

Knowledge Organisers Spring Term – Year 9

Name:

Please remember:

- It is to be kept inside your knowledge organiser book
 - It is to be brought into school every day

Regular retrieval throughout a scheme of learning (daily, weekly and monthly) has been proven to **reduce the rate of forgetting**, supporting you to **retain more** in long term memory- making assessments/ exams way easier! The challenge for you as a student is to make sure you use your knowledge organiser for each subject properly to help you to know more and remember more over time. We've created this walk through to support you in using your knowledge organiser- for more support speak to your subject teachers.

Using your Knowledge Organiser



1	2	3	4	5
Look	Cover	Write	Check	Repeat
Start with a small section of knowledge	Now cover up this section of your	Self quiz- what can you remember and	Remove the post it and check for	After a short break away from your
that you want to remember e.g Henry	knowledge organiser with a post it note	rewrite? Make sure you do this without	accuracy - did you get the key	knowledge organiser repeat the look,
VIII's wives in History. Read through this	or scrap paper.	looking back at your knowledge	terminology? Was it spelt correctly?	cover, write, check until you can recall
section of the knowledge organiser (a		organiser.	Was the order correct? If you drew a	all of the facts correctly without
couple of times if it helps)			diagram, how much of this did you get correct?	prompts.
			Most importantly- what did you miss	This process can be used for any new knowledge that you want to acquire. It
			out?	is good idea to do this on a regular basis, once a week.

Strategy 1- Look, cover, write, check – A really simple but effective way to use your knowledge organiser. Focus on a specific area of your knowledge organiser.

1	2	3	4	5
Focus	Big ideas	Explain it	Link it	Record it
Make it manageable by selecting an	Pick out the main points or the big	Explain what you know about the main	Now, see how it links to other areas	Write down as many 'think it, link it'
area of your KO where your learning is	ideas in this section.	points (this could be written or shared	within the subject. E.g Eating meat –	ideas as you can in your book. See if
not secure. Don't waste time going off		verbally – a friend, a family member.	causes global warming. Cows produce	you can beat others in you class!
something you can already do!			methane which is a greenhouse gas.	

Strategy 2- Think it, link it – Great for connecting the big ideas in your subject. How does 'x' relate to 'y'. What are the key factors which make an equation/ experiment/ process work? Challenge yourself to see how many links you can make!

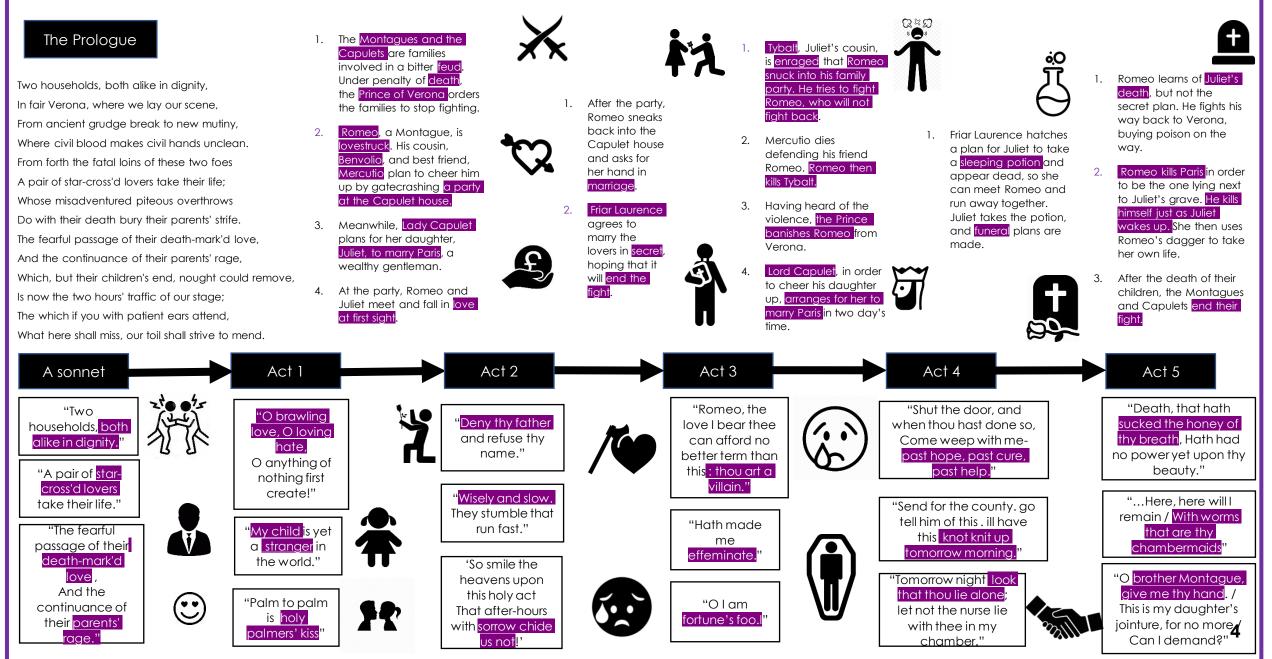
1	2	3	4	5
Select topic	Prepare quiz	Answer it	Self check	Repeat
Decide which area you want to be	Get someone else to prepare 10	Set a time limit (depending on the	Now look at your KO to self check-	Return to this section in 2/3 weeks-see
quizzed on (this might build up over	random questions on that topic to	number of questions) and answer the	make a note of your score. Celebrate	if you can improve your score! Re-do
time)	challenge you.	questions without looking at your KO.	your successes and make a note of	those questions that you missed or got
			anything you missed or got incorrect.	incorrect.

Strategy 3- Knowledge quiz – You might try this after a few weeks of using your knowledge organiser. Get someone to set you 10 questions using your knowledge organiser. These could be spellings, key words, processes, equations etc to see how much you can remember! Record your score and see if you can beat your personal best each half term!

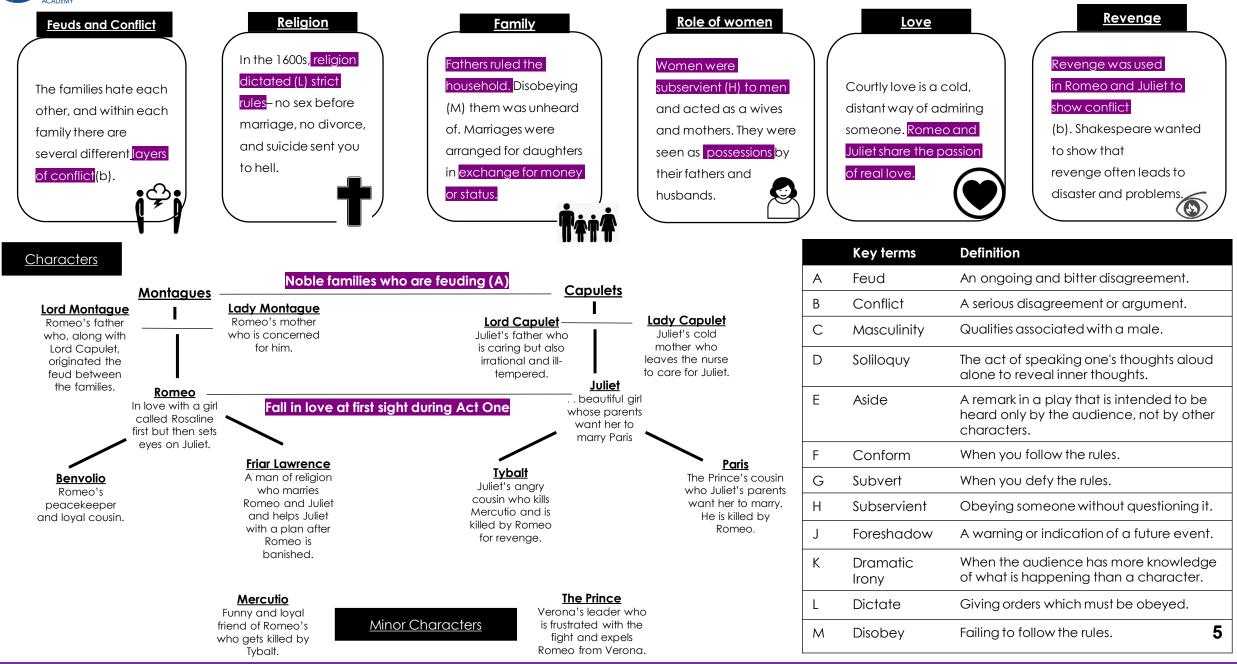
Contents Page

Pages	Subject
4 - 7	English
8 – 16	Maths
17 – 21	Science
22	Art
23	Textiles
24 – 31	Computing
32	Drama
33 – 36	Music
37	Design Technology
38	Engineering
39 – 40	Food Technology
41 – 42	French
43 - 46	Geography
47 – 48	History
49 – 50	PRE
51 – 52	Sport

Year 9 – English – Romeo and Juliet – Plot and Key Quotations



<u>SWB</u> Year 9 – English – Romeo and Juliet – Context, Themes and Character map

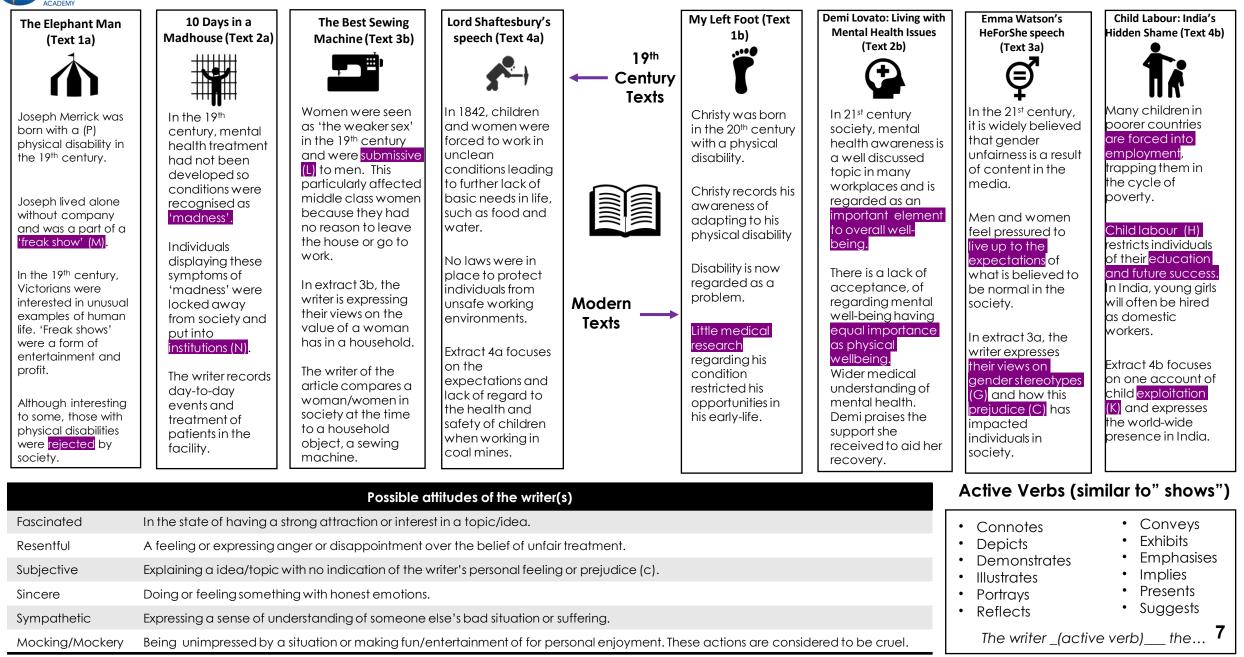


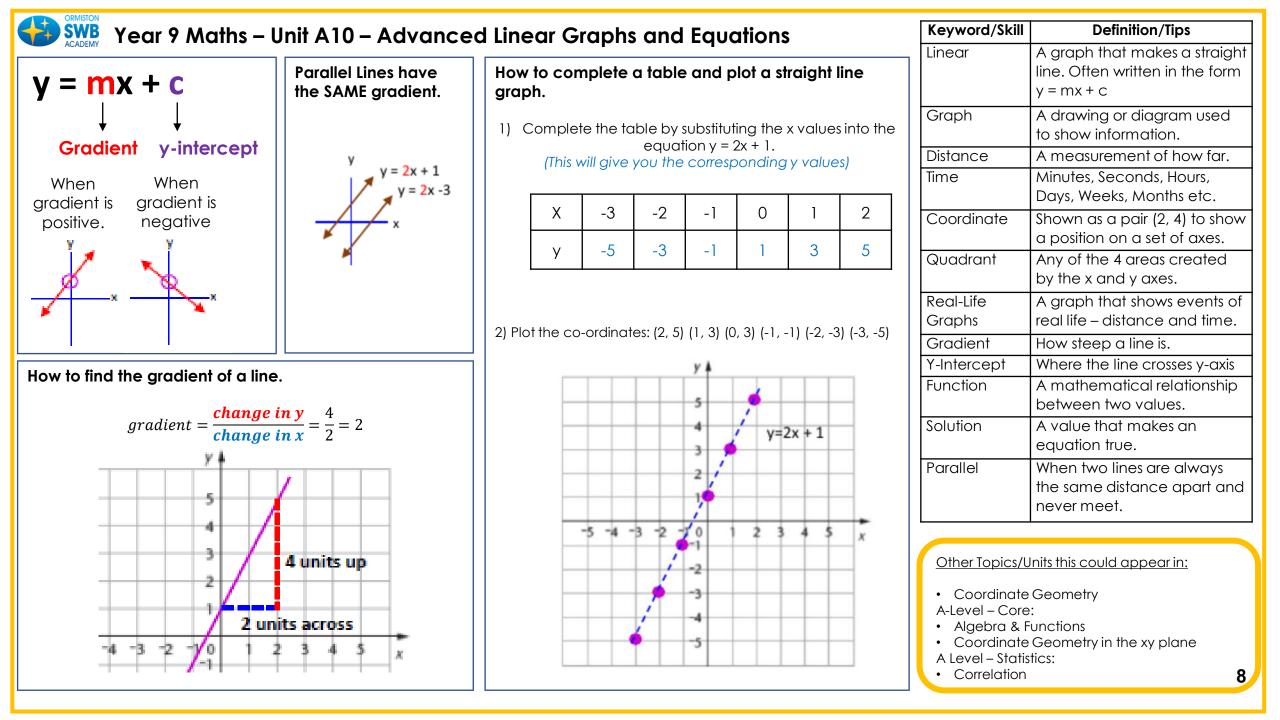
Year 9 – English - Discrimination – Non-Fiction Knowledge Organiser

Key Vocabulary

Disability: 19 th Century attitu	udes	Disability:	: 21 st Century attitudes		Key terms	Definition
whom were dependent on medical by the physical		physical ar	ider acceptance of the diversity (0) of hysical and psychological needs hental health (f)) due to a wider wareness and acceptance amongst e non-disabled.		Discrimination	Unfair treatment of a person from one particular group.
	ments and cures and denied the (mental k prience of living and growing up with awarene				Perspectives/ Attitudes	A settled way of thinking/feeling about something.
				С	Prejudice	Opinion based on no experience.
How do I summarise?	How do I write about lar	nguage?	How do I write about the writer's attitude?	D	Connotations	A feeling or idea that is suggested by a word in addition to its basic meaning.
Step 1: What is the steer (j)	Step 1: What is the steer (i) of the	Step 1: What is the steer (j)	Е	Inference	Work out from the information.
of the question?	question?	"	of the question?		Mental health	A person's condition regarding their emotional and mental well-being.
Step 2: What are the similarities or differences (depending on the	arities or differences presenting? What's your are		rea of Step 2: What is the writer's perspective or attitude	G	Stereotypes	An idea of someone that does not correctly represent someone.
question) have you identified?			(p)š		Child labour	Work that prevents children from their childhood, but also and their likelihood for success in the future.
	Step 3: How are these ide presented or developed		Step 3: How are these	I	Methods	The ways a writer achieves their aim.
Step 3: What four quotations	Introduce and use your quotations in the middle	Introduce and use your		J	Steer	Direction/focus of the question.
can I use to show the differences or similarities (depending on the	sentence. Identify the lar feature or word class and	nguage d then	guage quotations).		Exploitation	The action or fact of treating someone unfairly to benefit others.
question)?	consider the connotation this.	ns (D) of		L	Submissive	Willing to accept being controlled and receive orders.
Step 4: What <mark>inference (e)</mark>	ep 4: What inference (e) Step 4: Why has the writer		Step 4: Why has the writer used these methods (1)?	М	Freak shows	An entertainment show featuring animals or people with unusual features.
can you make about what the quotations suggest?	Explore connotations (d) back to the focus of the c	these features/key words? Explore connotations (d) and link back to the focus of the question.		Ν	Institutions	An organisation or building that follows a purpose. E.g. an 'insane' hospital.
	What reaction may this e	evoke?	suggest about the writer's attitude?	0	Diversity	Understanding the differences between people and groups.

