Year 9 – Term 1



Knowledge Organiser

Name:

Team:



Mathematics

Our students will:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Newsome Academy Service Exceptional Everyday Year 9 - Reasoning with algebra - Constructing in 2 and 3 dimensions

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Keyword	Definition	Sparx Maths	Î	Career Focus - Where could this take you?
Gradient	The steepness of a line.	Торіс	Video Numbers	As a data analyst I
Intercept	Where two lines cross. The y-intercept is where a line crosses the y-axis.	Graphs and Coordinates	M618, M230, M662, M311, M797, M932, M544, M888	collect, organise, and study data to provide business insights. I use
Linear	Linear graphs (straight line).	Real-life Graphs	M843, M771, M205, M751	my skills to uncover patterns, trends, and relationships
Aymptote	A straight line that a graph will never meet.	Motions-time Graphs	M551, M581, M247, M221	within the data, helping companies
Reciprocal	A pair of numbers that multiply to give 1.	Constructions and	M985, M196, M565, M232, M239, M253	make decisions.
Rearrange	Change the order.	Loci		
Solve	Find a numerical vaue that satisfies an	Area and Perimeter	M900, M920, M390, M635, M269, M690, M610, M996, M291, M705, M303	Challenge Activities
2D	equation. Two dimensions to the shape (length and	Nets of 3D Shapes	M518	
20	width).	Plans and Elevations	M229	Find the size of angle b.
3D	Three dimensions to the shape (length, width, and height).	(of 3D Shapes)		
Vertex	A point where two or more line segments	Surface Area	M884, M534, M661, M936	
Edge	Meet. A line on a boundary joing two vertices.	Volume	M765, M722, M697	b °
Luge	A line of a boundary joing two vertices.			
Face	A flat surface on a solid object.	Topic Links		
Cross-section	A view inside a solid shape made by cutting through it.	This topic links to:SubstitutionPerimeter, area, and	volume	25°
Bisector	A line that divides something into two equal parts.	Angles and perpendi		



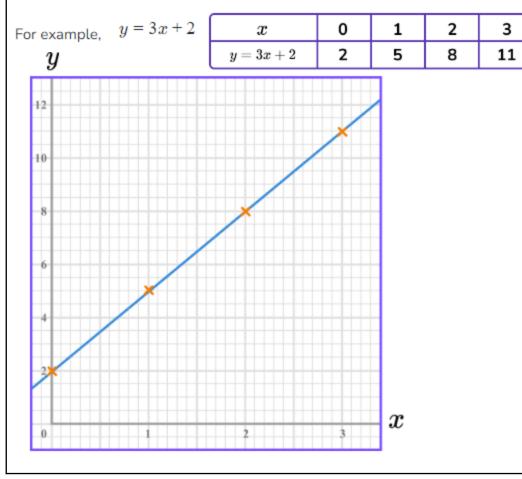
Key Concepts



Plotting graphs allows us to accurately plot coordinates onto a grid to produce the graph of a function.

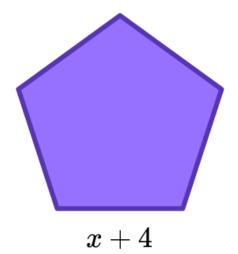
To do this we need to find x-coordinates and their y-coordinates.

These are plotted on x - y axes and the points are joined up.



We can take information from a question and use it to formulate algebraic expressions.

For example, here is a diagram of a regular pentagon.



We can form an expression for the perimeter of the pentagon.

Perimeter = 5(x+4)

If we give a value for the perimeter, we can work out the value of x.

For example, if the Perimeter = 50cm, We can set up the following -5(x + 4) = 50cm5x + 20 = 50cm5x = 30cmx = 6cm



The aims of the sequence of learning are to ensure that all students can:

- work with three dimensional shapes
- geometrically construct and understand congruency

Key Concepts

Surface area is the total area occupied by the surface of a 3D shape.

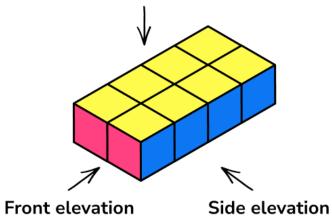
To find the surface area of a prism, cylinder or pyramid it is often helpful to draw the net of the 3D shape, calculate the area of each face, and then add them together.

To find the surface area of 3D shapes with curved surfaces such as spheres and cones (higher GCSE only), there are special formulas you should use

Surface area of a sphere = $4 \times \pi \times radius^2$

Curved surface area of a cone = $\pi \times radius \times length$

We can also draw 2D images of 3D shapes from different perspectives. These are Plan view called plans and elevations.



A **plan** is a drawing of what a 3D shape looks like from above looking down (like the bird's eye view). An **elevation** is a drawing of what a 3D shape looks like from the side or front.

Congruent shapes are shapes that are exactly the same.

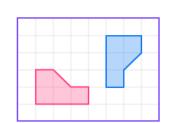
The corresponding sides are the same and the corresponding angles are the same.

