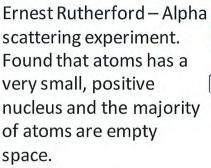
Ionic bonds are formed between metals and non-metals. Metals **lose** electrons and **nonmetals** gain electrons. The oppositely charged ions attract one another forming an ionic bond.

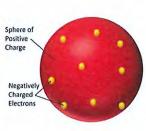


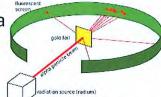


#### History of the atom

JJ Thomson – Suggested the <u>plum pudding model</u>. Atoms were a ball of positive charge with negative particles scattered within.

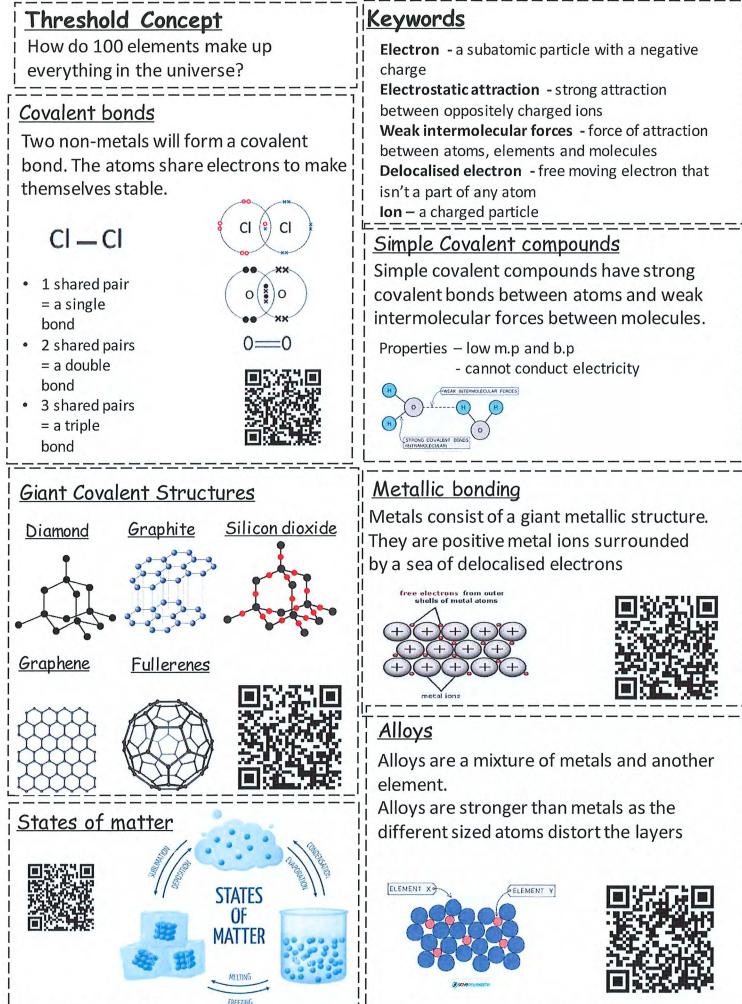




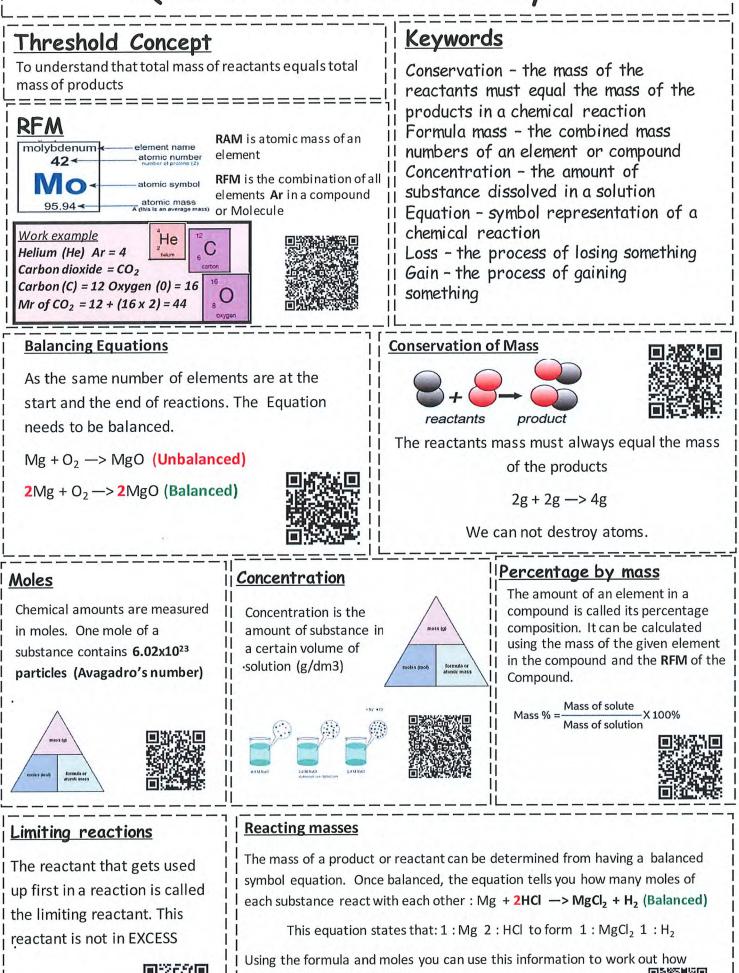




# Bonding Part 2



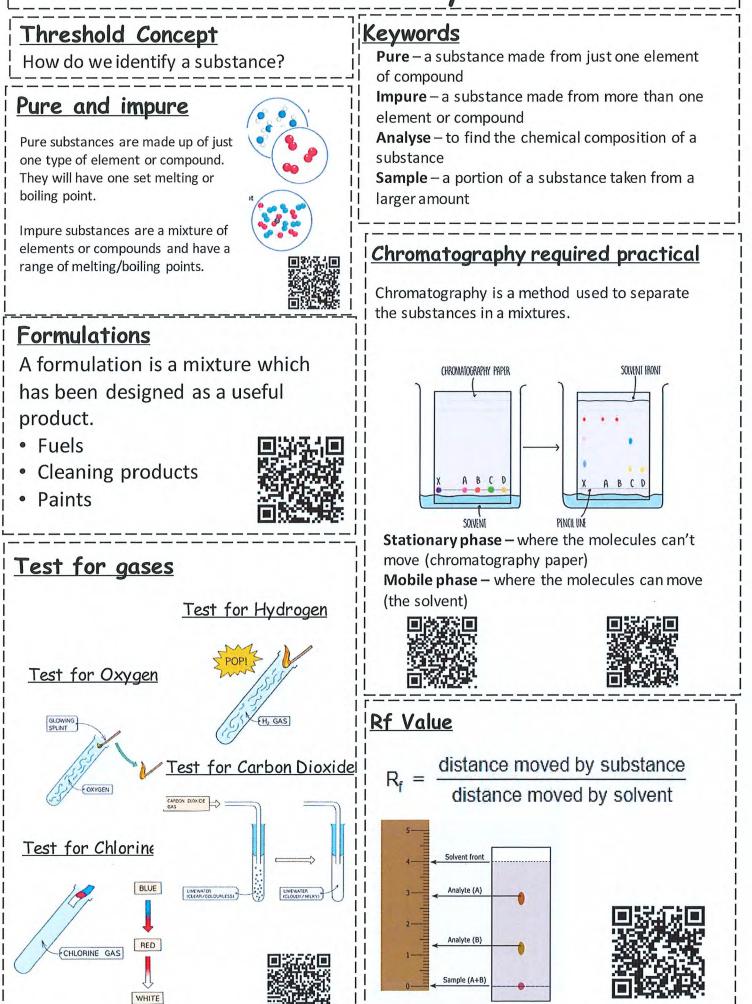
## Quantitative chemistry





much product you will make

# Chemical analysis



# Chemical analysis Triple

#### Threshold Concept

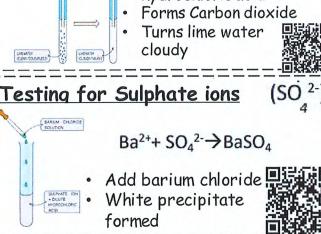
How do we identify a substance?

#### <u>Testing for metal ions</u>

Metal ions will form coloured precipitates when they react with sodium hydroxide.

Metal Cation	Effect of adding NaOH		
Aluminium (Al <sup>3+</sup> )	White precipitate, dissolves in excess NaOH to form a colourless solution		
Magnesium (Mg <sup>2+</sup> )	White precipitate, incoluble so remains in excess NaOH		
Calcium (Ca <sup>2+</sup> )	White precipitate, insoluble so remains in excess NaOH		
Copper (II) (Cu <sup>2+</sup> )	Light blue precipitate, insoluble in excess		
Iron (11) (Fe <sup>2+</sup> )	Green precipitate, insoluble in excess		
Iron (III) (Fe <sup>3+</sup> )	Red-brown precipitate, insoluble in excess		

#### Testing for carbonate ions $CO_3^2$ - $K_2CO_3+2HCI \rightarrow 2KCI+CO_2+H_2O$ • Metal carbonate and hydrochloric acid



# Flame emission spectroscopy



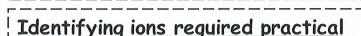
#### Keywords

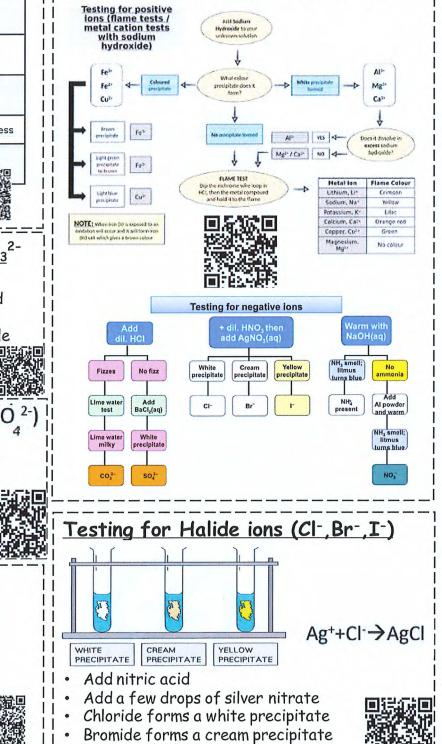
Pure - a substance made from just one element of compound

Impure – a substance made from more than one element or compound Analyse – to find the chemical composition

Analyse - to find the chemical composition of a substance

Sample – a portion of a substance taken from a larger amount





Iodide forms a yellow precipitate

English Language

#### Threshold Concept- Year 10- Language- Reading:

TC1 -Understanding texts: identifying explicit and implicit information; selecting accurate and precise quotations.

TC2 – Demonstrate and appreciation of the writer's craft through analysis and critically evaluative comments.

TC4 – Evaluate writer's craft including comparison skills.

The quotation: "as

strong as a bull" is a

simile, which shows...

N

The quotation: "as

strong as a bull"

shows...



Showing your understanding of texts- use PEEZL to structure your answers. Component 1, Question 2 response- 5/5 marks. The writer creates the impression that there is a Point-rephrase key words from question to start misunderstanding between the characters of Enma and Relation. For primple, the writer describes how Robbie your answer. Mention was well known for his grampiness", yet "Emma michook, it for shypers". The fact that Emma michook his grampy allibude for long shy emphasises how the couple do not fully understand each other as they misinterpret, each other behavior. techniques Evidence - introduce