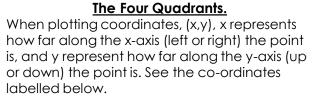
SWB Year 9 – English - Discrimination – Non-Fiction Knowledge Organiser

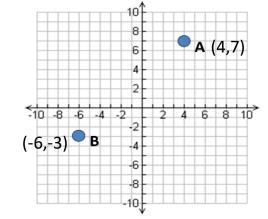






Year 9 Maths – Unit A10 – Advanced Linear Graphs and Equations





Using the Gradient of a Line.

The gradient of a line is how steep it is.

Gradient = $\frac{change in y}{change in x}$

The gradient can be positive (going up) or negative (going down).

In the equation y = 2x + 5, the gradient is 2. In the equation y = -3x - 10, the gradient is -3.

If two lines are parallel, they will have the SAME gradient. Example:

y = 2x + 5 and y = 2x - 6 are parallel because they both have a gradient of 2



Add the x coordinates and divide by 2. Add the y coordinates and divide by 2.

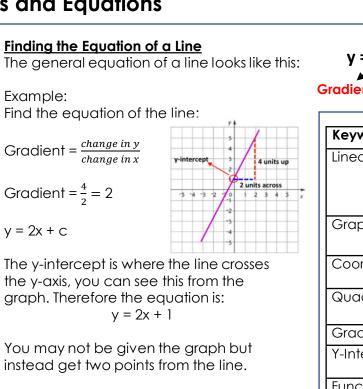
Example:

Find the midpoint between (2, 1)and (6, 9)

$$\frac{2+6}{2} = 4$$
 and $\frac{1+9}{2} = 5$

So the midpoint is (4, 5).

Gradient = 4/2 = 2Gradient = -3/1 = -3-31 2 4 5 6 7 9 10



Example:

A line passes through the points (4, 7) and (8, 19). Find the equation of the line.

Gradient = $\frac{change in y}{2}$ change in x

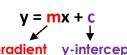
Gradient =
$$\frac{19-7}{8-4} = \frac{12}{4} = 3$$
 y = 3x + c

Then substitute in one of the points to find the value of c Sub (4, 7): 7 = 3(4) + c

$$7 = 12 + 6$$

c = -5

So the equation is: y = 3x - 5

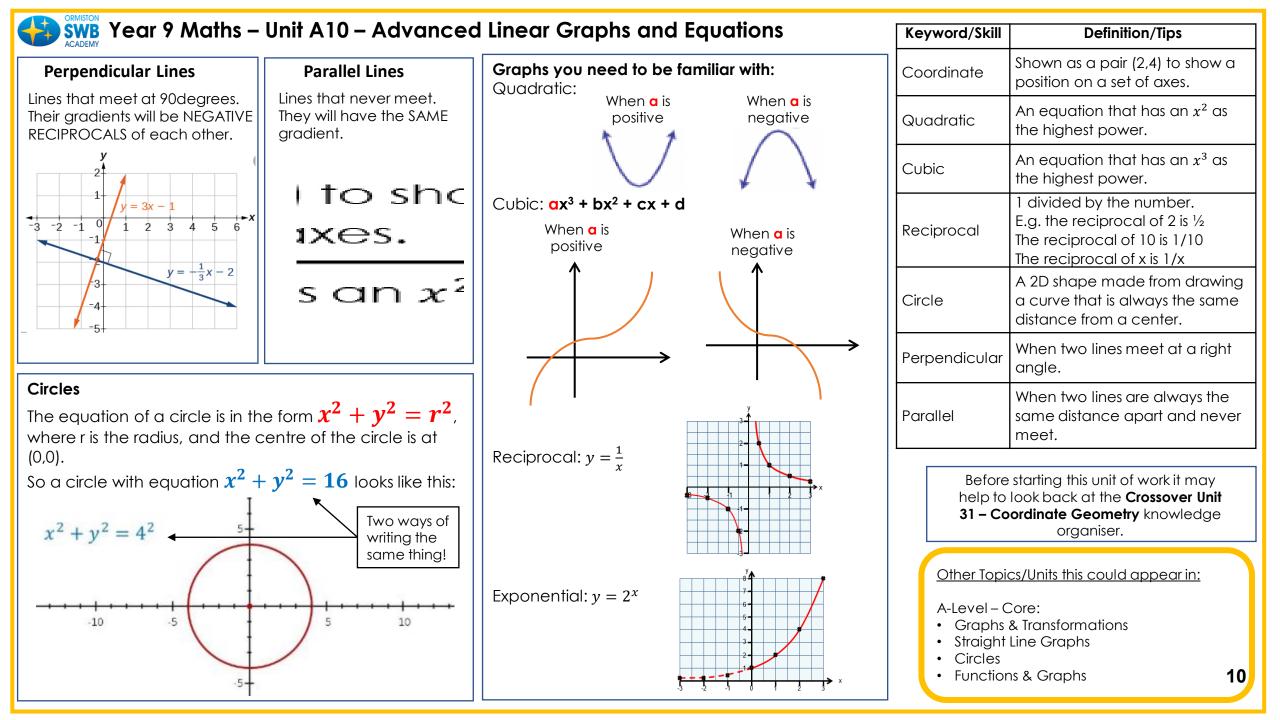


Gradient y-intercept

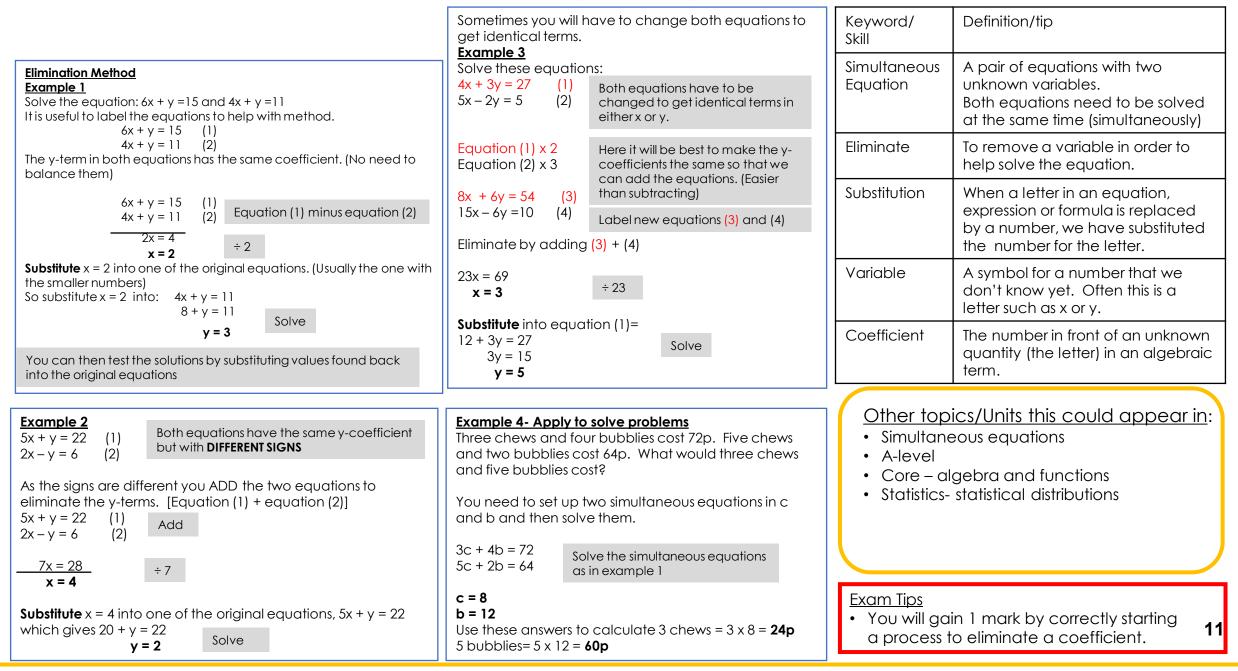
Keyword/Skill	Definition/Tips
	· •
Linear	A graph that makes a
	straight line. Often written in
	the form
Graph	y = mx + c A drawing or diagram used
Giupii	to show information.
<u> </u>	
Coordinate	Shown as a pair (2, 4) to show
<u> </u>	a position on a set of axes.
Quadrant	Any of the 4 areas created
	by the x and y axes.
Gradient	How steep a line is.
Y-Intercept	Where the line crosses the y-
	axis
Function	A mathematical relationship
	between two values.
Solution	A value that makes an
	equation true.
Parallel	When two lines are always
	the same distance apart and
	never meet.
Midpoint	The point that is exactly mid
·	way between to given
	points.

Other Topics/Units this could appear in: Coordinate Geometry A-Level – Core: Coordinate Geometry in the xy plane

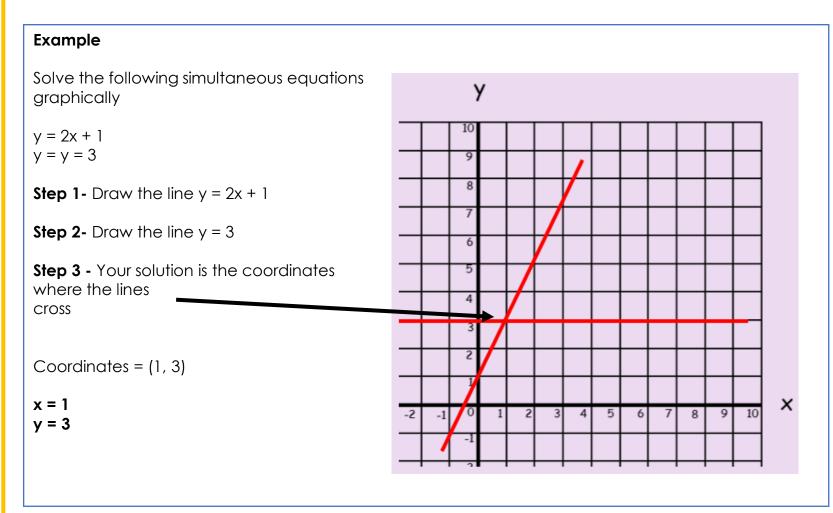
9



SWB Year 9 Maths – Unit A10 – Advanced Linear Graphs and Equations



Year 9 Maths – Unit A10 – Advanced Linear Graphs and Equations



Keyword/ Skill	Definition/tip
Simultaneous Equation	A pair of equations with two unknown variables. Both equations need to be solved at the same time (simultaneously)
Eliminate	To remove a variable in order to help solve the equation.
Substitution	When a letter in an equation, expression or formula is replaced by a number, we have substituted the number for the letter.
Variable	A symbol for a number that we don't know yet. Often this is a letter such as x or y.
Coefficient	The number in front of an unknown quantity (the letter) in an algebraic term.