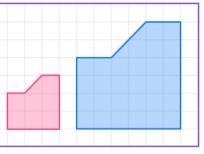
To do this we need to check all the angles and all the sides of the shapes. If two shapes are congruent they will fit exactly on top of one another.

E.g.

These two polygons are NOT congruent. They are similar.

These two polygons are congruent.





There are four conditions to be able to prove if a pair of triangles are congruent.

SSS	RHS	ASA	SAS
		$ \land \land \land $	

SSS (three sides the same),

RHS (right-angled triangle, hypotenuse and a side the same),

ASA or AAS (two angles and one side the same),

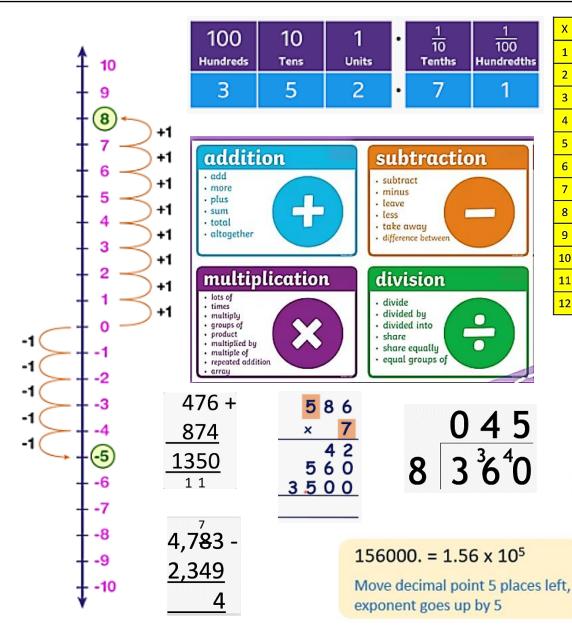
SAS (side-angle-side, two sides and the included angle the same







Maths Quick Reference: Number Skills

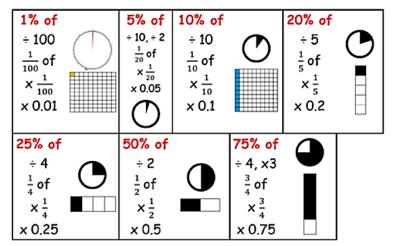


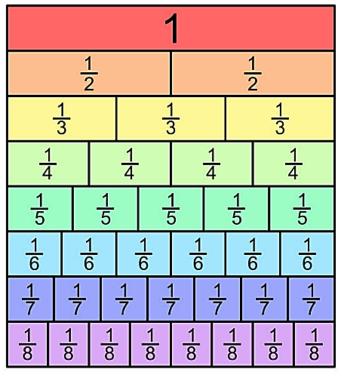
Х	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

B		DM	AS
() Brackets	<i>x</i> ^{<i>y</i>}	\div or \times	+ or –
	Indices der	Divide & Multiply	Add & Subtract