quotation(s). here! Explanation - explain what quotations shows. The writer also oralles the impression that **Zoom** - pick a single word choice made by the Enna and Robbie are both very different people. While Robbie is twenty yours dall than her" and quite grumpy, Emma is impressionable and dightly haire as she believes he was more making than writer and explain what it implies. and Link to reader - mention how reader may he vos as a result of his sulking attitude, This impravior is reclarded when the writer explains react and why. how after a neck "Emma nos feeling the need for come time, aport from Pablic". This highlights the disturt rative of their relationships and suggests You should use this info Frequent, short quotations weaved into to get the base knowledge needed to your answers and explained will make confidently answer the different types of your work even more successful! it may not be as strong or lowing as she believes. question on component 1 and 2. Expressing higher order ideas in explanations (for analysis/evaluation). Use this to transform your responses from this... The quotation: "as strong as Text = what is directly written in a piece of a bull" reflects that the What happens. Literature. man is like a strong cow. X 30 (Don't include in your explanations- you'll just be repeating yourself/ retelling the story.) W ... TEXT To this... The quotation "as strong as a bull" BTEXT shows that the man in question is a powerful physical specimen. It may <u>Subtext =</u> the meanings beneath the surface of what is written. also reflect the man is mentally tough, perhaps even stubborn. The noun "bull" might reflect the These are the thing that show you are thinking deeply about the writer's choices interpretations writer's intention to show that the man is aggressive, perhaps Writer's foreshadowing harm he does to others later in the story. 🗸 Comparing successfully- using comparative Identifying language and structural features. connectives. 0 2 Read lines 7-16. What impressions does the writer create of Emma and Robbie in these lines? [5] Words that signal a comparison Words that signal a contrast You must refer to the language used in the text to support your answer, using relevant subject terminology where appropriate. however Although Also Whereas Whenever you see the highlighted words, try to identify and Alike In contras 回溯的回 Likewise mention the writer's technique choices in your essays. Yet Resembles Differs from Similar Common language techniques Instead Just as Unlike Just like On the contrary Simile Lists Equally Different from Same both On the other hand Metaphor **Repetition of words** Make sure Personification Lexical (word) patterning you Platinum answers may include: The words "more" Adjective Repetition of a technique clearly "less" regularly AND comparative adjectives. mention Tone shift Adverb which Words that end in 'er' that compare two things i.e. specific Make sure you can 🞽 Use this to greater. text you are confidently identify these! transform your discussina Use these frequently when comparing nonresponses from every fiction texts. To this... 回法访问回 time. this... 