Other topics/Units this could appear in:

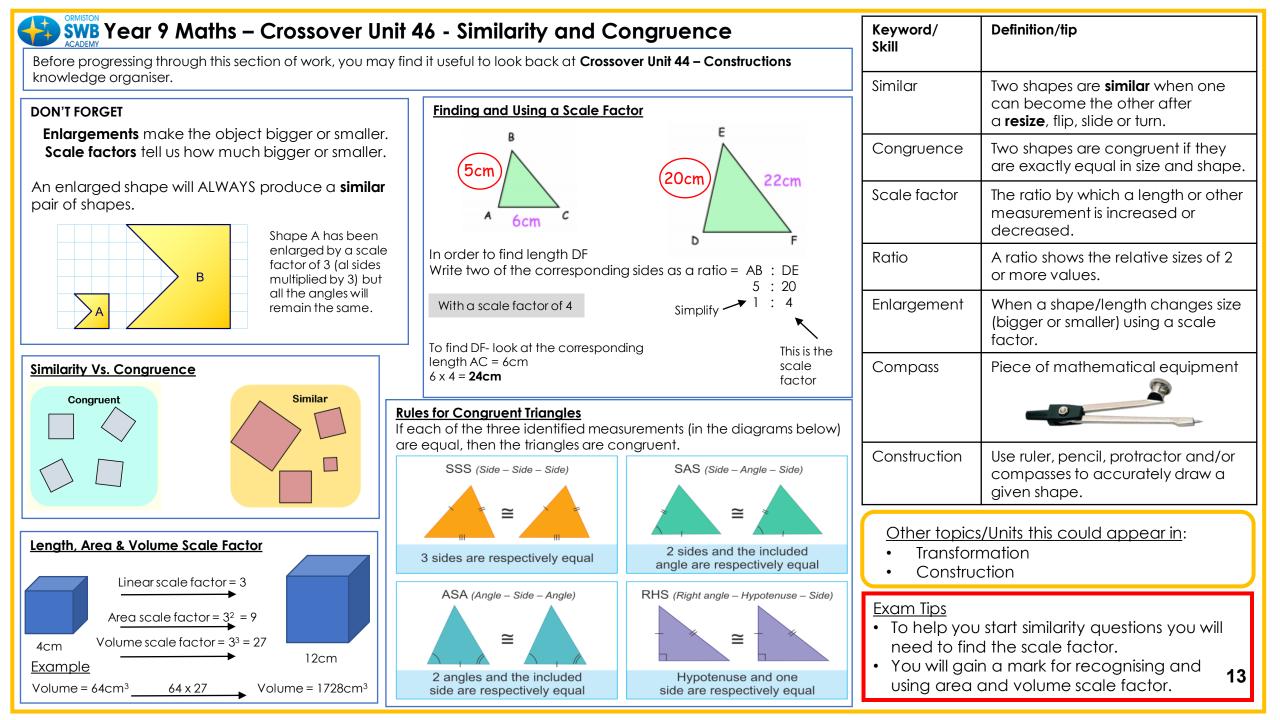
- Simultaneous equations
- A-level
- Core algebra and functions
- Statistics- statistical distributions

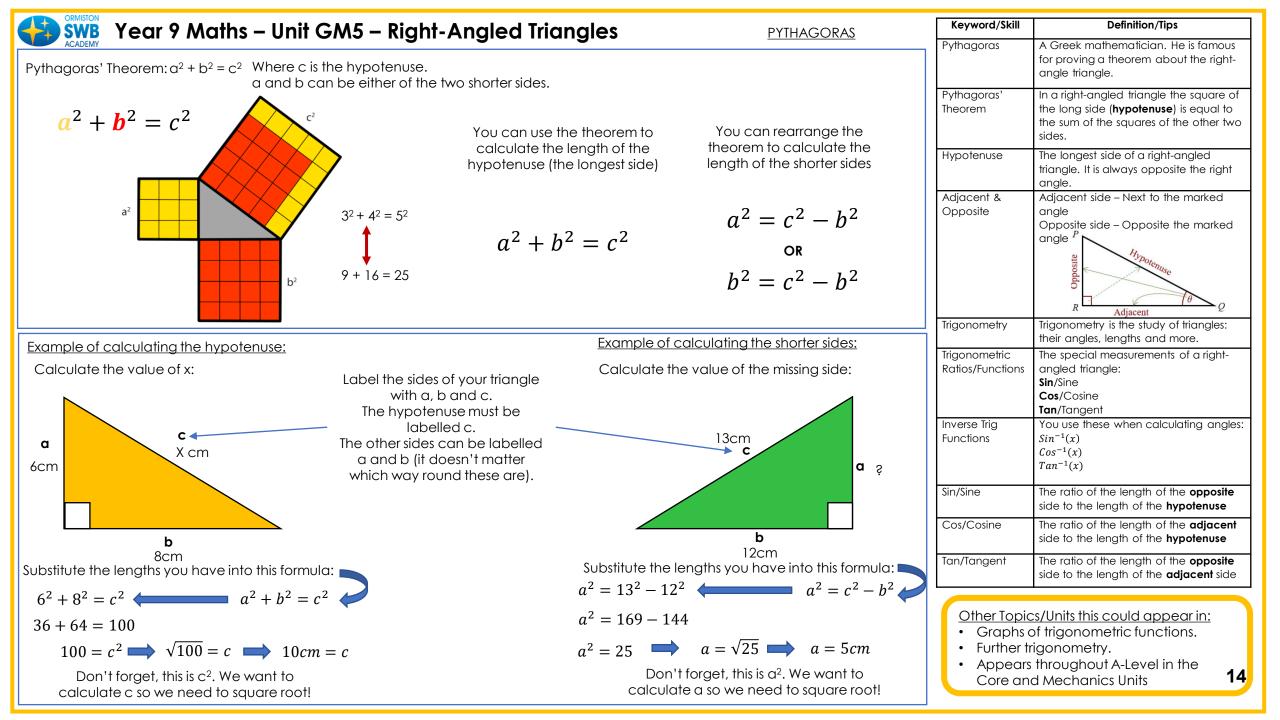
Further questions relating to this topic may include solving simultaneous equations graphically when **one equation is linear and the other is quadratic**. As with the example above, you would draw the graph of the equations and look for where your straight line crosses two parts of the quadratic curve.

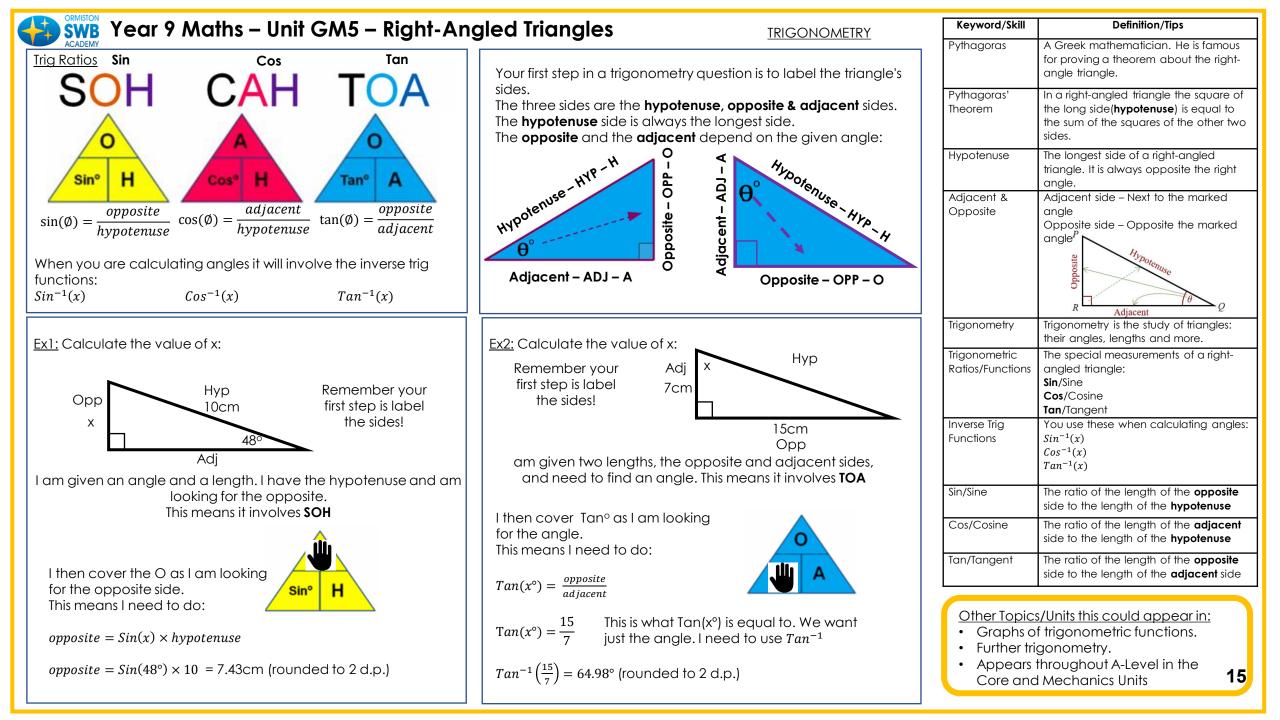
<u>Exam Tips</u>

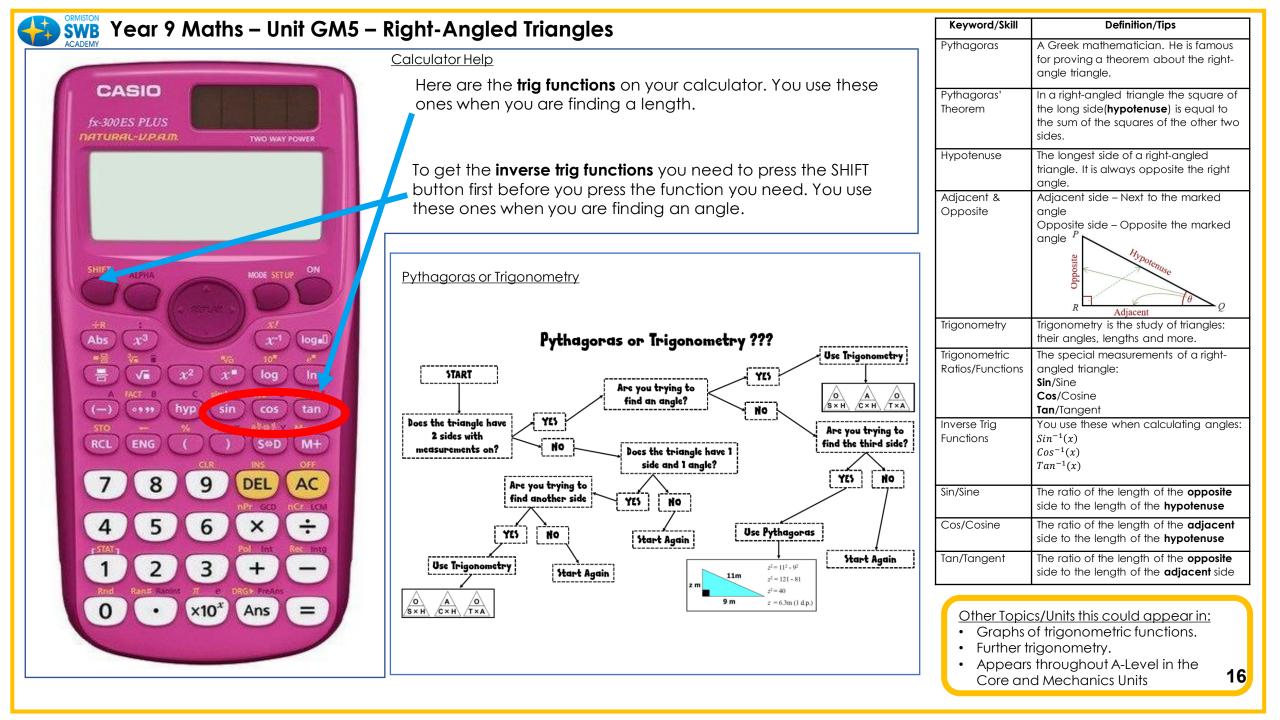
If you need to draw your own straight line graph you will gain marks for that

• If the graph has been drawn for you LOOK at where the lines cross.











Year 9 – Science – Chemistry Topic 5-7 - Chemical Bonding

ACA	DEMY			•			
lonic	Particles are oppositely charged ions		Occurs in compounds formed from metals	Keyword	Definition		
			combined with non metals.	lon	An atom with an electric charge, caused by the loss or gain of electrons.		
Covalent	Particles are a	toms that share pairs	Occurs in most non metallic elements and	Cation	A positively charged ion.		
∧ ≺		•	in compounds of non metals.				
ပိ	of electrons			Anion	A negatively charged ion.		
Metallic	Particles are	atoms which share		Electrostatic force	The attractive or repulsive force between two electrically charged objects.		
at a		lised electrons	Occurs in metallic elements and alloys.	Attraction			
ž				Amaction	The electric force that acts between oppositely charged bodies, tending to draw them together.		
	Keyword		Definition	Intermolecular force	Forces of attraction which act between molecules.		
lonic bo	nic bond A strong electrostati charged ions.		c force of attraction between oppositely	Atom	The smallest unit into which matter can be divided without the release of electrically charged particles.		
Covale	nt bond	The bond formed wh	nen a pair of electrons is shared between	Element	An element is a substance whose atoms all have the		
		two atoms.			same number of protons.		
Metallic	: bond		found in metals. Positively charged ions in a	Compound	A substance formed when two or more chemical		
	Structure	'sea' of negatively of	many particles that are bonded together in		elements are chemically bonded together.		
Lanice	SILOCIOLE	a fixed, regular, grid		Transfer	Movement of a particle from one place to another.		
Melting	point		which a substance changed fro the solid	Share	Two bodies having equal portions distributed between		
	P •		ate when heated, or from the liquid state to	Share	the two.		
		solid state when cod		Delocalised electron	An electron that is not associated with a particular		
Boiling	point	The temperature at	which a substance changed from a liquid to		atom within a shell, or held in a covalent bond.		
		a gas.		Proton	A particle found in the nucleus of an atom, having a		
Charge			ric charge, is a characteristic of a unit of		positive charge and the same mass as a neutron.		
			es the extent to which it has more or fewer	Neutron	A particle found in the nucleus of an atom having zero		
		electrons than proto		Neolion	charge and a mass of 1.		
		Allowing electricity t					
<u>Aqueou</u> Molten	-		ned when a substance is dissolved in water. s been liquefied by heat.	Electron	A tiny particle with a negative charge and very little		
Electror	nair		by the same orbital in an atom or	Shell	Area around a nucleus that can be occupied by		
LICCIIOI			/ forming a nonpolar covalent bond		electrons and usually drawn as circles		
		between atoms.			17		
				Nucleus	The central part of an atom or ion.		