$0.0000053 = 5.3 \times 10^{-6}$

Move decimal point 6 places right, exponent goes down by 6





Maths Quick Reference: Geometry & Measures

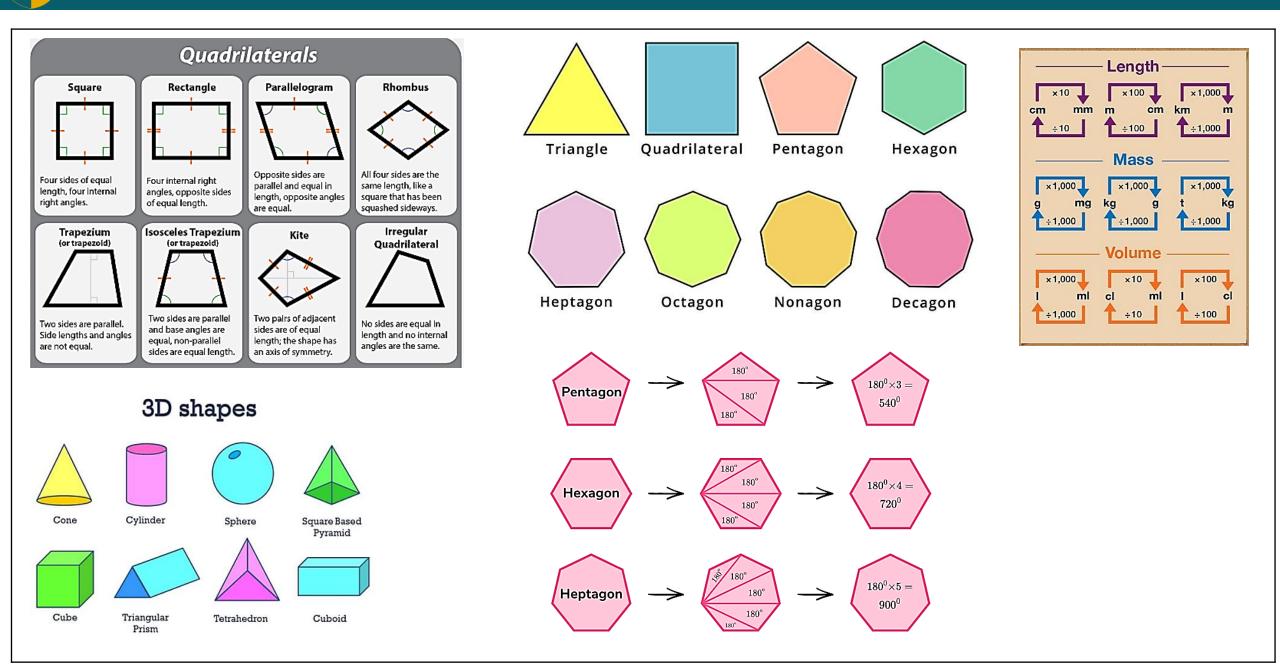
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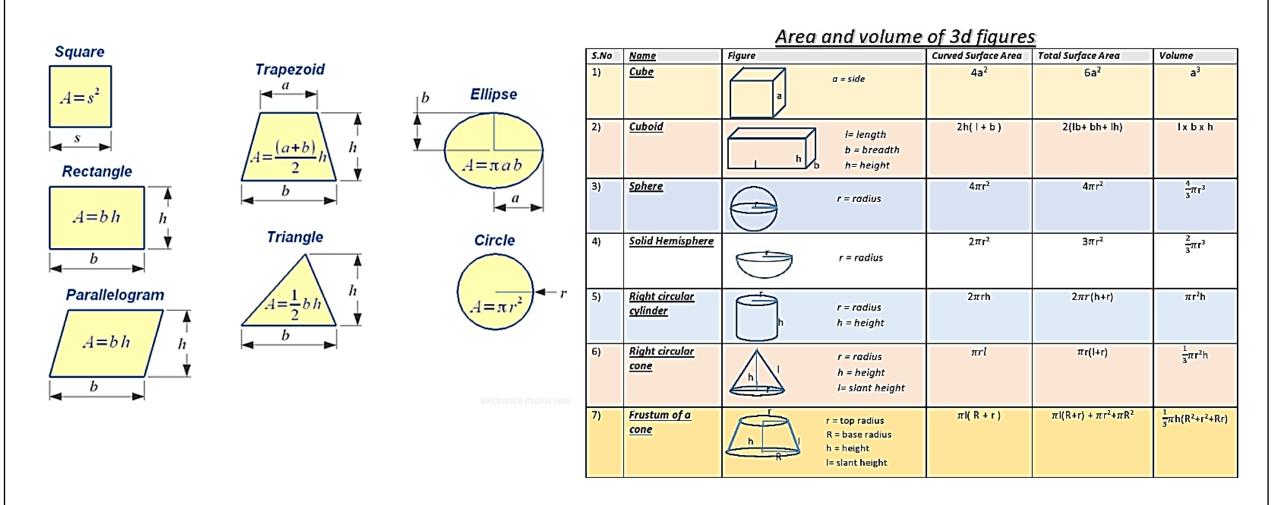
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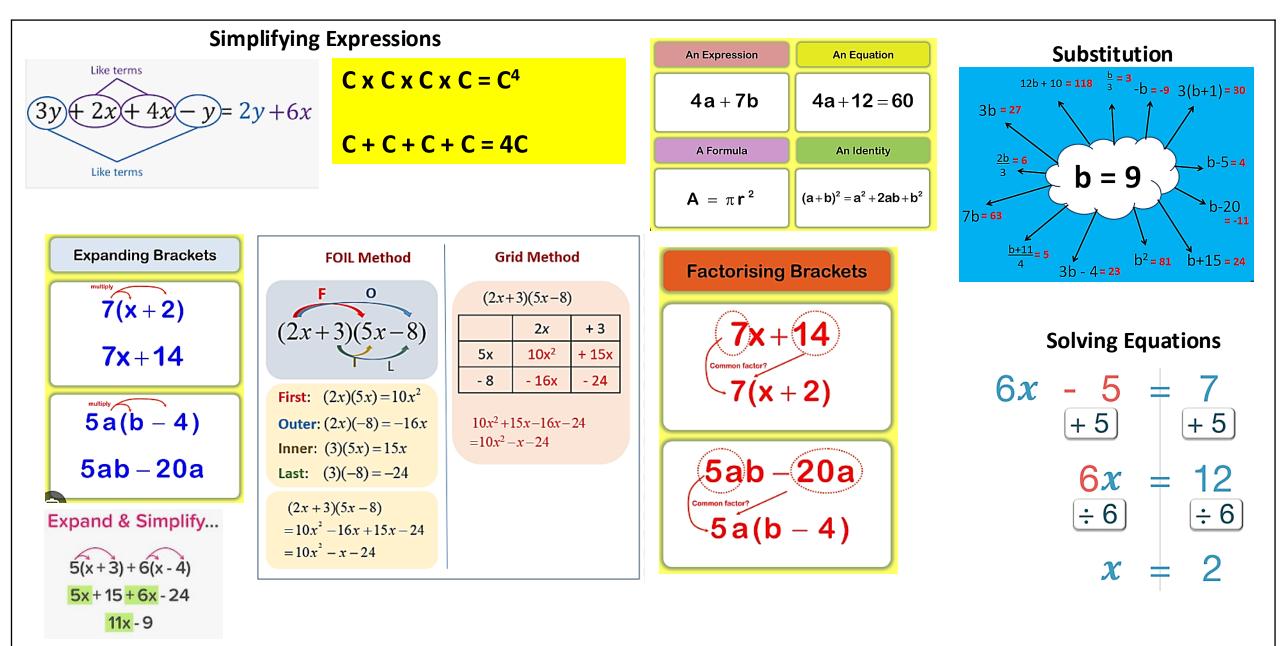