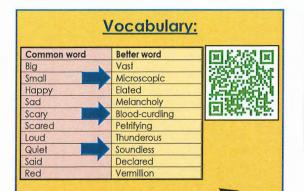
Both the `Penny Review` and the Chilean mining article finish with the miners being rescued. This creates a sense of drama as the rest of the texts build up tension and anticipation for their rescue. However, in the Chilean article the day of the rescue is also mentioned at the beginning: the "scenes of jubilation erupted" as the miners were rescued. This dramatic verb 'erupted' portrays the excitement and

#### Threshold Concept- Year 10- Writing:

TC5 - Communicate clearly, effectively, and imaginatively, selecting and adapting tone, style and register for different forms, purposes and audiences.

TC6 - Organise information and ideas, using structural and grammatical features to support coherence and cohesion of texts

TC7 - Use a range of sentence structures for clarity, purpose and effect, with accurate punctuation and spelling.



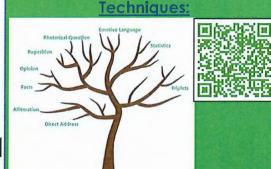
#### Ask yourself these questions:

-Do I know, use and spell correctly plenty of better words for common words?

-Do I push myself to use more ambitious words in all my work- not just English?

Punctuation:

To be a successful writer, you need to juggle all of these different skills.



#### Ask yourself these questions:

-Do I know what all these techniques are?

-Do I use a range of these (and maybe even some others!) in my own writing?

#### Structure:

For fiction texts-SCIT:

Section 1: Describe the setting.

40 min successful plot structure- SCIT.

Section 2: Describe the main character.

Section 3: Describe ONE incident.

<u>Section 4:</u> Describe how the setting/character has now transformed.

For non-fiction texts- PAF:				
Purpose	are writing	Inform, persuade, advise, review, entertain.	回漫	

Wide audience,

council, parents,

tourists, teenagers Letter, magazine

article, newspaper

WHO you

to/for.

are writing

WHAT you are writing

and HOW it

is uniquely

laid out.

Audience

Form

目的認知世
449455
GROWER AND
2432.644
E.404225

3.32.05

#### Ask yourself these questions:

0

?

-Am I aware of the function and when to use each of these pieces of punctuation?

-Do I consistently use all these pieces of punctuation in my writing?

#### Ask yourself these questions:

article advertisement,

speech

- Does my writing achieve what I want it to?
- Do I adapt my writing (i.e. word/language choices) based on the task I am set?

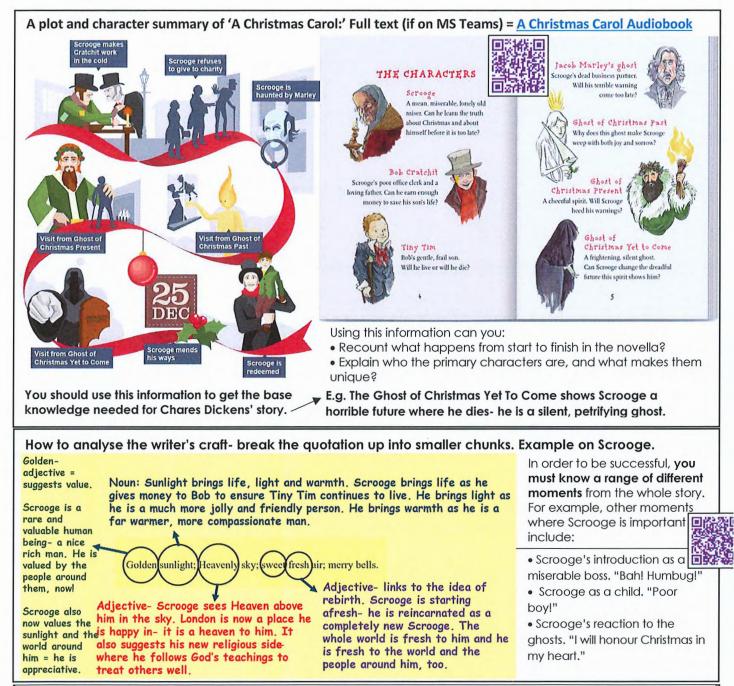
English Literature

#### Threshold Concept- Year 10- A Christmas Carol:

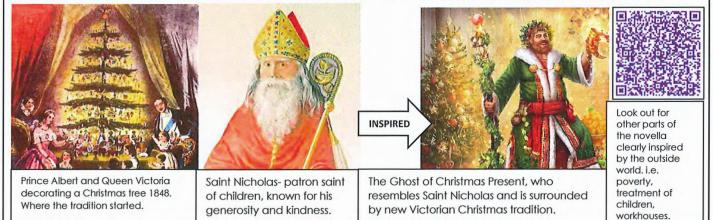
TC1 - Understanding texts

TC2 - Demonstrate an appreciation of the writer's craft through analysis and critically evaluative comments.

TC3 - Understanding the relationships between texts and the contexts in which they were written.



#### The relationships between A Christmas Carol and the historical context in which they are written.



#### Threshold Concept- Year 10- Poetry:

TC1 - Understanding texts

ou

1914- Propaganda posters/

poetry persuades men to

go to WW1.