Year 9 – Science – Chemistry Topic 5-7 - Chemical Bonding

Me	etallic bonding			lonic	bonding	g		
Giant structure of	Electrons in the outer shell of metal atoms are delocalised and free to move through the	High melting and boiling points	Large amounts of energy needed to break the bonds.	Electrons are		Metal atoms lose electrons and become positively charged ions	Group z merais form +z	
atoms arranged in a regular pattern	whole structure. This sharing of electrons leads to strong metallic bonds.	Do not conduct electricity when solid	lons are held in a fixed position in the lattice and cannot move.	transferred that all ator have a nob gas configuratio	ns de on	Non metals atoms gain electrons to	ions Group 6 non metals form - 2 ions	
+ + + +	$\begin{array}{c} \bullet \\ \bullet $	Do conduct electricity when molten	Lattice breaks apart and the ions are free to move.	(full outer she	elis).	become negatively charged ions	y Group 7 non metals form - 1 ions	
+ + Delocalised elect		or dissolved Dot and cross (N_a) (Cl) (N_a) (Cl) (N_a) (Cl) (N_a) (Cl) $(C$		Structur	Structure • Held together by strong elec attraction between opposit		by strong electrostatic forces of ween oppositely charged ions	
High melting and boiling points	This is due to the strong metallic bonds.	diagram (2, 8, 1) (2, 8	, 7) (2, 8) (2, 8, 8)			Forces act in all directions in the lattice		
Pure metals can be bent and	Atoms are arranged in layers that can slide over				en Usuc	ompound name ds in –ide, it Illy contains only wo elements.	For example: calcium + oxygen > calcium oxide	
shaped Good conductors of electricity and heat	each other. Delocalised electrons transfer energy.	Giant structure	CI-	-ate	ena Usual or ma	ompound name ds in -ate, it lly contains three ore elements one which is always oxygen.	For example: Calcium + carbon + oxygen → calcium carbonate	



Year 9 – Science – Chemistry Topic 5-7 - Chemical Bonding

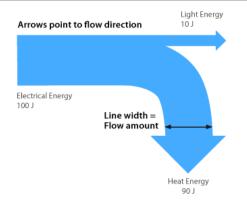
	ACADEMY															
					<u>г</u>	Covale	ent bonding									
	S	imple mol	ecular comp	ounds				Giant covalent st	ructu	res						
	Low meltin	-		nounts of energy to overcome the			Diamond			0	Fraphen	ne and fullere	nes			
	boiling p		intermo	plecular forces.	Each	Î	Very hard.	Rigid structure.				Excellent	Contains delocalised			
P	oor condu electric			ectrons to transfer energy.	carbon atom is		Very high melting point.	Strong covalent bonds.	Jene			conductor	· electrons.			
at	Size of toms and nolecules	atoms jo	mple molecular structures consist of oms joined by strong covalent bonds. s means that atoms are smaller than simple molecules.		bonded to four others		Does not conduct electricity.	No delocalised electrons.	Graphene	Single layer of graphite one atom thick		Very strong	Contains strong covalent bonds.			
			Dot	and cross :	Used for cu	tting tools due	e to being very ho	ard.								
		(H) N H) + Show which atom the electrons in the		Graphite							Hexagonal					
suc	H bonds cor - All electro			Each carbon atom is	carbon atom is bonded to three others	carbon atom is bonded to three	carbon	carbon		Slippery.	Layers can slide over each other.					rings of carbon atoms with hollow
rs of electrons		molecules e.g. ammonia H-N-H H Show which atoms are bonded together		w which atoms are			Very high melting point.	Strong covalent bonds.	Fullerenes			Buckminsterfull erene, C ₆₀ First fullerene to be discovered.	shapes. Can also have rings of five			
Atoms share pairs			3D ball a + Attemp	rrectly at 90° nd stick model: ots to show the H-C- angle is 109.5°	layers of hexagonal rings with		Does conduct	Delocalised electrons					(pentagonal) or seven (heptagonal) carbon atoms.			
Ato	Can be gi covalen structur	nt +		Simple polymers consist of large chains of	covalent bonds between the layers		electricity.	between layers.	gi gi	amond, raphite,	Very h meltii	ngn nee	ts of energy ded to break			
	e.g. polym	ners		hydrocarbons.	Used for ele	ectrodes as is i	inert.			silicon lioxide	poin		ng, covalent 19 bonds.			



Year 9 Science – Physics – Topic 1 – Conservation of Energy

Energy Type	Example
Light Energy	Sun, light bulb, torch
Thermal Energy (heat)	Oven, electric fire
Sound Energy	Radio, speakers, TV
Electrical Energy	Electric car, laptop
Nuclear Energy	Nuclear power station, nuclear bomb
Chemical Energy	Food, batteries, coal
Gravitational Potential Energy	Book on a shelf, boulder on a cliff
Elastic Potential Energy	Bow, wind-up toy, stretch spring
Kinetic Energy (movement)	Person running, rolling ball

heating	Put more jumpers on and turn off central heating
Hot water	Take showers, only boil the amount of water you need
Electrical appliances	Turn off devices that are on standby
Washing clothes	Air dry clothes, wash on a lower temperature
Heat lost from home	Install insulation – double glazing, loft/floor insulation

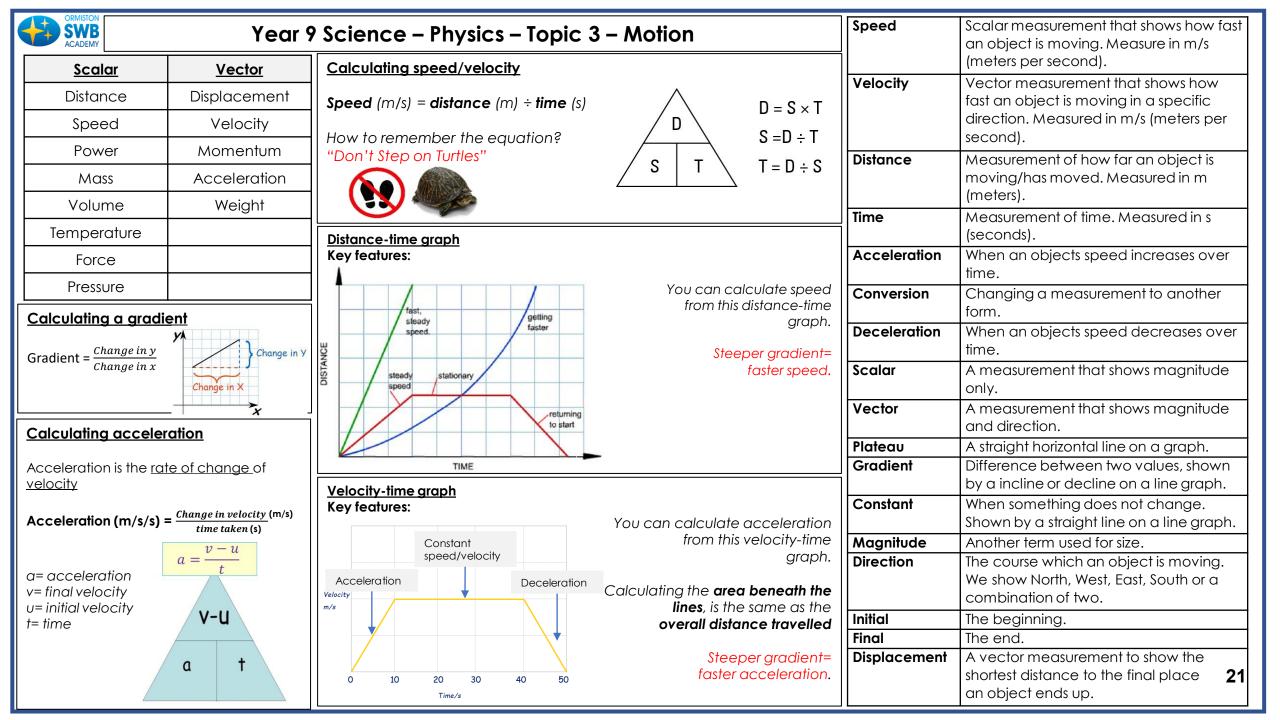


Energy Efficiency = <u>Useful energy</u> total energy input

Renewable Energy	Quickly replenishes its energy used. Infinite	Wind power, solar power, hydroelectric power, tidal power, geothermal power, biomass
Non-renewable Energy	Is finite (will run out). Does not quickly replace energy used	Fossil fuels – coal, oil and natural gas Nuclear power

Energy Source	Advantages	Disadvantages
Fossil Fuels	Cheap to set up, power stations already present	Limited (will run out), causes pollution – greenhouse gases and gases that make acid rain, running costs
Nuclear power	Does not produce carbon dioxide or sulphur dioxide	Finite (will run out) danger from radioactive material
Wind power	Infinite, cheap to run, no pollution, cheap to run	Costly to build, only works when windy, noisy and ugly
Tidal power	Good for islands, potential to generate lots of energy, reliable – tide will always go in and out, doesn't release pollution	Costs a lot to build, hard to find suitable locations, could damage environment
Solar power	Infinite, building can have their own power supply, doesn't release pollution, cheap to run	Expensive to set up, only works when sunny
Geothermal power	Doesn't create any pollution, potentially infinite	Expensive to set up, only works in volcanic areas, volcanic activity may stop making station useless
Hydroelectric power	Doesn't create pollution, creates water reserves	Costly to build, can cause flooding, can have major ecological impacts
Biomass	Cheap, if replaced can be sustainable	Burning releases atmospheric pollution, replanting required

Keyword	Definition		
Chemical	Energy store that is emptied during chemical reactions when energy is transferred		
	to the surroundings.		
Conduction	The transfer of heat by passing on energy (or electrical charge) to nearby		
	particles.		
Convection	The process by which heat travels through fluids (gases and liquids).		
Elastic potential	An energy store that is filled when a material is stretched or compressed.		
Electrical	Energy store resulting from the movement of electrical charge (electrons).		
Energy	This is the ability to make something happen when it is transferred.		
Gravitational potential	Energy store that is filled when an object is raised.		
Joule	Unit of energy, represented by the symbol J.		
Kinetic	An energy store filled when a moving object speeds up.		
Light	A form of radiation that can transfer energy in a wave.		
Non-renewable	An energy resource that will be used up, and not replenished in our lifetime.		
Nuclear	An energy store associated with nuclear interactions.		
Radiation	Radiation is the transfer of internal energy in the form of electromagnetic waves.		
	This radiation lies in the infrared region of the electromagnetic spectrum. It does		
	not require particles to move, it can travel through a vacuum.		
Renewable	An energy resource that can be readily replenished in our lifetime.		
Sound	A form of energy transferred by sound waves.		
Thermal	An energy store that is filled when an object is heated.		
Transformation	Energy transformation is the process of changing one form of energy to another.		





YEAR 9 Art - COLOUR INVESTIGATION KO Expert modelling

This half term focus – Endangered animals, colour theory, pattern– using a range of media and techniques

Key Knowledge 1 – AO1: Developing ideas.

- Looking at artist's designers and craftspeople to help inspire and develop your own work.
- Showing that you can analyse art using technical vocabulary and that you understand the cultural context to the art.
- How do I present my work for assessment?

All work will be presented with care, accuracy and neatness.

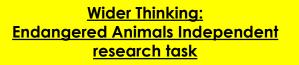
(See high grade modelled example.)

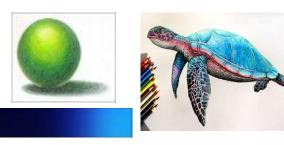
Key Knowledge 2: AO2: Experiment and refine ideas.

- Using lots of different materials and media that relate to your theme.
- Experiment to find out what works and what doesn't.
- Use feedback effectively to Improve your work as it progresses.

Key Knowledge 3: Record observations.

- Colour pencil drawing
- Watercolour painting
- Oil Pastel drawing
- Mixed media artist copy





example:

Pencil crayon observation



Artist reference image

Stretch and Challenge:

Use materials and techniques with a high level of skill and control. Record finer surface textures and details.

ſ	Keyword	Definition		
	Observational drawing	Drawing from looking at objects or photographs.		
	Colour	Colour has the strongest effect on our emotions. It is the element we use to create the mood or atmosphere of an artwork.		
	Directional	Shading that follows the contours of the form to create a 3D effect.		
	Describe	Give a clear description that includes all the main features – think of it as 'painting a picture with words'.		
	Gradient	Is a visual technique of gradually transitioning from one shade to another, or one texture to another.		
	Analyse	Finding out what the main features suggest and deciding why the artist used such features to convey specific ideas.		
	Investigate	Test the qualities of materials, techniques or processes through practical work.		
	Skilful	Apply materials, techniques and processes with a high level of understanding, ability and control.		
	Refine	Improve work taking into account feedback and aims.		
	Formal Elements: Shape, texture, tone, form, colour.	Key words that can be applied and used to describe 2D and 3D 22 art and design.		





STANSTON Year 9 - Computing -	HTML: Web Design	Keywords	Definition
The Internet $rac{Pour SP}{r} \rightarrow \ rac{Pour SP}{r} \rightarrow \ rac{Pour SP}{r}$	 Possible Careers: Web designer Data Analyst Programmer 	Tag/s	are the hidden keywords within a web page that define how your web browser must be formatted and displayed e.g. <title></td></tr><tr><td>The Internet also known as WWW which stands
for World Wide Web is a network of online
content formatted in a code called HTML. These
are interlinked HTML pages that can be
accessed over the Internet.</td><td> (1)When connecting a computer to a website, the user needs to have an internet service provider which is also known as an ISP. (2) The ISPs are responsible for </td><td>Html</td><td>Stands for Hypertext Markup
Language is the standard
markup language for
documents designed to be
displayed in a web browser</td></tr><tr><td>It provides space for a wide range of information like documents, content and videos</td><td>making sure you can access the
Internet, routing Internet traffic,
resolving domain names, and
maintaining the network
infrastructure.</td><td>Http</td><td>transfers web pages from
web servers to the client. All
web page addresses start
with http</td></tr><tr><td></td><td>(3) The website host server stores
the webpages for individuals and
organisations. Websites
are hosted, or stored, on special</td><td>Code</td><td>Is the set of instructions
forming a computer
program which is executed
by a computer</td></tr><tr><td>Hyperlinks e</td><td>computers called servers</td><td>CSS</td><td>Cascading style sheets are
used to format the layout of
Web pages</td></tr><tr><td>A hyperlink, or simply a link, is a link from a document to another document or part of the document that the user can follow by clicking or tapping on.</td><td></td><td>Webpage</td><td>are HTML documents that
present images, sound and
text accessed through a
web browser 24</td></tr></tbody></table></title>

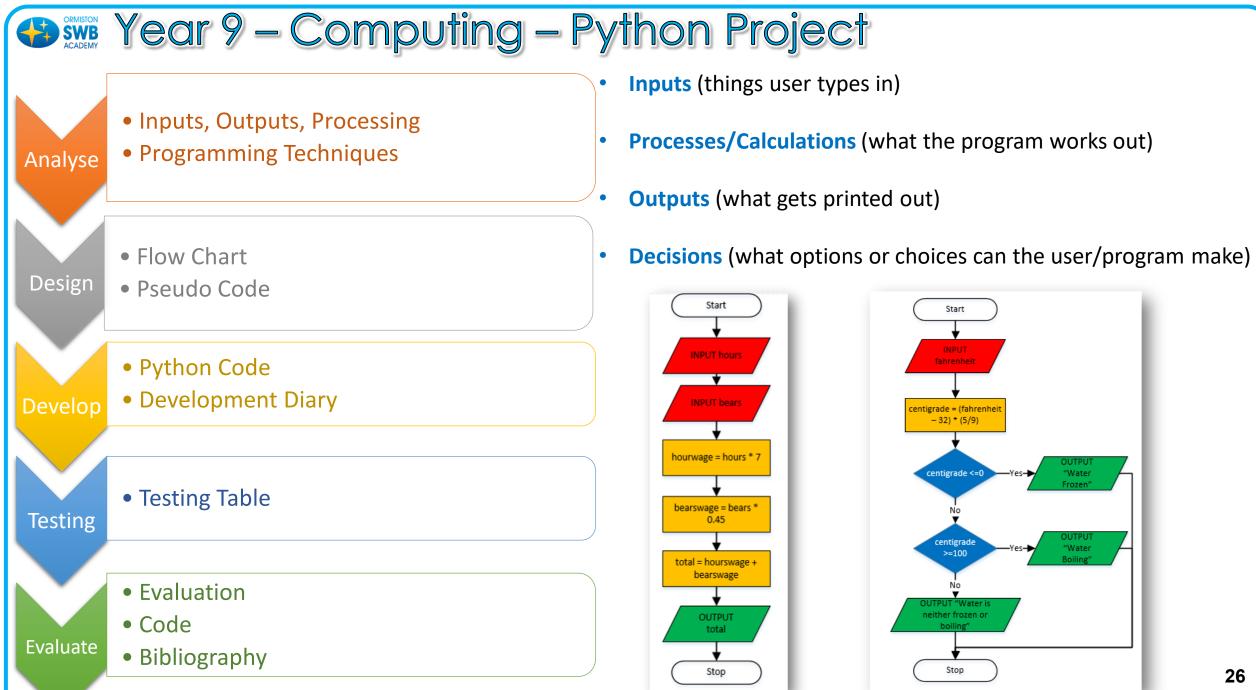
Year 9 – Computing – HTML: Web Design

<!DOCTYPE html>
<html>
<html>
<html>
<title>My First Webpage</title>
</head>
<body>
<h1>My First Heading</h1>
My first paragraph.
</body>
</html>