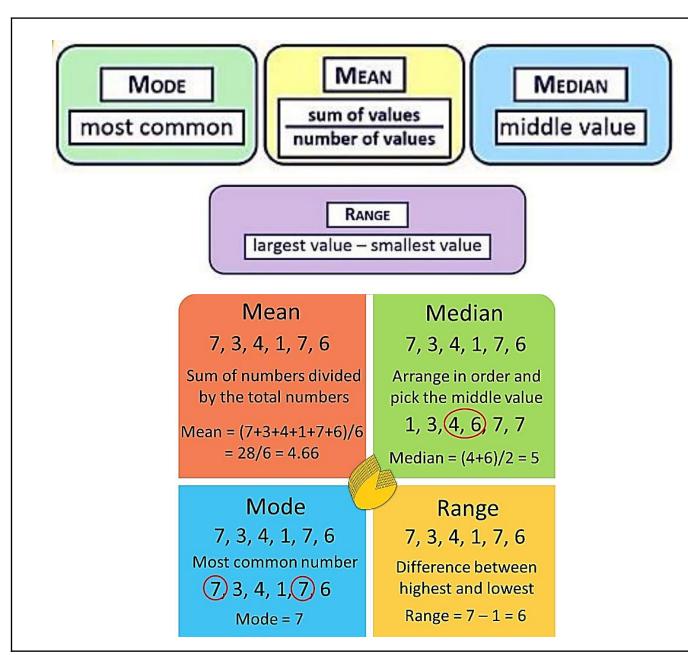


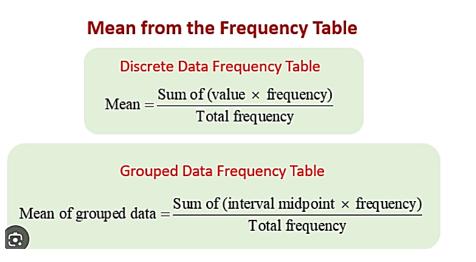
Maths Quick Reference: Algebra Skills





Maths Quick Reference: Statistics





Length (<i>x</i> cm)	Frequency	Midpoint	Midpoint × frequency				
$0 < x \le 10$	4	× 5	= 20				
$10 \le x \le 20$	10	× 15	= 150				
$20 < x \le 30$	7	× 25	= 175				
$30 < x \le 40$	4	× 35	= 140				
	25		485				
estimated mean = 485 ÷ 25 = 19 •4 cm							

estimated mean = 485 ÷ 25 = 19.4 cm



As percentages: 0%

20%

40%

50%

60%

								Sample Sp	ace Di	agrams	8			
	$\frac{\text{Simple Probability}}{\text{Probability}} = \frac{\text{Favorable outcomes}}{\text{Total outcomes}}$							+	·	•	Dia	:e 1		
		Example:		6 1				•	2	3	4	5	6	7
(R.	$P(red) = \frac{7}{12} \leqslant$		of <mark>red mar</mark> nber of ma		ple space)		。	3	4	5	6	7	8
	Number of blue marbles							<mark>ء 2</mark>	4	5	6	7	8	9
0	$P(blue) = \frac{5}{12}$ Total number of marbles (sample space)				ple space)		Dice 2	5	6	7	8	9	10	
		Very		Even		Very		°°	6	7	8	9	10	11
In words: As decimal	Impossible	unlikely	Unlikely	chances	Likely	likely	Certain	000	7	8	9	10	11	12
As declinar fractions: As fractions:	0	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{1}{2}$	$\frac{3}{5}$	$\frac{4}{5}$	1	<u>:</u>			Total	Score		

80%

100%





Our students will:

- read easily, fluently and with good understanding
- develop the habit of reading widely and often, for both pleasure and information
- acquire a wide vocabulary, an understanding of grammar and knowledge of linguistic conventions for reading, writing and spoken language
- > appreciate our rich and varied literary heritage
- > write clearly, accurately and coherently, adapting their language and style in and for a
- range of contexts, purposes and audiences
- use discussion in order to learn; they should be able to elaborate and explain clearly their understanding and ideas
- are competent in the arts of speaking and listening, making formal presentations, demonstrating to others and participating in debate.