9

17

in the army.

1915- Wilfred Owen enlists

1915- 1918- Wilfred Owen

(including gas attacks).

experiences the horrors of war

TC2 - Demonstrate an appreciation of the writer's craft through analysis and critically evaluative comments.

TC3 - Show understanding of the relationships between texts, and the contexts in which they were written.

Poem	1 sentence summary		eduqus	
The Manhunt	The one where a wife writes about her scarred s	soldier-husband.		
Sonnet 43	The one about listing ways you love someone.		GCSE POETRY	
ondon	The one about hating a city and what it represents.		ANTHOLOGY	
The Soldier	The one about the glory of dying for England.			
She Walks in Beauty	The one about the beauty of a mourning woman.			
iving Space	The one about the cramped Indian slums.			
As Impercitibly as Grief.	The one about fear of time passing away and death.			
Cozy Apolgia	The one about the specialness of a normal "boring" relationship.			
alentine	The one about how love is like an onion			
Wife in London	The one about the wife who finds out her husband has died in South Africa.		You should use this info	
eath of a Naturalist	The one about where frogs teach a child about reproduction.		to get the base knowledge needed for each poem.	
lawk Roosting	The one about where a bird is compared to huma	nity.	Using this information can you	
"o Autumn	The one where a season is compared to a woman,	/ goddess.	<ul> <li>Recount the main idea from</li> </ul>	
Afternoons	The one where about the restrictions of motherhood.		<ul><li>each poem?</li><li>Begin to recount</li></ul>	
oulce Et Decorum Est	The one about a WW1 gas attack.		quotations/words/the	
Dzymandias	The one about the broken statue of someone who was powerful.		background in the poems? ✓	
Nametz Wood	The one about soldiers' remains in farming fields.		E.g. London is a poem about how	
he Prelude	The one about the magic of cold winter days.		horrible the capital of England is to the poet.	
Form Sonnet?	Ballad? Free verse? Ode? Narrative poem?	power.	poem = Ozymandias loved hi	
ungunge	Nord choices? Adjectives/adverbs? Verbs? Lexical fields? Connotations?	loneliness refl Ozymandias		
Similes? Metaphors? Personification? Hyperbole Senses? Alliteration? Onomatopoeia?		"sneer of cold alliteration su to his slaves	d command" strong sounding uggest violence of Ozymandia	
Chyme/stru	Cture Rhyme scheme? Enjambment? Caesura?	= isolation of		
OHE Joyful? Dep	pressed? Angry? Ironic? Nostalgic? Shifting?		- King of kings" <i>ironic</i> tone- power has faded completely.	
THERE IS STILL	of the poem to the writer's life/ the hi	story behind it! This line	ks to the context of the poem, because	

have stories behind them that inspired the writers- make sure you know them and mention them to showcase your knowledge!

1917- 1918- Wilfred Owen writes a

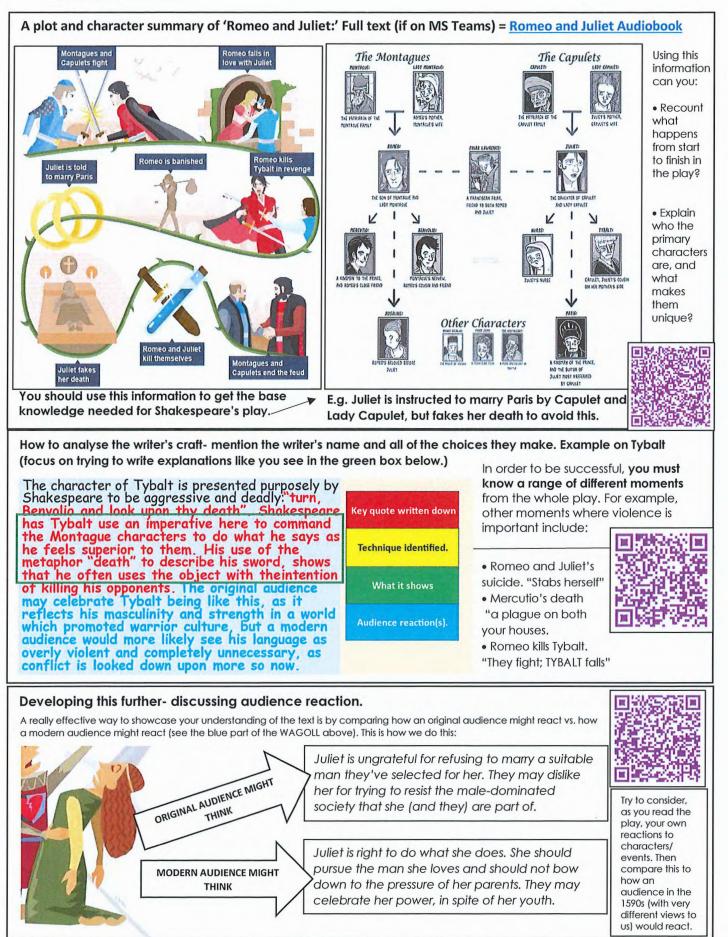
response to the propaganda that

persuaded men to go to war.

#### Threshold Concept- Year 10- Romeo and Juliet:

TC1 - Understanding texts

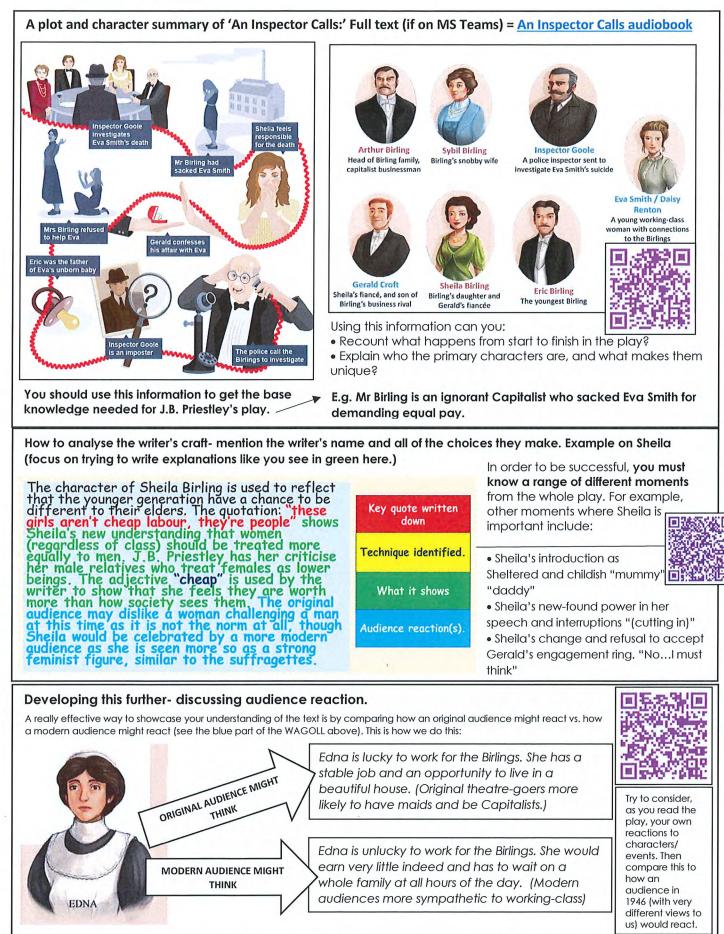
TC2 - Demonstrate an appreciation of the writer's craft through analysis and critically evaluative comments.