CSS Script	Definition – What does it do?
Colour	Font colour
Text-align	Horizontal alignment
Background – Colour	Changes background colour
Background – Image	Change background image
Background - Repeat	Changes the background to stay in place or move when scrolled

HTML TAG	Definition – What does it do?		
<html></html>	Root of a HTML document		
<boy></boy>	Content of the page		
<head></head>	Information about a page		
<title></td><td>Tab title/ defines title</td><td></td></tr><tr><td><h1>, <h2>, <h3></td><td>Headings</td><td></td></tr><tr><td></td><td>Paragraphs</td><td></td></tr><tr><td></td><td>Image</td><td></td></tr><tr><td><a></td><td>Anchor (used in hyperlinks with href)</td><td></td></tr><tr><td>/</td><td>Ordered/unordered list</td><td></td></tr><tr><td></td><td>List item</td><td></td></tr><tr><td></td><td>Creates and defines tables</td><td></td></tr><tr><td></td><td>Table row</td><td></td></tr><tr><td></td><td>Table data</td><td></td></tr><tr><td><div></td><td>Divider 2</td><td>25</td></tr></tbody></table></title>			



Year 9 – Computing – Python Project

Maintainable code: Code that is written in a way that can be easily maintained/edited be the author or other developers. Ways to do this are:

- Meaningful variable names
- Detailed code comments
- Well laid out code, grouped in sections
- Consistent use of indentation

Robust code: Code that is written in a way that makes it much harder for the user to crash/break the code. Ways to do this are:

- Clear user instructions
- Input validation
- User logins

Efficient code: This is where you try to make the code as efficient as possible using these guidelines:

- Code isn't repeated unnecessarily
- Make use of subroutines
- Use a range of programming techniques

Normal data - sensible, valid **data** that the program should accept and be able to process.

Boundary data - valid **data** that falls at the **boundary** of any possible **ranges**.

Erroneous data - invalid **data** that the program cannot process and should not accept.

Test tables are used to provide a structure to **testing**. Programmers will often create a **table** with a selection of normal, extreme and exceptional data that they intend to **use** during **testing**.

Test	What am I testing?	What data will I use?	Normal/ Boundary/ Erroneous?	Expected result	What happened?	Any changes ?
1	the user has to enter their name	"Adam"	Normal	it asks the user "username:"	It worked	no
2	randomly picks the film	-	Normal	Three random films appear	It only showed 2	Check random loop

Sim Year 9 – Computing – Python Project

 Variables Variables are for storing values in memory. A variable is declared (set up) and values are assigned. Variables are assigned a value using the = operator. It chooses the bets data type for the value. No spaces in names but can use under_score or camelCase. No numbers at start of variable names. 	myvariable = 28 x = 3 name = "Bob" my_wage = 3.5	Data Types <i>Real /Float</i> Number with decimal Point <i>Integer</i> Number without a decimal Point <i>String</i> A series of characters/TEXT	
Comments	favCol = "red"	A sing	<i>acter</i> de letter or symbol /Time
 Comments are for explaining lines of code or while sections. 	<pre>x = 3 #can comment at the side #or comment above house = "open"</pre>	Bool	and Time in any format ean o, true false value
 Print Print information to the screen. Can be text, numbers or values in variables. 	<pre>print("hello world") print(12)</pre>	Comparative Operators	
	print (name)	==	Equal to
Input		!=	Not equal to
 Allows user to type in data and store in a variable. User prompt requires the " ". 	<pre>variable = input("message")</pre>	>	Greater than
	<pre>name = input("please enter your name")</pre>	<	Less than
May need to convert data type.	<pre>age = int(input("please enter your age"))</pre>	>=	Greater than or equal to
		<=	Less than or equal to 28

Sime Year 9 – Computing – Python Project

If and elseif statement

- Allows SELECTION of different paths.
- Use of THEN & ENDIF.
- MUST include <u>indent</u> of 4 spaces or TAB
- ELSE is optional.
- Conditions are set using different <u>comparison</u> <u>operators.</u>

==	Equal to
!=	Not equal to
<	Less than
<=	Less than or equal to
>	Greater than
>=	Greater than or equal to

• Can use more than 1 condition using <u>Boolean</u> <u>operators</u>.

AND	Both conditions are True
OR	Either of the conditions is True
NOT	If condition not True

- Use of ELSEIF allows for further selection.
- Can have as many as wanted.
- ELSE still optional.

if password == "pa55word1":
 print("you may enter")

```
if score > 80:
    print ("grade A")
elif score > 70:
    print ("grade B")
elif score > 60:
    print ("grade C")
else:
    print ("redo")
```

if password != "password1" or tries < 3:
 print("you shall not pass")
else:
 print ("please enter")</pre>

Careers

- Software development
- Programing
- Software Engineering

Sequence: Completing steps in the order which they must happen

Selection: Where a choice is made in a program depending on a condition or outcome

Iteration: Act of repeating or lopping specific sections of code

Count controlled Iteration: Repeats a set number of times Condition controlled Iteration: Repeats until a condition is met or something in the program changes

Year 9 – Computing – Python Project

While Loop Will keep asking the user to type in a value.	<pre>#while loop password = input("enter password:") while password != "password1": password = input("try again")</pre>	•	Loops are a way for python to do blocks of code more than once
While True (Break) If the user types in a value that matches 7 the loop will break (end), if not they will be told to try again.	<pre>#while True with break while True: guess = input("guess the number") if guess == "7": break else: print ("try again")</pre>	•	Without having to keep copying the code Blocks of code being repeatedly run is called iteration
For Loop Start at 0 and stop at 7 (up to 7 but not including), print hello each time (7 times). For Loop (Break)	<pre>#for loop for i in range(0,7): print ("hello world")</pre>	•	Python offers two ways of looping – while loop
Start at 0 and stop at 4, If the user types in a value that matches mypassword the loop will break (end), if not they will be told to try again and have an attempt recorded.	<pre>#for with break for i in range(0, 4): if password == "password1": break else: password = input("enter password")</pre>		– for loop

Sim Year 9 - Computing - Python Project

Empty list of 0 spaces.		•	An array is like a variable that can
Arrays with values. Use the , to split up	<pre>#format mylist = []</pre>		hold more than 1 value at once
space.	<pre>group = ["Tim", "Jane", "Bob"]</pre>	•	Must all be the same data type
Can be different data types, strings need "	<pre>ages = [14,11,17,10.5,"Apple",True,False]</pre>		
".		•	Array can be as big as you want
Print whole array. Print 1 st value in array. Print 3 rd value in array.	<pre>#print print(group) print(group[0]) print(group[2]) print(group[0:2])</pre>	•	Sometimes called lists
Prints from 1 st value to 2 nd value.	P(jp)	•	Will need a name/identify
Update a value to position 3 in array.	<pre>#update value group[2] = "Mike"</pre>	•	The index, are the position number
Update a value to position 0(start) in	group[0] = "Destiny "		
array.		•	Always starts at 0
Add value to end of array.	<pre>#adding/remove/insert group.append("Fred")</pre>	•	The spaces are called the elements
Remove first instance of value from array.	group.remove("Jane")		CICILICILIS
Insert a value to a specific position in the	group.insert(2, "Miya")	•	These hold the values/items
array			



Year 9 Drama: Devising – Romeo and Juliet

How to approach a script using prior context: Ask yourself the following questions:	<u>Steps to a good devised</u> performance.	Body Language	Using posture or movement to communicate how your character is feeling.
 Who is my character? What is their age? Where are they right now? Who are they with? 	Collaborate as a group and discuss initial ideas and research		Working together as a group to creat something new
 Do you know what happened before this? If no, make an educated guess based on what is happening in the scene, 		Communication	Exchanging information through speaking, writing, or non-verbal communication.
		Concentration	Focussing on the set task.
 How to lift safely. Begin by deciding on who will lift 	Use the script to decide what the theme of the piece is going to be	Elizabethan England	The time in which Shakespeare begar writing plays when Queen Elizabeth 1 was on the throne.
 Start slowly and decide on the intention of the lift Make sure everyone is safe and happy in the lift 		Facial Expressions	Showing your emotion through your
			face.
 Ensure everyone is confident in what their role is before going faster. 	Decide which parts of the script		
Ensure everyone is confident in what their role is before going faster.	Decide which parts of the script you will use and which parts will be turned into physical theatre	Focus Gestures	Not laughing while you are on stage
 Ensure everyone is confident in what their role is before going faster. <u>Stage positions from the audience's perspective:</u> <u>Upstage Upstage Center Left</u> 	you will use and which parts will	2	Not laughing while you are on stage staying in character. Using your hands to show the audien- where to look through pointing, wavi
 Ensure everyone is confident in what their role is before going faster. Stage positions from the audience's perspective: Upstage Upstage Upstage Left Stage Right Stage Center Left 	you will use and which parts will	Gestures	Not laughing while you are on stage staying in character. Using your hands to show the audien where to look through pointing, wavi etc. A style of theatre which is dance like
 Ensure everyone is confident in what their role is before going faster. Stage positions from the audience's perspective: Upstage Upstage Center Left Stage Stage Stage 	you will use and which parts will be turned into physical theatre	Gestures Physical Theatre	Not laughing while you are on stage staying in character. Using your hands to show the audien where to look through pointing, wavi etc. A style of theatre which is dance like uses movement to convey an emotion Using a loud volume to make sure yo

Definition

Keyword



a. Key Words

Structure- How the sections of the music are put together.Ostinato- A short repeated rhythmic or melodic pattern.Ornamentation- Embellishing a melody.

Syncopation- Off beat.

Cross Rhythms- Two different rhythms at the same time.

Polyphonic Texture- More than two different rhythms at the same time. **Sambista-** Leader of a Samba ensemble.

Rubato- Fluctuations in the tempo.

Son Clave- A syncopated rhythm in Samba music that has a 2:3 or 3:2 version. **Call and Response-** A musical conversation where one instrument plays and another responds.

b. <u>Artists</u>

Bellini



Fundo de Quintal



Exaltasamba



Shakira has been influenced by Samba music

c. History of Samba Music

Samba is a musical genre and dance style with its roots in Africa via the West African slave trade and African religious traditions. Samba is an expression of Brazilian cultural expression and is a symbol of carnival.

d. Typical Instruments in Samba

The instruments of Samba have been influenced by Portuguese colonies who imported slaves from Africa.

SURDO REPINIQUE TAMBORIM CHOCOLO RECO-RECO APITO AGOGO BELLS

Year 9 Knowledge Organiser



e. Rhythm and Metre

Samba music is built around **OSTINATOS** usually 4 or 8 beats long (regular phrases). Each group of instruments can have their own ostinato featuring **OFFBEAT RHYTHMS** and **SYNCOPATION**. Often the **SON CLAVE SYNCOPATED** rhythm is used, either the **2:3** or **3:2**. Samba music is built up of lots of different sections. For each section, the **SAMBISTA** will need to know an **OSTINATO**.



f. Structure

Samba music often starts with an **INTRODUCTION** often featuring **CALL AND RESPONSE RHYTHMS** between the Samba Leader and ensemble. The main Ostinato rhythm of Samba is called the **GROOVE** when all the instruments of the Samba Band play their respective rhythms over-and-over again forming the main body of the piece. The **GROOVE** is broken up by **BREAKS** - 4 or 8 beat rhythms providing contrast and **MID SECTIONS** – one or two instruments change the rhythm of their ostinato and the others stay the same or stop. Sometimes **BREAKS** and **MID SECTIONS** feature a **SOLOIST** who "shows off" their rhythms. The **SAMBISTA** must signal to the group when to change to a different section which is normally done with an **APITO** (Samba Whistle – loud!). A piece of Samba can end with either a **CALL AND RESPONSE** pattern or a pre-rehearsed ending phrase of rhythm. The **FORM AND STRUCTURE** of a piece of Samba may look like the following:

Intro Groove Break 1 Groove Break	Groove Mid- Section 1	1 Groove Break	1 Groove End
-----------------------------------	--------------------------	----------------	--------------

g. Key Features

- Texture varies (monophonic, polyphonic, call and response, cross-rhythms).
- Dynamics are loud.
- Tempo is fast.
- Based on rhythms. Only the different timbres of percussion provide different pitches. No melody.

h. Questions

- 1. What is the role of the Sambista?
- 2. What are the two versions of the son clave?
- 3. What happens in the groove section?
- 4. Name an artist that has been influenced by Samba music?



Year 9 Knowledge Organiser

a. Key Words

<u>Genre</u> - A style or category of art, music, or literature.

Leitmotif - A recurrent theme that is associated with a character.

<u>Theme</u> - A recurring melody that the music is based on.

Soundtrack - The music from a film.

Composer - A person who writes music.

<u>Music Score -</u> The notated version of music.

<u>Cue Sheet -</u> A sheet given to the composer with very precise timings for how they must plan the music to fit the film exactly.

<u>Concords</u> - Music that creates a feeling of resolution.

Discords - Music that creates a feeling of unease.