Year 8 – Reading Analysis Scaffold

Writing about texts

Point = The idea you are starting.

text which proves your idea.

echnique = Identify a key word or phrase from your evidence.



The idea of is seen.....

because the text says '.....'

The technique *x* suggests...

Effect= Explain what this means and how it impacts the characters/reader in the text.

This makes the reader / audience think that...

Year 9 – Blood Brothers

The aims of the sequence of learning are to ensure that all students can:

- Identify and interpret ideas in a text.
- Explain and analyse how writer's use language and structure.
- Use quotes to support their views.

Knowledge

Plot summary:

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We see the final moments of Mickey and Edwards lives as the Narrator begins the tale • Mrs Johnstone, a struggling single mother of seven, finds out that she is pregnant with twins. Her employer, Mrs Lyons persuades Mrs Johnstone to give her one of the babies. • Mrs Lyons takes Edward and brings him up as her own, convincing her husband this is true. Mrs Johnstone goes back to work but fusses over Edward, leading to Mrs Lyons firing her.

• Aged seven, Mickey and Edward meet and become best friends, along with Mickey's neighbour Linda. The three get into trouble with the police when they begin to throw stones at windows.

• Scared of Edward becoming close to his biological family, Mrs Lyons convinces her husband to move the family to the countryside. Soon afterwards, the Johnstone's (and Linda's family) are rehoused by the council.

• As teenagers, Mickey and Edward meet again and they rekindle their friendship. Linda and the boys remain close throughout their teenage years before Edward goes to university.

• After marrying a pregnant Linda, Mickey loses his factory job. Unemployed, Mickey is involved in a crime with one of his brothers, Sammy, and both are sent to prison.

• Mickey becomes depressed and takes pills to help him cope, which he continues to take after being released.

• After Mickey comes out of prison and starts a new job, Edward and Linda start a light romance. Mickey finds out and is furious so he finds Sammy's gun and goes to find Edward at his workplace, the town hall.

• Mrs Johnstone follows Mickey and tells him in front of Edward that they are twins. The police also arrive.

• Mickey waves the gun around and it accidentally goes off, killing Edward. The police

Topic Links	Additional Resources
This topic links to:History- Britain in the 1980sGeography - Unfair Trade	To further practise and develop your knowledge see: <u>Blood Brothers - Plot summary - Plot summary -</u> <u>GCSE English Literature Revision - WJEC - BBC</u> <u>Bitesize</u> <u>Blood Brothers — willyrussell.com</u>



Challenge Activities

Task 1: Research into the following contextual areas. Can you make a poster for each one to show your understanding?

1960s 'Youth culture' was becoming more evident. Teenagers who enjoyed music, fashion and culture were making themselves heard more and they were often associated with freedom and potential. Teenager's started to believe they had the power to change the future and started to be more involved in protesting the issues they believed in.

Thatcherism

In 1979 Margaret Thatcher became Prime Minister. She made the decision that Britain's traditional industries should be shut down. This had a huge impact on working class communities where a huge amount of men were left unemployed and having to sign on to the dole. This led to an increase in depression and crime rates. One of Thatcher's central political beliefs was that success came to those who chose to work hard.

Career Focus - Fostering





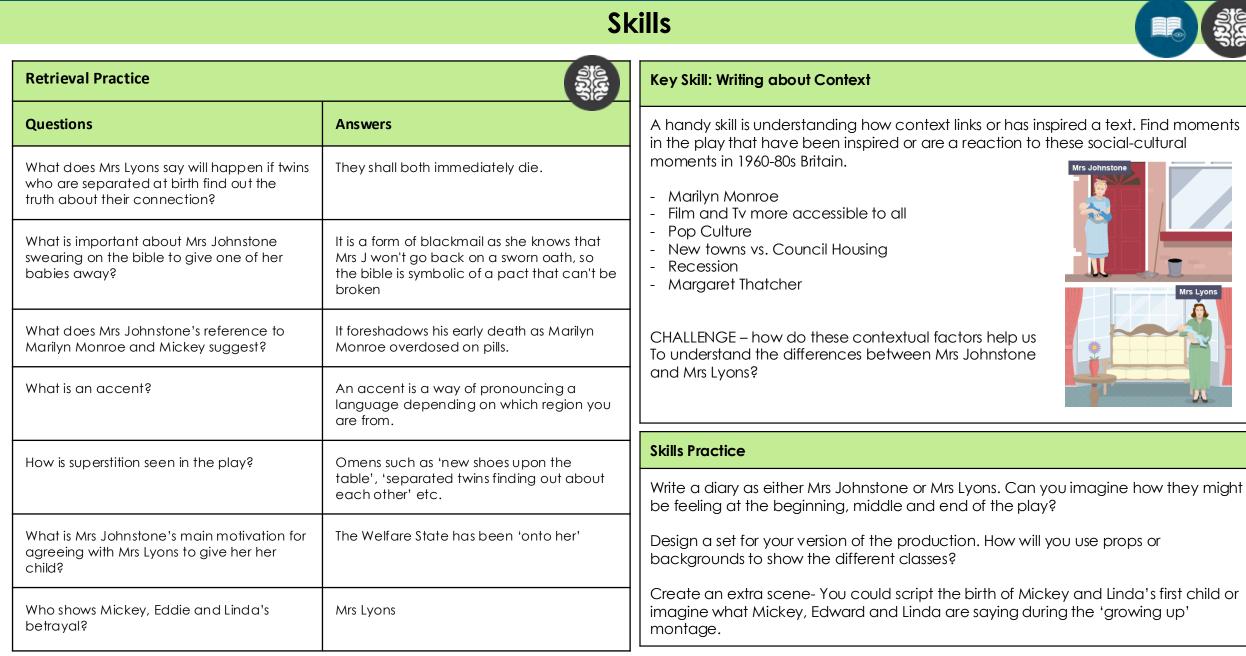
I am a Foster Care Worker. I care for and meet the emotional and social needs of a child in my care. I often help with schoolwork and promote a positive attitude to education. I keep my young people safe from harm and abuse. If you wanted this morally rewarding job then you would have to support the young people in your care and put their views forward. Year 9 – Blood Brothers