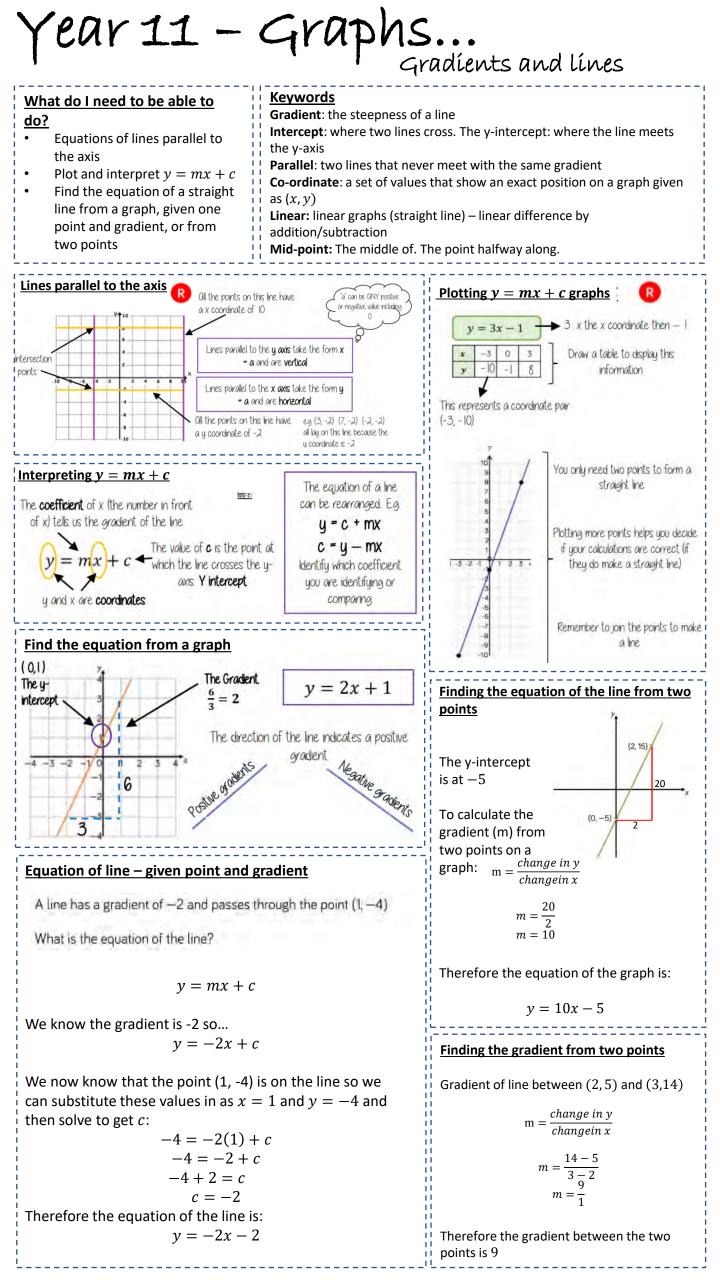
#### Threshold Concept- Year 10- An Inspector Calls:

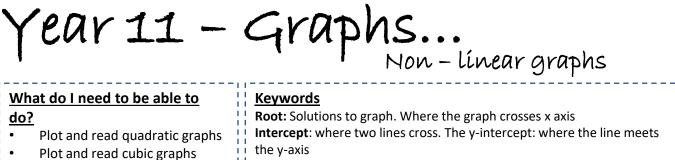
TC1 - Understanding texts

TC2 - Demonstrate an appreciation of the writer's craft through analysis and critically evaluative comments.

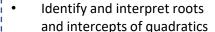


# Maths





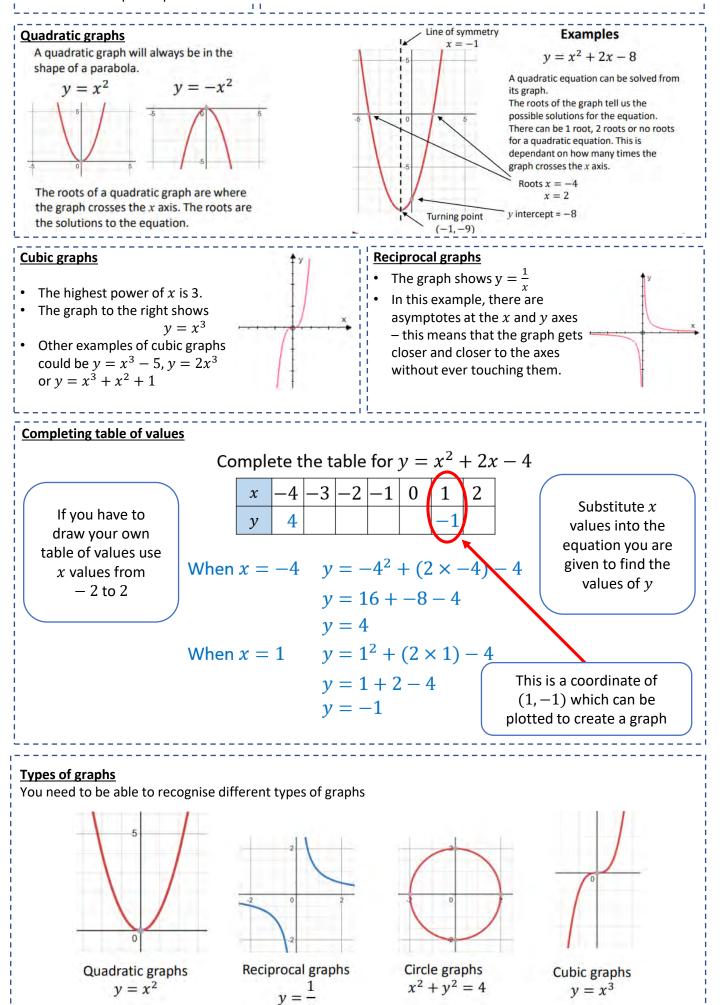
**Parallel**: two lines that never meet with the same gradient **Co-ordinate**: a set of values that show an exact position on a graph **Quadratic**:  $x^2$  the highest exponent of the variable (usually x) is a square **Cubic**:  $x^3$  the highest exponent of the variable is three **Reciprocal**: a pair of numbers that multiply together to give 1