<u>Storyboard -</u> A sequence of drawings, typically with some directions and dialogue, representing the shots planned for a film or television production.

c. History of Film Music

Early films had no soundtrack ("SILENT CINEMA") and music was provided live, usually IMPROVISED by a pianist or organist. The first SOUNDTRACKS appeared in the 1920's and used existing music (BORROWED MUSIC – music composed for other (non-film) purposes) from composers such as Wagner and Verdi's operas and ballets. In the 1930's and 1940's Hollywood hired composers to write huge Romantic-style soundtracks. JAZZ and EXPERIEMENTAL MUSIC was sometimes used in the 1960's and 1970's. Today, film music often blends POPULAR, ELECTRONIC and CLASSICAL music together in a flexible way that suits the needs of a particular film.



b. Film Composers



erry Goldsmith

James Horne





John Williams



Danny Elfman

Bernard Hermann



d. Key Features

- PITCH AND MELODY RISING MELODIES are often used for increasing tension, FALLING MELODIES for defeat. Westerns often feature a BIG THEME. Q&A PHRASES can represent good versus evil. The INTERVAL OF A FIFTH is often used to represent outer space with its sparse sound.
- DYNAMICS FORTE (LOUD) dynamics to represent power; PIANO (SOFT) dynamics to represent weakness/calm/resolve. CRESCENDOS used for increasing threat, triumph or proximity and DECRESCENDOS or DIMINUENDOS used for things going away into the distance. Horror Film soundtracks often use EXTREME DYNAMICS or SUDDEN DYNAMIC CHANGES to 'shock the listener'.
- HARMONY MAJOR happy; MINOR sad. CONSONANT HARMONY OR CHORDS for "good" and DISSONANT HARMONY OR CHARDS for "evil".
 SEVENTH CHORDS often used in Westerns soundtracks.
- **DURATION LONG** notes often used in Westerns to describe vast open spaces and in Sci-Fi soundtracks to depict outer space; **SHORT** notes often used to depict busy, chaotic or hectic scenes. **PEDAL NOTES** long held notes in the **BASS LINE** used to create tension and suspense.
- TEXTURE THIN/SPARE textures used for bleak or lonely scenes; THICK/FULL textures used for active scenes or battles.
- **ARTICULATION LEGATO** for flowing or happy scenes, **STACCATO** for 'frozen' or 'icy' wintery scenes. **ACCENTS (>)** for violence or shock.
- RHYTHM & METRE 2/4 or 4/4 for Marches (battles), 3/4 for Waltzes, 4/4 for "Big Themes" in Westerns. IRREGULAR TIME SIGNATURES used for tension. OSTINATO rhythms for repeated sounds, for example horses.

e. <u>Questions</u>

- 1. What is a cue sheet?
- 2. What was the music like in silent films?
- 3. What is a soundtrack?
- 4. When did soundtracks first appear in films?
- 5. How is duration of notes used in Sci-Fi films?
- 6. How are dynamics used in horror music?







Year 9 What is Design Technology?

Design and technology gives young people the skills and abilities to engage positively with the designed and made world and to harness the benefits of technology.

3d Drawing Techniques

3D drawings are used to present ideas so clients are able to understand features more clearly.

One-Point Perspective:

- Uses one vanishing point
- Used for Room interiors
- Front surface 2D and flat

Two-Point Perspective:

- Uses two vanishing points
- Connected by a horizontal line
- Used for developing ideas in 3D.

Oblique Projection:

- Horizontal going backwards drawn at 45 degrees
- Front surface is drawn in 2D
- Looks out of proportion
- Simpler process to isometric drawing

Isometric Projection:

- 30 degree angle is applied to its sides
- In proportion
- All vertical lines parallel to paper
- Drawing Board and isometric set square r

Design Specification: A list of points to state what the product must have to meet the needs:

Possible Sections: Material, Safety, Ergonomics, Environmental, Costing, Manufacture, Finishes, Age Range, Functions,

<u>Material Properties</u>

- DURABLE: able to withstand wear, pressure, or damage; hardwearing (Wood for a bench)
- STRENGTH: The ability of a material to stand up to forces being applied without it bending, breaking, shattering or deforming in any way (Metal when being shaped for a product)
- TOUGHNESS: A characteristic of a material that does not break or shatter when receiving a blow or under a sudden shock (Wood work bench)
- MALLEABILITY: The ability of a material to be reshaped in all directions without cracking (Metal when casted into a shape)

Design Brief: A Design Brief is a short paragraph explaining the situation you have been given and the problem you need to solve.

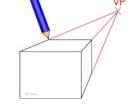
Purpose:

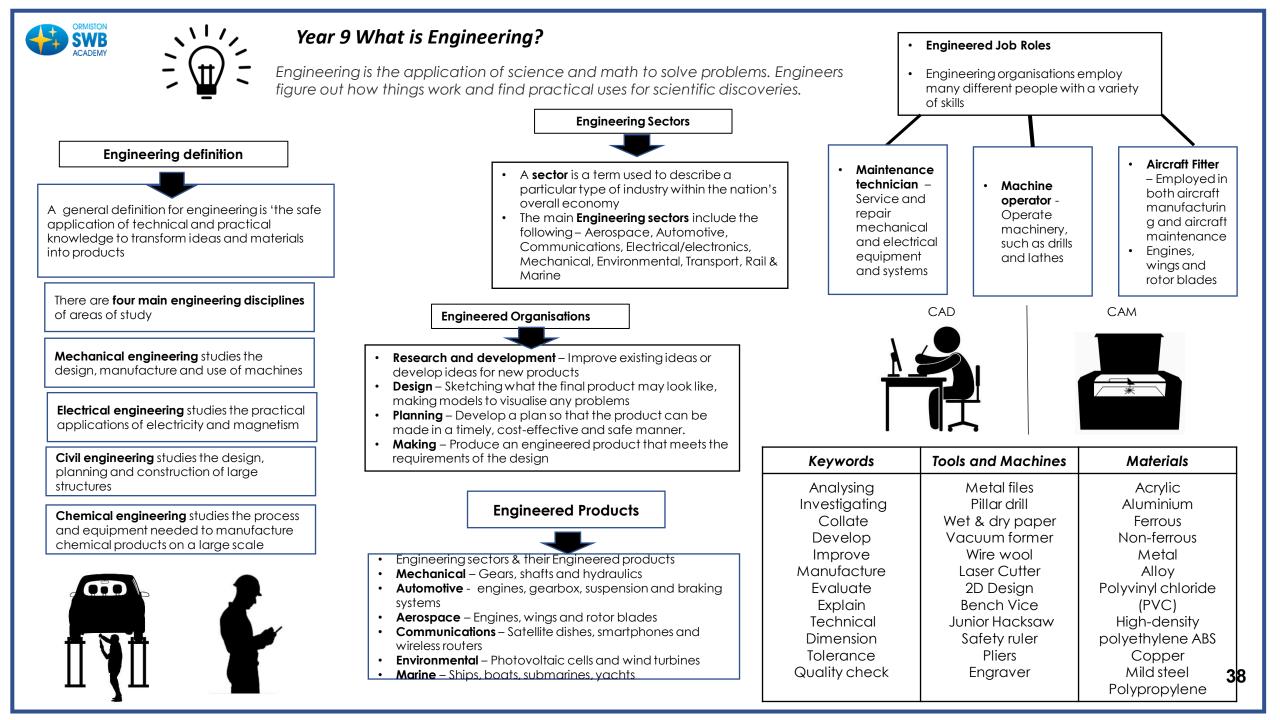
- Identify a Problem
- Identify the client
- How to go about solving the problem
- Solutions

Client Needs/Brief: What the client requires of a product, here are some examples:

- Function
- Disabilities
- Social
- Anthropometrics/Measurements
- Material/Finishes
- Health and Safety
- Costing

Keywords	Tools and Machines	Materials
Analysing Investigating Collate Develop Improve Manufacture Evaluate Explain	Metal files Pillar drill Wet & dry paper Vacuum former Wire wool Laser Cutter 2D Design Bench Vice	Acrylic Aluminium Ferrous Non-ferrous Metal Alloy Polyvinyl chloride (PVC)
Technical Dimension Tolerance Quality check	Junior Hacksaw Safety ruler Pliers Engraver	High-density polyethylene ABS Copper Mild steel Polypropylene 37





Stear 9 – Food Te	chnolog	У					
		phydrates, fats, dietary fibre, miner (needed in relatively large amour			pe categorised a		
Macron	utrients:			Micronutrients:			
Carbohydrates provides the body with ene simple. Complex carbohydrates give long l	asting energy. The	ese are found in foods such as	Vitamin	What we need it for	Examples of where we get it from		
bread, pasta and cereals. Simple carbohy quickly. This provides a short burst of energy cakes, jams and sweets.			A	Good vision, especially when it is dark			
Protein is needed for growth and to repair of that are high in essential amino acids are c are found in milk, cheese, fish, eggs, meat of the set of	alled high biologi and soya beans. F	cal value (HBV) proteins. These Proteins that are low in amino	B Group	Releasing energy from carbohydrates	Meat		
acids are called low biological value (LBV) pulses.			С	Fighting diseases and helping the body to absorb iron	õ 🍅 🌑		
Fats are used by the body for energy. Fat a keep us warm and protect our organs, such saturated and unsaturated. Foods such as r fats. Foods such as seeds, fish and vegetab	n as our kidneys. Tl neat, cheese and	here are two main types of fat, d butter are high in saturated	D	Along with calcium, it helps our body make strong bones and teeth	Oily		
eat less saturated fats.			Minerals	What we need it for	Examples of where we get it from		
Fibre helps food to move through our	Keywords	Definition	Iron	To make red blood cells to carry oxygen around	Green leafy veg		
bowels and prevent constipation . Foods such as vegetables, wholemeal bread	Constipation	Difficulty empting the bowels	Calcium	the body Along with vitamin D,			
and beans are high in fibre. Water is needed for lots of reasons,	Cholesterol	A type of fat found in our blood		calcium helps make strong bones and teeth			
keeping our body at the right temperature, digesting food, lubricating our bones and keeping us hydrated.	ImmuneA set of tissues which workSystemtogether to resist infection		Consequences of a po				
Water is found in drinks, fruits and vegetables.	Diabetes	A disease that occurs when your blood glucose (blood sugars), is too high.	 Eating too many carbohydrates, fatty foods or sugary foods can lead to ob which can increase the risk of type 2 diabetes and heart disease. Eating too many salty foods can cause high blood pressure. Too much saturated fat can lead to high cholesterol. 				

Eating too many salty foods can cause high blood pressure.
Too much saturated fat can lead to high cholesterol.

Food Technology			
Nutritional needs according to age – Everyone should aim to follow	Diet and Lifestyle – You may have to plan	Keyword	Definition
the healthy eating guidelines, but our nutritional needs change throughout each stage of our lives.	a meal for someone with a dietary requirement (intolerances, allergies,	Diet	The type of food we eat and drink
Children , grow quickly and are very active. They need protein to help them grow and repair the	ethical, religious beliefs and diet related health problems) all affect what people eat.	Growth Spurt	Growing quickly and suddenly in a short period of time
body. Carbohydrates are needed for energy to support their physical activity. Calcium and Vitamin D are needed for healthy teeth and bone		Rickets	A disease in children from a lack of vitamin D and calcium, causing bones to soften and bend, particularly in legs
development. Teenagers , should aim for a balanced diet. Rapid growth spurts happen around the early teens, girls	 Vegetarians avoid eating meat and fish for a variety of reasons, including: Dislike the taste and texture of meat Religious beliefs 	Osteoporosis	A medical condition in which the bones become brittle and fragile from a lack of calcium and vitamin D
usually start these earlier than boys. Protein is needed to cope with growth spurts, boys tend to need more due to muscular tissue development.	Family influences Vegans do not eat any foods from animal	Iron deficiency anaemia	A condition where a lack of iron in the body leads to a reduction in the number of red blood cells.
Girls need more iron and Vitamin C as they lose these nutrients through a period. Teenagers also need Calcium and Vitamin D, to support the	origin. This includes meat, fish, dairy and honey. To obtain a range of nutrients, vegetarians and vegans do eat:	Bone density	The amount of bone mineral in bone tissue
skeleton reach peak size and bone density.	 Wholemeal bread and flour Soya/ plant based products 	Obesity	The state of being grossly fat or overweight
Adulthood, at this stage growth and development stops. Men require more calories than women because they have more lean muscle and are generally taller and larger. Iron is important for adult women as they continue their periods. Calcium	Fruit and vegetables An allergy is a reaction to the immune system your body has to a particular food. The most common types are nuts and shellfish. Symptoms include a rash to	Diabetes	A disease in which the body's ability to produce or respond to the hormone insulin is impaired, resulting in abnormal metabolism of carbohydrates and elevated levels of glucose in the blood.
and Vitamin D to keep the skeleton strong as women tend to lode bone strength.	swelling of the throat and mouth and difficulty breathing.	Tooth Decay	Damage to a tooth caused by dental plaque turning sugars into acid.
Late Adulthood, as we age our muscle is replaced with fat, so eating high in fat foods must be avoided. Calcium and Vitamin D is needed to help stop bones from becoming weak and brittle. Vitamin B12 is needed to keep the brain healthy and prevent memory	Food intolerance occurs when a person has difficultly digesting a particular food. Common examples include lactose (cow milk) and gluten (wheat).	Constipation	Difficulty emptying the bowels
loss. Fibre is needed to prevent constipation as the digestive system begins to weaken and Vitamin A is needed to help maintain good eyesight.	ADUE TOA STELLERS STELLERS GLUTEN FREE	60	

Year 9 French – Topic 2 – Health and relationships

A. Tu t'entends b	ien avec ta famille ? Do you	get on well with your family?					
Normalement Normally	je m'entends bien avec I get on well with	mon père my dad mon beau-père my stepdad mon grand-père my grandad mon frère my brother	car il est because he is puisqu'il est	assez quite très very	amusant fun bavard chatty généreux generous patient patient	arrogant arrogant effrayant scary égoïste selfish méchant nasty	
Quelquefois	je m'entends mal avec	mon demi-frère my stepbrother mon oncle my uncle	as he is	trop too	tolérant tolerant	têtu stubborn	(
Sometimes Souvent	I get on badly with je me dispute avec	ma mère my mum ma belle-mère my stepmum ma grand-mère my grandma	car elle est because she is	un peu a bit	amusante fun bavarde chatty	arrogante arrogant effrayante scary	
Often	l argue with	ma sœur my sister ma demi-sœur my stepsister ma tante my aunt	puisqu'elle est as she is	vraiment really	généreuse generous patiente patient tolérante tolerant	égoïste selfish méchante nasty têtue stubborn	Ň



Quand j'étais plus jeune, je m'entendais bien avec When I was younger, I used to get on well with Je me suis toujours bien entendu[e] avec I've always got on well with J'aimerais m'entendre mieux avec I would like to get on better with

B. Qu'est-ce qu'il fau	ut faire pour être en b	onne santé ? What do you have to a	do to be healthy?	
	il faut you must	faire de l'exercice do exercise faire du sport do sport bien dormir sleep well	sinon on risque d'être if not you risk being	accro addicted malade ill obèse obese stressé strict
Pour être en bonne santé To be in good health	on doit we must	boire de l'eau drink water manger sainement eat healthily se reposer rest	car c'est	bon pour le corps good for the body bon pour le cœur good for the heart bon pour le mental good for the mind bon pour la santé good for your health
Pour rester en forme To stay in shape	il ne faut pas boire trop d'alcool	because it is parce que c'est because it is	dangereux dangerous illégal illegal inquiétant worrying mauvais pour la santé bad for your health nocif harmful une perte d'argent a waste of money une perte du temps a waste of time	



en général – in general en fait – in fact à vrai dire – to be honest évidemment – obviously franchement – frankly malheureusement – unfortunately il faut que je dise que – I have to say that autant que je sache – as far as I know je dois avouer que – I must admit that quel dommage! – what a shame! quelle barbe! – how rubbish! quelle horreur! – how awful!