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The aims of the sequence of learning are to ensure that all students can:

- Identify and interpret explicit and implicit information and ideas.
- Explain and analyse how writer's use language to achieve effects and influence readers
- Use relevant subject techniques to support their views.





Year 9 – Blood Brothers

The aims of the sequence of learning are to ensure that all students can:

- Identify and interpret explicit and implicit information and ideas.
- Explain and analyse how writer's use language to achieve effects and influence readers
- Use relevant subject techniques to support their views.



Vocabulary - You will be tested on five words per week as part of your home learning.



Keyword	Definition	Keyword	Definition		
Abandon	cease to support or look after (someone); desert	Superior	higher in rank, status, or quality		
Adoption	the action or fact of legally taking another's child and bringing it up as one's own, or the fact of being adopted	Superstition	a widely held but irrational belief in supernatural influences, especially as leading to good		
Aspiration	a hope or ambition of achieving something		or bad luck		
Cynical	believing the worst of human nature and motives; having a sneering disbelief in e.g. selflessness of others, distrust	Social conscience	a sense of responsibility or concern for the problems and injustices of society		
Expectation	a strong belief that something will happen or be the case	Unrest	a state of dissatisfaction, disturbance, and agitation, typically involving public demonstrations or		
Inequality	difference in size, degree, circumstances, etc.; lack of equality	Working class	disorder the group of people in a society who do not own much property, who have low social status, and who do jobs which involve using physical skills rather than intellectual skills		
Inferior	lower in rank, status or quality				
Nature	the phenomena of the physical world collectively, including plants, animals, the landscape, and other				
	features and products of the earth, as opposed to humans or human creations	Upper Class	the social group that has the highest status in society, especially the aristocracy		
Nurture	care for and protect (someone or something) while they are growing	Union	a society or association formed by people with a common interest or purpose (in this case- fair pay		
Manipulative	exercising unscrupulous control or influence over a		and working conditions)		
	person or situation	Unemployment	a situation where a person actively searches		
Masculinity	qualities and attributes regarded as characteristic of men	Welfare	for employment but is unable to find work welfare, or commonly social welfare, is a type		
Politics	the activities associated with the governance of a country or area, especially the debate between parties having power		of government support intended to ensure that members of a society can meet basic human needs such as food and shelter.		



Year 9 – Boys Don't Cry

The aims of the sequence of learning are to ensure that all students can:

- Identify and explain their ideas
- Select quotes from different texts
- Explain, comment on and analyse how writers use language and structure

Knowledge

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Challenge Activities



Read the below key concepts and themes that we will explore in this novel.

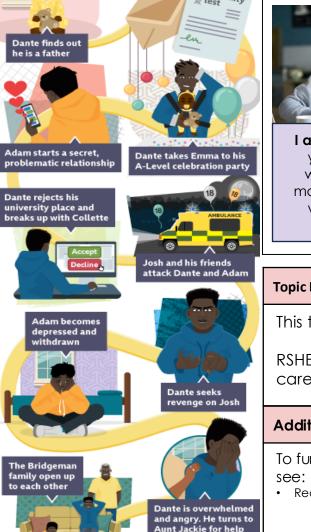
- Conduct research into an area that interests you.
- Track a key theme throughout the novel and create a timeline of your ideas.

Sexuality- there has been a notable increase in the acceptance of homosexuality in the UK in recent years and the LGBTQ movement now holds regular Gay Pride events across the country. Legislation during the latter part of the 20th and the early part of the 21st century made discrimination on the basis of sexuality illegal and in 2014 legislation was passed to allow same sex marriage.