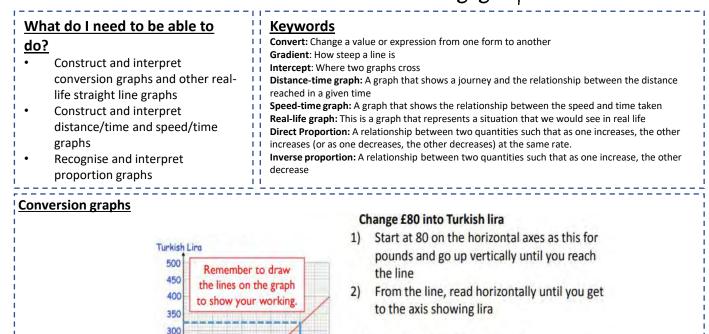
**Recognise graph shapes** 

graphs

Plot and read from reciprocal



# Year 11 - Graphs...



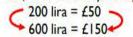
2)

UK pounds

#### Change 600 Turkish lira to pounds

As this value is not shown by the graph, we have to use a value that is to help.

 Start at 200 on the vertical axes and go across horizontally until you reach the line. From the line, read vertically until you get to the axes.



75

50

25

o

10

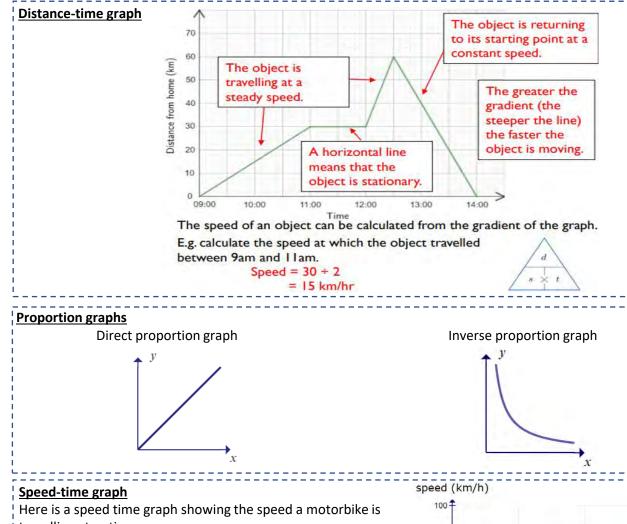
20

40

time (s)

50

60



- travelling at as time goes on.
- A- the motorbike is **accelerating** guite hard
- B the bike is still accelerating, but less hard