41

		nch – Topic								JI	
Quand je serai vieux/vieille When I'm older Dans le futur In the future À l'avenir In the future	je vais être I am going be je vais devenir I am going become	agriculteur architecte avocat comptable électricien infirmier journaliste mécanicien	agricultrice architecte avocate comptable électricienne infirmière journaliste mécanicienne médecin pilote professeure vétérinaire	farmer architect lawyer accountant electrician nurse journalist mechanic doctor pilot teacher vet	je crois que I believe that je pense que I think that sans doute without doubt	ce sera it will be					
PROFS E	J'ai tou J'espèr	jours voulu être I have al e pouvoir devenir I hope	ways wanted to be to be able to become	e futur ? What would aller à l'université ta avoir des enfants to faire du bénévolat t habiter à New York/ to live in New York/ me marier to get ma me pacser to enter partir à l'aventure to go on an advent prendre une année to take a gap year voyager sac au dos to go backpacking	you like to do in th o go to university have children o do volunteering (en Californie California arried in a civil partnershi ure sabbatique	p car	ause e que	ce serait it would be	complètement completely totalement totally	exa incr inou	ertissant entertaining Itant exhilarating oyable incredible Ibliable unforgettable sionnant exciting
	F	PROFS	en général – in general en fait – in fact à vrai dire – to be hone évidemment – obvious	malheureuse est il faut que je	t – frankly ement – unfortunately dise que – I have to sa e sache – as far as I kn	y that	qı qı	dois avouer que – uel dommage! – wh uelle barbe! – how uelle horreur! – how	nat a shame! rubbish!		42



Year 9 – Geography – Extreme Weather

<u>Air Masses</u>

Air masses are huge bodies of air that can affect the weather conditions of a place.

There are different types of air masses:

Polar air masses come from the poles and bring cold air.

Tropical air masses come from the tropics and bring warm air.

Maritime air masses come from over the oceans and bring a wet weather.

Continental air masses come from over land and bring dry weather.

<u>Tornadoes</u>

A tornado is a vertical funnel of violently rotating (can reach 250mph) air that extends from a thunderstorm.

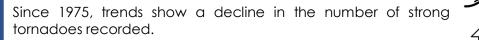
Tornadoes form where cold dry air and warm humid air collide.

Tornadoes are common in central USA (Tornado Alley) due to warm/cool air combining.

The UK has between 30 and 50 tornadoes each year – that's more tornadoes per land area than anywhere else in the world.

The Fujita Scale and the Enhanced Fujita Scale rate tornadoes by the damage caused. They are rated from F0 (not too bad) to F5 (very bad with lots of damage).

Tornados can result in a loss of life, property damage, habitats are destroyed, severe economic loss and flash flooding.



Global warming will lead to more conditions that tornadoes can be formed in.



Tropical Storms

Tropical cyclones are extreme low-pressure systems that form over warm water (26.5 degrees and above).

Tropical storms can also be known as typhoons, cyclones or hurricanes, their names depends on which part of the world they have formed in.

The middle of a tropical storm is called the eye and the area around this is called the eye wall.

Tropical storms cause storm surges, intense rainfall, high winds and coastal flooding. Very strong winds also destroy houses, buildings and uproot trees.

The Saffir-Simpson Hurricane Wind Scale is a 1 to 5 rating based only on a hurricane's maximum sustained wind speed. This scale does not take into account other potentially deadly hazards.

Individuals and governments in developed countries are able to respond more effectively then developing/emerging countries. Strategies to respond include early warning systems, satellites to monitor and track cyclone path and evacuation strategies.

	Keyword	Definition
	Air mass	A large body of air that has certain characteristics e.g. polar maritime.
> > •	Arid	A dry climate that consists of hardly any rain.
	Cyclone	A tropical storm that forms over the South Pacific and Indian Ocean.
	Economic	Relating to money.
,	Environmental	Relating to the land, air or sea.
-	Deforestation	Cutting down trees.
	Coriolis force	A 'spinning force' near the tropics that causes tropical cyclones to rotate.
	Drought	A period of prolonged unusually low rainfall.
<u>م</u>	Fujita scale	A scale that measures the strength of tornadoes from F0 to F5.
•	Habitat	An animals home.
-	Hurricane	Tropical storms that form over the North Atlantic, central North Pacific, and eastern North Pacific.
	Overgrazing	Too much grazing (animals eating grass) that causes damage to land.
	Social	Relating directly to people.
_	Tornado	A violently rotating column of air.
ß	Tropical storm	A rotating, low pressure storm system.
	Typhoon	Tropical storms that form over 43 the northwest Pacific.







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SWB Year 9 – Geography – Extreme Weather

Hurricane Harvev

Hurricane Harvey was a devastating Category 4 hurricane that impacted Texas and Louisiana in the USA in August 2017.

Nearly 780,000 Texans evacuated their homes and more than 42,000 Texans were housed in 692 temporary shelters.

The hurricane caused flooding and over 100 deaths.

More than \$571.8 million was used for temporary housing, basic repairs to make homes safe and habitable and for other essential needs.

Cvclone Idai

Cyclone Idai has been one of the worst tropical cyclones on record to affect Africa and the Southern Hemisphere.

The storm caused a humanitarian crisis in Mozambique, Zimbabwe and Malawi, leaving more than 1.500 people dead and many more missing.

The countries relied on charities such as Oxfam to help them respond to the storm.

Almost one year after the storm, more than 8.7 million people do not have enough food or water and over 100,000 people in Mozambiaue are still living in temporary shelters.













Forest fires are a natural and part necessarv of а forest ecosystem, healthy forests contain decaying organisms and fires return the nutrients to the soil. However, they are not always a good thing.

Forest fires can lead to loss of life, health issues and biodiversity loss.

Forest fires in Australia are known bushfires. as The country experiences fires every year, but due to climate change the season has grown by almost a month.

The 2009 Black Saturday bushfires were the worst in Australia's history, killing 173 people. Almost 80 communities and entire towns were left unrecognisable. The fires burned more than 2,000 properties and 61 businesses.

As Australia are a developed country and experience the fires frequently, they are well-organised and well-resourced to respond to bushfires.

People around the world also respond to the bushfires and want to help. Australia are sent knitted blankets and protective pouches for animals which have lost their homes in the crisis.



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Drought

Droughts are periods of time with belowaverage amounts of rainfall. Water supplies run low or run out during droughts.

Impacts include reduction in water supply levels, deaths, loss of crop yields, and strain on healthcare services. Impacts depend on level of development - subsistent farmers may face famine and death. Developed countries may suffer economic impacts due to reduce crop growth.

Sahel

Droughts in the Sahel are human caused. Over grazing and deforestation have caused this.

Impacts of the Sahel include the death of livestock and a lack of clean drinking water causing diseases such as cholera from contaminated water.

Attempted solutions are encouraging farmers to grow drought-resistant crops and improving knowledge and understanding of drought.

Europe

Solutions used to combat drought are more successful in developed countries due to technology and wealth.

During the summer of 2022, parts of Europe experienced drought conditions which were made worse by heat waves.

Droughts in Europe could become the norm by 2050 due to climate change.















SWB Year 9 – Geography – Global Conflict

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Water Conflict

Water is the most valuable resource on earth and access to water influences quality of life.

Although 71% of the Earth's surface is water, only 3% of this water is freshwater, and 0.4% of this is accessible to humans.

Many countries share a water source such as a river, this can cause conflict when it is not used fairly.

Ethiopia and Sudan have been experiencing conflict over water due to the construction of the Grand Ethiopian Renaissance Dam.

The dam will benefit Ethiopia's agricultural industry and help to relieve their energy shortage.

However, dams can alter the flow of water and Sudan are worried about their water supply – particularly as there is population growth and increased demand.

Energy Conflict

Energy resources are distributed globally, and many countries have access to multiple forms of resources.

Access to these energy resources is key to fulfilling basic social needs, increasing economic growth and fuelling human development.

Non-renewable energy resources are cheap and effective at producing a lot of energy – many emerging and developing countries rely on these for development.

This can lead to conflict between countries – such as the dispute in the South China Sea.

The South China Sea has huge amounts of gas and oil. Different countries have wanted claim to this territory, leading to high tensions.

	Keyword	Definition			
	Agriculture	Farming.			
	Aid	Help, typically of a practical nature.			
~	Border	A line that separates two countries.			
/	Economic	Something relating to money.			
0	Energy resources	Materials that can be used to produce a form of energy such as electricity.			
	Cultural	Relating to the ideas, customs and behaviours of a society.			
	Conflict	A disagreement.			
~	Economic	Something that relates to money.			
٦	Environmental	Something that relates to the land, air and sea.			
	Geopolitics	The relationships between countries being influenced by geographical factors.			
000	Military	Relating to the army.			
ŏ	Mitigation	The act of reducing the severity of something.			
בן	Multiple Hazard Zones	A location where two or more physical hazards can occur at any point.			
	Political	Relating to the government.			
	Risk	A situation involving danger.			
	Sectarian government	Sectarian democracies are multi-ethnic countries where the ethnic group with the greatest power has a democratic government that does not allow minorities to participate in the democratic process of that nation.			
A	Social	Something directly relating to people. 45			

Year 9 – Geography – Global Conflict

Living on a plate boundary

Countries such as Japan and the Philippines are 'multiple hazard zones' and often experience tectonic hazards.

This is because they are situated on plate boundaries (so they are at risk of earthquakes, tsunamis, and volcanic eruptions).

Both countries also experience typhoons.

There are different factors that can affect how severely these natural hazards affect a country – both Japan and the Philippines have mitigation techniques, such as evacuation drills.

However, if a country is wealthier, they often have more advanced technology to help them prepare. Japan are significantly better prepared than the Philippines.

<u>Cerro Negro</u>

Cerro Negro is one of the most active volcanoes in Nicaragua.

Many people may argue that living near a volcano is too dangerous, but the people here are provided with employment and economic gain because of the volcano.

The eruptions produce fertile soil which creates excellent agricultural opportunities in the area.

Volcano boarding is also an activity that many people pay to do. Visitors climb the volcano and then board down it.

There are many companies that charge to lead this and local people can increase their income by helping with such activities.



6



A superpower is a country with exceptional capacities that has global reach and power.

Different countries have different types of power, this includes political, military and natural resources.

Superpowers such as the USA, China and Russia have dominated global politics, economies and have substantial global influence.

China has already become the global powerhouse economically, and is

expected to surpass the US as the world's biggest economy by 2028.

This global influence can be shown through many different ways: international aid, language, manufactured products (e.g. Apple), social

media, food, and energy resources.

Keyword	Definition
Superpower	A country with exceptional capacities that has global reach and power.
Water Scarcity	When water supplies fall below 1000 cubic metres per person per year in a country or region.
Water Stress	A situation where there is not enough water to meet people's needs.
Water Surplus	A situation in which the usable water supply exceeds the demand.

Geopolitics

Borders are political boundaries and are not always physical barriers.



Many borders are 'disputed' such as the Indian-Pakistani border or borders within Africa.

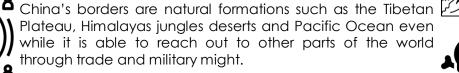


Some borders can lead to conflict and violence.

Donald Trump wants to build a wall along the US-Mexican border to stop immigration from Mexico into California. However, government policies have allowed for violence carried out by security forces.

The Middle East: The region's very name is based on a European view of the world, and it is a European view of the region that shaped it. The Europeans used ink to draw lines on maps: they were lines that did not exist in reality and created some of the most artificial borders the world has seen.





Political instability in Lebanon has had many impacts included deaths, protests, landfill sites closing and unemployment to increase.





46





Year 9 History – Immigration

Key Words

Why did people migrate after WWII?	European union	What is Multi cultural Dritain like today?		coming to live permanently in a foreign country
After World War Two, mass immigration of people coming to work began in earnest.	The European Union was set up	What is Multi-cultural Britain like today? •Britain, down to its deepest roots, has	Migration	the movement of either people or animals from one area to another.
The 1948 British Nationality Act said that all Commonwealth citizens could have	with the aim of ending wars between neighbours, which culminated in the Second World	always been a diverse nation. •Our diversity is a result of invasion,	Citizenship	the position or status of being a citizen of a particular country
British passports and work in the UK. This included: Poles EU nationals	War. The E.U is the economic and political union of currently 27 countries located predominately	 expansion, empire and Commonwealth, and being a safe haven for people fleeing danger. Our current population of over 60 million 	Refugees	a person who has been forced to leave their country in order to escape war, persecution, or natural disaster.
Commonwealth nationals Refugees	in Europe. The European Union influences	people includes a mix of people from different racial, religious and cultural	Prejudice	preconceived opinion that is not based on reason or actual experience.
Other groups The government encouraged people move to Britain due to severe labour shortages.	migration (free right of movement in and across any member state, right to work in any member state without discrimination because of	 backgrounds. 7.5 million of those people were born outside the UK. •For over 2000 years people have arrived in Britain, contributing their own cultural 	Diversity	The fact of many different types of things or people being included in something; a range of different things or people
Positive effects Negative effects	nationality) Wind rush scandal	influence.	Commonwealth	A group of countries previously part of the British Empire who share the Queen as their Head of State
on Britainon Britain•Culture/customs, •Economy•Prejudice and discrimination	The Windrush Voyage was a ship that carried people from	Food Chicken Tikka Masala	Discrimination	unjust or prejudicial treatment of different categories of people, especially on the grounds of race, age, sex, or disability
Public Services Pacism Population growth	the Caribbean that sailed from Jamaica in June 1948 carrying migrants to come	being one of music in wrestling is Britain's most the UK. It enjoyed in popular originated the UK but	Ethnic minority	a group within a community which has different national or cultural traditions from the main population
The 'Rivers of Blood' in Birmingham	and live and work in Britain. They were invited by the government, prospect of jobs, money, better quality of	from Asia. in Jamaica. came from Japan.	Culture	the way of life, especially the general customs and beliefs, of a particular group of people at a particular time
Enoch Powell was a former MP for Wolverhampton. In April 1968 he made a famous speech	life But, the failure of government to grant those on Empire	What impact did immigration have on Wolverhampton and the local area?	Inclusive	tries to include many different types of people and treat them all fairly and equally
in Birmingham called his 'Rivers of Blood Speech'. His speech strongly criticised mass immigration, especially Commonwealth	Windrush British citizenship as promised resulting in many being wrongly detained, denied legal rights,	 West Park primary have a majority intake of pupils from ethnic minority background, Eleanor Smith first black MP for the 	Society	a large group of people who live together in an organized way, making decisions about how to do things and sharing the work that needs to be done.
immigration to the United Kingdom and the proposed race relations bill.	threatened with deportation, and, in some cases, wrongly deported from the UK.	 iook at immigration and racism in football) 	Multicultural	including people who have many different customs and beliefs 47