Single parents- Unlike the early part of the 20th century, single parent families are far more commonly accepted in the 21st century. Making up nearly a guarter of families with dependent children in the UK. 90% of single parents are women Dante's fatherled single family is a modern representation of a family unit, and the unusual nature of it is reflected in the initial incredulity with which his friends meet Dante's decision to look after Emma on his own.

Race- In the 1970s and 1980s, black people in Britain were the victims of racist violence perpetrated by far-right groups such as the National Front. Racism in Britain in general, including against black people, is considered to have declined over time and laws banning discrimination on the basis of race has been enshrined in law since 1976

Family- Through the Bridgeman family, Blackman explores many aspects of the modern family; emotional issues such as loss of a parent, conflict over sexuality and the financial difficulties faced by sinale parents. However, despite the unconventional nature of the Bridgeman family, the concept of family is shown throughout to be important. At the start, Melanie's abandonment of Emma because she is unable to cope, highlights the importance of a strong family unit, and it is only through the support of his father and young brother that Dante is able to rise to the same challenge himself.



He struggles to accept

responsibility for Emma

Career Focus - Content Creator



I am a content creator. As a content creator, you can create and manage content for websites, social media platforms, or digital marketing campaigns. This job requires strong writing skills and an ability to engage and attract an audience.

Topic Links

This topic links to:

RSHE: contraception, teenage pregnancy, careers, sexuality

Additional Resources

To further practise and develop your knowledge

Reading support: https://www.myon.co.uk/login/



Skills

The aims of the sequence of learning are to ensure that all students can:

- Identify and interpret explicit and implicit information and ideas.
- Explain and analyse how writer's use language to achieve effects and influence readers
- Use relevant subject techniques to support their views.



Retrieval Practice		Key Skill: Reading Analysis				
Questions	Answers	A student, having read the book said: "This book has a lot of strong feelings of Dante and Adam in it. It's a very intense example of				
What are some of the main themes of 'Boys Don't Cry'?	Toxic masculinity, the welfare state, sexuality, race, single parent families, the nuclear family.	what happens to teenagers today." To what extent do you agree?				
What are Dante's hopes for the future at the beginning of the novel?	At the beginning of the novel Dante reflects the meritocratic ideal that everybody can succeed; he is black and from a single- parent family but gains excellent A Level results and a place at University. He hopes to study and have a career, but instead finds himself caring for his daughter.	Create a plan for the above question.				
What do we learn about Dante's home and his family?	Dante lives with his younger brother, Adam, and his father, Tyler. His mother passed away before	Skills Practice - Writing				
	the events of the novel. Tyler has high expectations of behaviour and achievement from his children and can appear callous, until later in the novel.	Task 1: Create an additional scene one year later with Melanie and Dante meeting in the street. Consider whether that would make a more satisfying ending for readers.				
What does Melanie represent in the novel?	Melanie represents many of the emotional and financial challenges faced by single mothers, particularly teenage mothers. Dante's attitude towards her abandonment of her daughter reflect society's strong condemnation of mothers who leave their children.	 Task 2a: draw and annotate their idea of Blackman's intended reader for the novel. Create a different profile of potential reader, for instance; elderly woman, teenage mother, male PE teacher, Labour MP, etc. Task 2b: Pick a persona and create a critique of the book in terms of key contextual issues raised. How would your persona respond to the way the issue is raised, and why? 				



Vocabulary: You will be tested on five words per week as part of your home learning.



Keyword	Definition	Keywor	
The Welfare State	A system whereby the state provides financial and community support to its citizens	Catalys	
Protagonist	The main character of a narrative	Dual no	
Toxic masculinity	A set of attitudes and ways of behaving stereotypically associated with or expected of men, regarded as having	Dialogu	
	a negative impact on men and society as a whole.	Perspec	
Analysis	To examine something methodically and in detail, typically in order to explain and interpret it	Inner m	
Stereotype	A widely held but fixed and oversimplified image or idea of a particular type of person or		
	thing	Irony	
Prejudice	A preconceived notion that is not based on reason or actual experience	bildung	
Empathy	The ability to understand and share the feelings of another	flashba	
Foreshadowing	To be a warning or indication of (a future event).	linear	

Keyword	Definition
Catalyst	In literature, a person or event that quickly causes change or action.
Dual narrative	a story that is told from two different perspectives.
Dialogue	a conversation between two or more people as a feature of a book, play, or film.
Perspective	a particular attitude towards or way of looking at something; a point of view.
Inner monologue	Usually described as the voice in your head. You might use an inner monologue to give yourself a pep talk or rehearse what you'd like to say.
Irony	using language that normally signifies the opposite for humour.
bildungsroman	a novel that covers a coming of age story.
flashback	Where a story might go back in time to recount events from the past.
linear	progressing from one stage to another in a single series of steps.