250

200

150

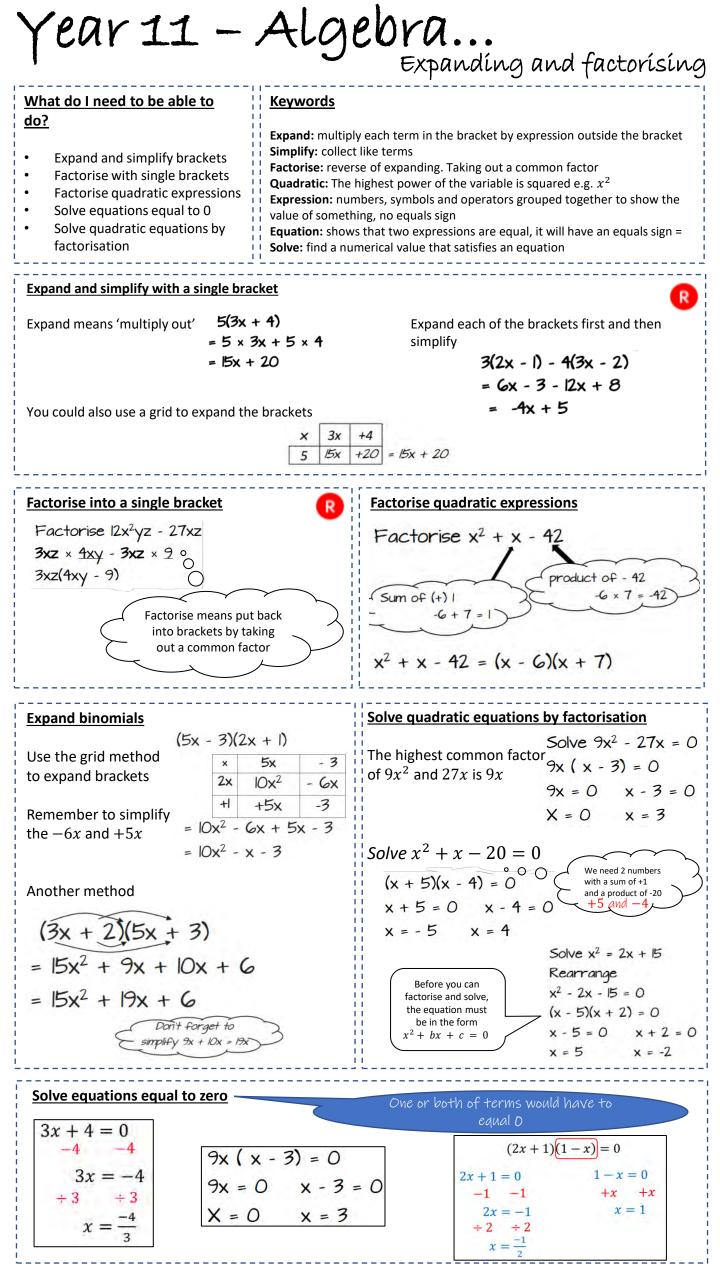
100

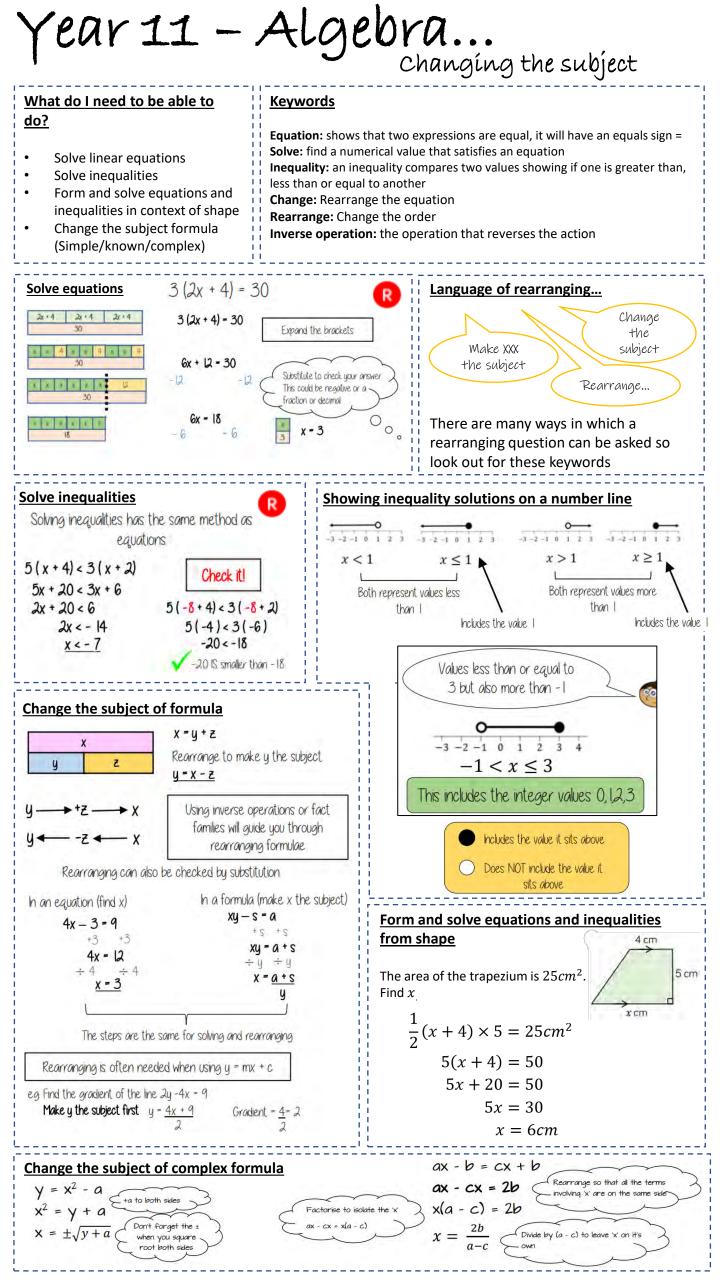
50

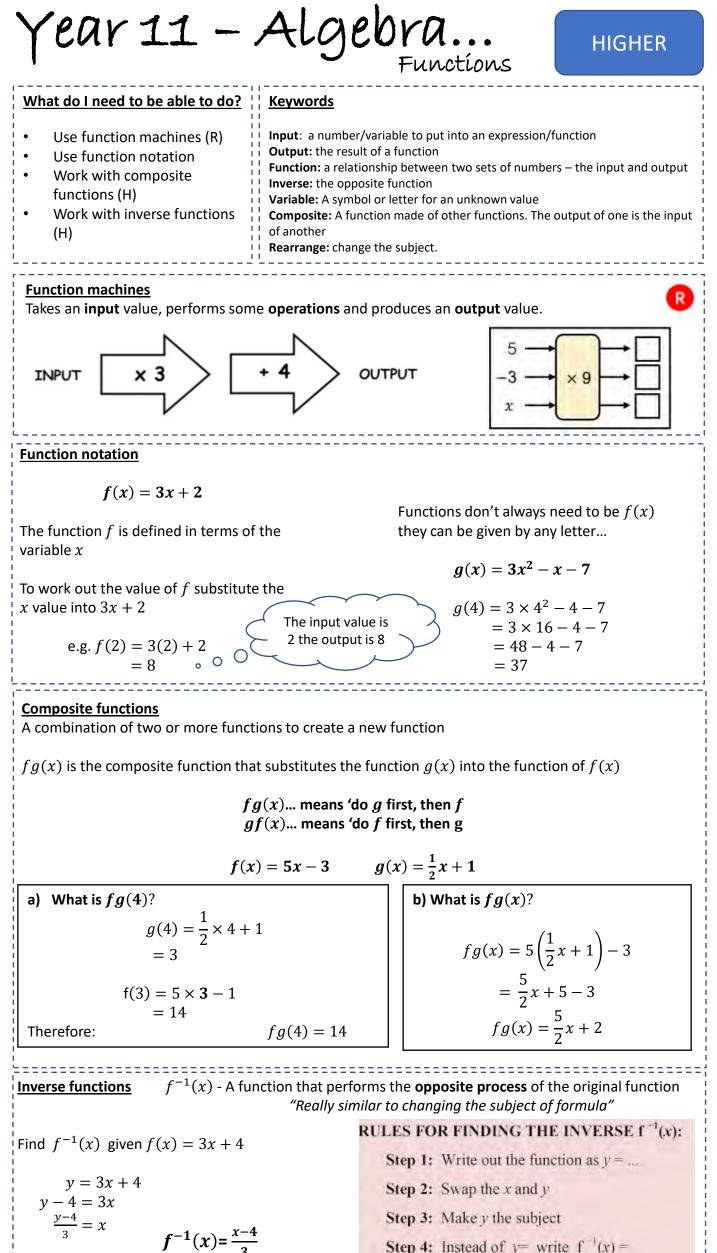
0

10 20 30 40 50 60 70 80 90 100

- C The bike is now travelling at a constant speed of 75km/hr
- D The bike is **slowing down** at a constant rate