	Year 9 –	History	– America	n Civil Righ	s Movemen	t					
ACADEMY										I	Key Words
1955 Emmett Till murder	1955 Rosa refuses to give up her seat	1957 Little Rock Nine	1961 Freedom rides	1963 March on Washington	1964 Civil Rights Act	1965 Malcolm X Killed	1965 Bloody Sunday	1965 Voting Rights Act	1968 MLK killed	Segregation Activists	the action or state of setting someone or something apart from others. a person who campaigns to bring about political or social change
· · ·	on Proclamat	ion		e American Ci Movement?	vil Rights	What w	vere the Ji	im Crow La	ws?	Assassination	to kill someone suddenly or secretively
President Abro issued the Em Proclamation		de	e American Civil rig ecades-long strugg cial discrimination	le by African Am	ericans to end	States in Ame laws to keep black popula	the races se	eparated and		Abolished	formally put an end to
• ·	ition declared ns held as slave	Ur "	hited States. ter the end of the ack people were s	American Civil Wo	ar in 1865,	The black popPublic tranPublic place	pulation wc sport waitin	is segregated ig rooms		Prejudice	preconceived opinion that is not based on reason or actual experience
	ellious states "ai	re, su	ppression. wever, African-An	nericans still faced	▲=᠘ d hostility and	cinemas, - • In education	theatres ar	nd libraries nildren could	be	Equality	the state of being equal, especially in status, rights, or opportunities
This meant the	at for the first tin nsportation to th n-Americans ree.	ne se	ersecution. This led gregation. The l	Black Panthers				te supremo	whites only	Supremacists	a person who believes that a particular group, especially one determined by race, religion, or sex, is superior and should therefore dominate society.
	Time 1	TI	ne Black Panthers v also followed Malc			Groups of pe superior and	did not war			Discrimination	the unjust or prejudicial treatment of different categories of people,
			uts with police offic clubs to children	ers, but also prov	ided breakfast	the Ku Klux Kl They campai African Amer	igned hate	and violence	eagainst	Legislation	laws, considered collectively.
Important	figures		advice to p	oor African-Amer	cans.	They used vic brandings, at	olence such	•	•	Civil Rights Act	The Act outlawed discrimination on the basis of race, colour, religion, sex, or national origin
Martin Luth	-	Malcoln	n X Rosa F	arks Emr	nitt Till		Little Roc	ck Nine	0P	Brown V Board	decision of the U.S. Supreme Court that U.S. state laws establishing racial segregation in public schools are
was a campai equality. Most I for his 'I have c	was a campaigner for equality. Most known did not rule		did not rule out Montgomery bus supressed with the	In September 1957 Nine black students tried to attend an all white school. The school Governor called in the National Guard to stop the black students' entering the school.			nal Guard chool.	Boycott	withdraw from commercial or social relations with as a punishment or protest		
speech and th youngest perso to win a Nobel prize.	e de on ever th	efence and ne phrase 'k neans nece	l used she refuse by any give up h	ed to wome er seat was sl	an. The nation nocked by events.	As a result, Pre federal troops the school.				Lynching	When a of a group of people kill (someone) for an alleged 48 offence without a legal trial

ORMISTON
) SWB
ACADEMY

Key Words

Judaism: A religion based on one G-d who revealed himself to Abraham.

Jew: A member of the Jewish community.

Monotheistic: Belief in one God. Covenant: A promise/ special agreement

Torah: Jewish holy scripture

Synagogue: A building in which Jews meet for religious worship or instruction.

Shabbat: The day of rest which occurs on a Saturday. It also known as the Sabbath.

Kosher: Food that is prepared to satisfy the requirements of Jewish

law. **Testimony:** A formal written or spoken statement.

Forgiveness: The action or process of forgiving or being forgiven.

Yom Kippur: The day of atonement where Jews ask Gfor forgiveness of their sins.

Abraham: The first male head of the Jewish tribe.

Omni- benevolent: God is all-loving.

Omnipresent: God is everywhere. Omnipotent: God is all-powerful. Omniscience: God is all-knowing. Orthodox Jew: A Jew who adheres faithfully to the principles and practices of traditional Judaism.

Reform Jew: A form of Judaism which has abandoned aspects of Orthodox Jewish worship and ritual in an attempt to adapt to modern changes in social, political, and cultural life. Rites of passage: A ceremony of the passage which occurs when an individual leaves one group to enter another. Kippah: A skull cap worn on the head.

Year 9 Term 2A – PRE – What does it mean to be a Jew?

		<u>Tear 7 Term ZA – FRE – What C</u>	ioes il medil lo pe a jew:
on based on one	How di	id the Jewish faith originate ?	How and why do Jews celebrate Shabbat?
ed himself to of the Jewish	Judaism is the world's oldest monotheistic religion, dating back nearly 4,000 years. Followers of Judaism believe in one G-d who revealed himself through ancient prophets.		Shabbat is also known as the Jewish Sabbath. Every week from Friday sunset until Saturday sunset, Jews celebrate Shabbat. During this time period, it is forbidden to do any work. Shabbat is a time of rest to remember G-d & his 6-day creation which includes a traditional Jewish meal.
lief in one God. mise/ special ly scripture. uilding in which	Jews believe there is only one G-d who has established a covenant—or special agreement—with them. He declared that they were his chosen people. G-d communicates to believers through prophets, and rewards good deeds while also punishing evil.		G-d commanded the Jewish People to observe the Sabbath and keep it holy as the fourth of the Ten Commandments. The idea of a day of rest comes from the Bible story of Creation: G-d rested from creating the universe on the seventh day of that first week, so Jews rest from work on the Sabbath.
ligious worship or y of rest which	According to scriptures, G- Moses at Mt. Sinai.	d revealed his laws, known as the Ten Commandments, to	Shabbat is part of the deal between G-d and the Jewish People, so celebrating it is a reminder of the Covenant and an occasion to rejoice in G-d's kept promises.
urday. It also bbath.	What are Jewish food laws?		
at is prepared to ements of Jewish	Jews have food laws which	n means that	Who is Abraham and why is he so significant to the Jewish faith?
mal written or nt.	all the food that they eat r kosher.	44	G-d first revealed himself to a Hebrew man named Abraham, who became known as the founder of Judaism.
action or ing or being	Seafood must have fins an shellfish.	d scales, No	Jews believe that G-d made a special covenant with Abraham and that he and his descendants were chosen people who would create a great nation.
day of re Jews ask G-d f their sins. st male head of	Only birds that do not eat of can be eaten, which mean allowed.		More than 1,000 years after Abraham, the prophet Moses led the Israelites out of Egypt after being enslaved for hundreds of years.
nt: God is all-	No pork is allowed.	toward and the second s	Abraham's sacrifice of Isaac.
od is everywhere. d is all- powerful. od is all-knowing.	Meat and dairy cannot be together		Abraham's faith was tested when the Lord asked him to sacrifice Isaac on an altar. Abraham had strong faith in G-d's earlier promise that he would have many descendants so he set out to prepare an altar and kill his only son. At the last moment, when Abraham displayed this willingness to unconditionally obey G-d, an angel stopped the sacrifice and replaced Isaac with a goat.
Jew who to the principles f traditional	Why is the Jewish holy book and building so important to Jews?		This was the ultimate test of faith and obedience to God. This introduced the trust in G-d and how G-d would reward those who were willing and faithful.
orm of Judaism doned aspects of	The synagogue	The Synagogue allows Jews to come together & worship.	
a worship and hpt to adapt to is in social, ltural life. : A ceremony of ich occurs when		Jews will also go to the Synagogue to study, celebrate different rites of passage and celebrate festivals. The synagogue is also a place for Jews to assemble as a community and is a place for social activities and gatherings.	Orthodox JewsReform JewsOrthodox Jews can be identified by their dress and family lifestyle. Orthodox men and women dress modestly by keeping most of their skin covered. Married women cover their hair, with either scarves or hats.Reform Judaism has no religious dress requirements. Style of dress involves cultural considerations distinct from religious requirements. Members of
ives one group to ap worn on the	s one group to The Torah The Torah The Torah makes up the first five books of the Jewish holy books. It contains the history of the Jewish people as well		Orthodox men are expected to wear a ritual fringe called Tzitzts and a head-covering. Many men grow beards, and wear black hats with a skullcap (Kippah) (Ki



Year 9 Term 2B – PRE – How has the Holocaust impacted Jewish identity?

ACADEMY Key Words Anti- Semitism: Acting upon prejudice or hatred towards Jews. Segregation: The action	April 1933- Anti-Semitism towards Jewish people started in the form of being banned from sports clubs December 1938- A law is passed confiscating all Jewish businesses April 1939- Jews can be thrown out of their homes at any time 1941-1945- Over 6 million Jews are murdered across Europe under Nazi Germany, this was approximately two thirds of Europe's Jewish population					
of setting someone apart from others. Holocaust: Destruction or	How did Anti-Semitism st	art to rise in the 1930s?	Why might Jews have started to question G-d in the Ghettos?			
slaughter on a mass scale. Shoah: The mass murder of Jews under the German Nazi regime	Jews were segregated from the rest or sports clubs, cinemas & swimming poor allowed to play with other Jewish child	ols. Jewish children were only	Jews believe G-d gave humans free will (the ability to choose their actions) so humans were to blame not G-d.	"If there is a G-d, he will have to beg for my forgiveness" was found carved into a camp wall suggesting some Jews lost faith in G-d.		
during 1941–5. Ghettos: A part of a city which is separate form the main city & often occupied by a minority	Jews were thrown out of their homes & had to carry around an identity card, supplies were limited & all possessions	their food was rationed, medical	A Rabbi once said the question 'where was G-d' is not what should be asked, the question 'where was mankind?' is the question that should be asked.	If G-d is omnipotent (all-powerful) & omnibenevolent (all loving/good) he could have/should have ensured it never happened or stopped it.		
group. Deportation: The action of deporting a foreigner from a country. Transportation: The action of transporting someone	Jews were transported to concentrati their identity. Their heads were shaver number & forced to work if they were they weren't.	, they were tattooed with a	Jews are G-d's chosen people. Jewish people had been chosen by G-d to worship only him G-d wo	G-d would not have allowed this to take place if G-d was truly just. The Holocaust was not at all morally right or fair.		
or something. Moral Dilemma: A situation in which a difficult choice has to be	Upwards of 80 per cent of those Jews transported to	The Nazis sent at least 1.3 million people to Auschwitz. About 1.1 million of these people died or were killed at Auschwitz				
made. Concentration Camp: Places of imprisonment where people were	Auschwitz-Birkenau were selected for immediate death.		How was Jewish Identity comprom			
forced to work, worked to death or were put to death. Auschwitz: A concentration camp in	Should all b		They would have been killed if they were even heard talking about their faith in anyway. Jewish people were dehumanised in the camps. Their hair was shaved off, a number was tattooed on them and all of their belongings were taken. This means that Jewish people were stripped of their identity in the camps and were not allowed to continue with their Jewish practices.			
Poland Testimony: A formal written or spoken statement. Forgiveness: The action or process of forgiving or being forgiven. Just: Morally right and	The Torah states 'Do not hate a brother in your heart Do not seek revenge or bear a grudge against anyone among your people, but	It could be argued that the perpetrators (people who carried out the harmful acts) were not brothers and do not deserve		to their time during the Holocaust?		
	love your neighbour as yourself' so many Jews believe forgiveness is vital to move forward.	forgiveness.	Many Holocaust survivors used their voices in order own experiences to make sure that the Holocaust remembered today.			
fair. Dehumanised: All human qualities are taken away from a person.	Eva Kor (Holocaust Survivor) said 'forgive your worst enemies & forgive everyone who has hurt you – it will heal your soul & set you free'	The Torah states "Don't be afraid, the Judge is your Father" suggesting that only G-d can judge whether or not someone's actions deserve forgiveness.	Solomon Perel is a Holocaust survivor who has beca born to a German-Jewish family and managed to to be an ethnic German. He has made several visit a boy who came under rule of Hitler and survived t	escape persecution by the Nazis by pretending 50 s to various schools to tell his story of being		



Physical Education Pathways (Year 9)

Leadership		
Pulse Raiser	An activity which raises heart rate	
Stretches	<u>Static</u> – Holding a stretch without moving <u>Dynamic</u> – Performing stretches whilst moving	
Mobility	Moving joints through full ranges of movement Dynamic – Changing speed and direction	
Skill Rehearsal	Practising skills used in the activity	
Cool Down		
Lower Pulse	Light jogging/walking	
Stretches	<u>Static</u> – Holding a stretch without moving	
 Volume – Be survive when leading, patient of the survive all other Be organised – Body Position – 	show you are ready! Be sure to positon yourself actions. e.g. out of view of	

Health & Fitness	Components of Fitness	
Reaction time	Power	The ability to apply high force to an object
Skill	Balance	To hold the body's centre of mass above the support
Power Related	Co-ordination Reaction Time	Time taken to react to a stimulus
	Coordination	The ability to use 2 or more body parts together
	Agility	The ability to change direction at speed
Balance	Agility Strength	The amount of force a muscle can exert
Aerobic Endurance	Muscular Strength Muscular Endurance	The ability to use muscles repeatedly without tiring
Health Related	Body Composition	The percentage of body fat, muscle and bone
	Speed Flexibility	The range of movement at a joint
	Speed	The ability to move quickly
Body Composition	Muscular Endurance	The ability to transport oxygen to allow for long periods of activity without tiring



Physical Education Pathways (Year 9)

Creative

Key Terminology		
Choreography Devices	A specific way of manipulating movement to develop a routine.	
Formation	Any dance in which a number of couples form a certain arrangement, such as two facing lines or a circle.	
Unison	Dancers moving at the same time doing the same movements.	
Cannon	A device where movements are repeated exactly by subsequent dancers in turn.	
Repetition	A device in which movements or motifs are repeated.	
Change of speed/, level or dynamic	Where movements are changed within a routine through changing the speed, level or execution.	
Inversion	Inverting the movement phrase would mean executing it as if 'looking in a mirror'.	
Cumulative Canon	Each dancer joins in with the lead dancer at various stages and all finish at the same time	
Retrograde	A device whereby movements or a motif are performed backwards (like a rewound video).	
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Key Terminology	
What is a Rule?	Rules define what is allowed or not allowed to occur during the game, e.g. a game is played to 21 in badminton.
What is a Regulation?	A regulation usually gets set by the sports governing body and usually refer to the equipment, court or length of the game.
Scoring System	How the sport is scored, e.g. Wolves 2 Cardiff 1.
Sport Officials	Any person who acts in a sports contest as an umpire, referee, judge and enforces the games rules and regulations.
Technical Skills	These are the skills and techniques required for the sport, e.g., Overhead clear in badminton or instep pass in football.
Tactical Skills	These are skills such as decision making, knowing when to defend and attack, choice and use of shots or strokes, variation, conditions, use of space.
Isolated practice	An isolated practice is where you focus on one technique/skill at a time unopposed before moving on to the next one.
Conditioned practice	This is small-sided games, with restrictions such as, a limited number of touches or a set number of defenders or attackers.
Competitive situation	This refers to full-sided games, with appropriate opposition, with match officials.