**Step 4:** Instead of y= write  $f^{-1}(x)=$ 

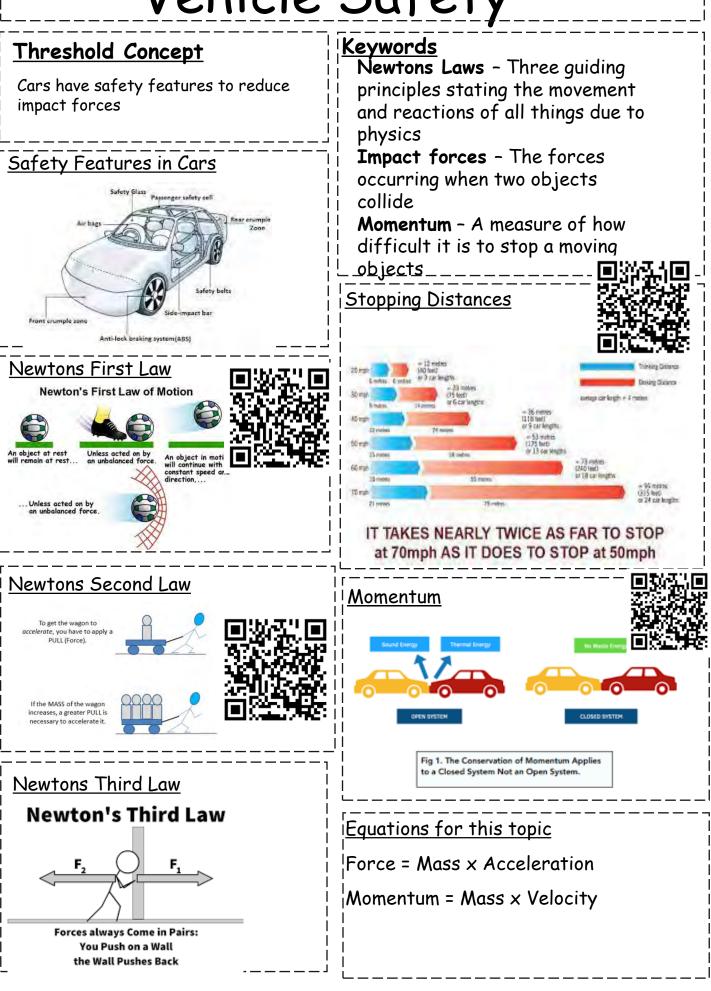
## PSHE

#### Year 11 - PSHE Studies Knowledge Organiser - Health and Wellbeing and Living in the Wider World

Key Skills Key Terms PSHE covers a variety of topics that focus on developing understanding in four key A technology that superimposes a Augmented Active listening and areas: personal, social, health and economic. ٠ Reality computer-generated image on a user's communication view of the real world, thus providing a composite view **Online Reputation** Teamwork ٠ Virtual The computer-generated simulation of Negotiation and self advocacy ٠ Reality a three-dimensional image or When you go online you leave a footprint. Leadership ٠ environment that can be interacted Everything you interact with leaves a trace. with Presentation and debate Often what people see about you online helps to Botox A bacteria substance which is injected form their first impressions of you. More and into specific muscles (normally more, employers are looking up potential forehead, outer part of eyes and Job Interviews muscles of the mouth and jaw) employees to see what they can find on them online. Therefore, it's important that what people If your CV or application is Fillers Injections (often hyaluronic acid) to can see online about you shows you in a good light. successful, the next step is make areas of the face to look fuller. skin look plumper & younger that you may be asked to CVs interview. A CV (Curriculum Vitae) is a document that you can The trace you leave behind when using Digital use to apply for jobs. Footprint the internet This is usually a face-to-face It should be no more than two sides of A4. It should meeting with the potential include your contact information, qualifications, employer. The Dark the name given to specific websites skills, references and work experience. It should Web which are have no spelling or grammar mistakes. not accessible through normal search They will ask you questions engines. Special about yourself and your ability Personal Statement software or networks are needed in to do the job. They may also order for it to be A personal statement is a written account of accessed. yourself. It is often used for job or college ask you to perform some tasks applications. to test your skills.

## Physics

# Vehicle Safety



### RSE

### Year 11 - RSE - Respectful Relationships/Sexual and Intimate Relationships

<u>Key Terms</u>		RSE covers a variety of topics and focuses on developing understanding of different	Key Skills
Asexuality	Having little or no sexual feelings or desires for others	aspects of relationships. This includes with yourself, friendships, romantic and sexual relationships	<ul> <li>Active listening and communication</li> <li>Teamwork</li> <li>Presentation and debate</li> <li><u>Sexual Health</u></li> <li>Sexual health is a state of physical, mental and social well-being in relation to</li> </ul>
Monogamy	The most common form of relationship - a sexual relationship that has developed between two people only		
LGBTQIA+	Lesbian, Gay, Bisexual, Transgender, Queer, Intersex, Asexual +	CONTRACTOR OF A SUBJECT OF A SU	sexuality. This includes thinking about: contraception, consent and coercion
Gender Expression	The way we show our gender to the world	Child-on-Child Abuse Child-on-Child Abuse (previously referred to as Peer-on- Peer Abuse) includes, but is not limited to: • Physical and sexual abuse • Sexual harassment and violence • Emotional harm • Online and offline bullying • Teenage relationship abuse It can even include grooming children for sexual and criminal exploitation.	Contraception
Toxic Masculinity	An expression of manhood which depends on being tough, unemotional, strong physically or financially, and powerful		Condom - Made of latex, put on to an erect penis before penetration Abstinence - Restraining yourself from having any form of sexual contact Contraceptive Pill - Contains hormones and is
STIS	Sexual Transmitted Infections		taken daily (often at the same time every day) by women. Stops the lining of the Womb thickening
Chlamydia	A common STI which can cause fertility problems in females		Implant - A small tube inserted under the skin (usually in the arm). It releases hormones which prevent pregnancy

## **Triple Science**

### Space (TRIPLE)

#### Threshold Concept

The Solar System is made up of many types of objects.

#### <u>Keywords</u>

**Solar System** - the collection of eight planets and their moons in orbit round the Sun, together with smaller bodies in the form of asteroids, meteoroids, and comets. **Orbit** - the curved path of a celestial object or spacecraft round a star, planet, or moon

Sun - the star around which the 8 planets of the Solar System orbits.

**Planet** - a celestial body moving in an elliptical orbit round a star.

**Moon** - a celestial body moving in orbit around a planet. They are natural satellites. **Satellite** - an object, either natural (e.g. The Moon), or artificial, that orbits a moon, planet or star. Artificial satellites are for information gathering.