Our students will:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

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Newsome Academy Year 9 Organisation – Breathing & Health

The aims of the sequence of learning are to ensure that all students can:

- Explain how gas exchange occurs in humans and plants
- Describe the impact exercise, asthma and smoking have on our health

Keyword	Definition	Key Concepts					
Organ	A group of tissues carrying out a particular function.	The Lungs and Gas Exchange	Exercise, Asthma and Smoking				
Organ System	Organs working together as a system.	The human lungs provide an exchange surface adapted for: • absorbing oxygen – needed for respiration – into the blood	Regular exercise strengthens the intercostal muscles and diaphragm which make breathing more efficient.				
Organism	Organ systems all working together to form a living organism.	 from the air transferring carbon dioxide – produced by respiration – from the blood into the lungs then the air 	Asthma is a medical condition in which the lining of the airways from the mouth to the lungs become irritated and swell up. This reduces the air that can move in and out from the lungs. It is often treated by inhaling medication				
Breathing system	Network of organs and tissues that help you breathe including airways, lungs and blood vessels.	The lungs are organs enclosed within the chest or thorax . Air needs to be breathed in to be brought into contact with the exchange surfaces within the lungs. This process is called ventilation .	from an inhaler. Smoking damages the tiny hairs that line the gas exchange system; these hairs are called ciliated cells. These move mucus up that has trapped dust and pathogens out of the airways. This can result in smokers developing a				
Ventilation	The movement of air into and out of the lungs.		cough to remove this mucus. Smoking also irritates the bronchi which can lead to bronchitis. Smoking also breaks down the lining of the alveoli, which means less gas exchange can occur and can lead to chronic obstructive				
Gas exchange	The exchange of gases (oxygen and carbon dioxide) in the lungs or leaves.	Nasal cavity Trachea	pulmonary disease (COPD). Cigarette smoke also contains carcinogen chemicals like tar, which can cause mouth, throat and lung cancer.				
Alveoli	Tiny sacs in the lungs where gas exchange occurs.	Pleural cavity Bronchus	Plants and Gas Exchange				
Asthma	A medical condition where the airways become irritated and swell up.	Ribs	Plant leaves are adapted for photosynthesis , and the exchange of gases required for the process. The structure of the tissues is related to their				
Bronchitis	Bronchiole tubes become inflamed and leads to excess mucus and coughing.	Diaphragm Blood capilliaries	functions in the plant. When the plant is				
COPD	Chronic obstructive pulmonary disease. Damage caused to lungs that prevents gas exchange.	The exchange of gases occurs between the alveoli and blood in the capillaries that supply the lungs. Capillaries cover 70% of the outside of alveoli, providing a	photosynthesising during the day, these features allow carbon Palisade				
Carcinogen	A substance that can cause cancer.		dioxide to diffuse into the spongy mesophyll cells, and oxygen to				
Photosynthesis	A process that occurs in plants that turns carbon dioxide and water into glucose and oxygen.	large surface area for gases to diffuse across.	diffuse out of them. To enter the leaf, gases diffuse through				
Stomata	Tiny holes on the bottom of leaves that allow gases in and out. Can open and close.	alveoli at the end of each bronchiole	small pores called Guard cells with chloroplasts Guard cells with chloroplasts Guard cells with chloroplasts Guard cells with chloroplasts				

Newsome Academy Vear 9 Organisation – Breathing & Health

The aims of the sequence of learning are to ensure that all students can:

- Explain how gas exchange occurs in humans and plants
- Describe the impact exercise, asthma and smoking have on our health

Retrieval Practice

netheval i ractice	Size and the second
Questions	Answers
What is an organ?	A group of tissues that work together to perform a function.
What is an organ system?	A group of organs working together to perform a function.
Name the parts of the breathing system	Nasal cavity, Lungs, Trachea, Bronchus, Bronchioles, Alveoli, Diaphragm, Intercostal muscles, Rib cage
What controls ventilation?	The diaphragm and intercostal muscles.
How are the alveoli adapted for gas exchange?	Many alveoli = large surface area Thin walls (one cell thick) = short diffusion pathway Good blood supply (many capillaries) = a concentration gradient
What is diffusion?	The movement of substances from a high concentration to a low concentration. Down a concentration gradient.
How does exercise impact the breathing system?	This can strengthen the muscles of the breathing system (diaphragm and intercostal muscles) and make it more efficient.
How does smoking impact the breathing system?	Tobacco contains harmful substances that damage cilia (small hairs), the alveoli and bronchioles and can lead to serious diseases such as cancer and COPD.
How does asthma impact the breathing system?	Can cause constriction of muscles and swelling of airways making it difficult to breathe.
What gases are exchanged in leaves?	Carbon dioxide and oxygen.
Why do plants need to carry out gas exchange?	For photosynthesis: plants need carbon dioxide to make their food (glucose) and oxygen is a waste product they need to remove.
What controls the movement of gases in and out of leaves?	Stomata on the bottom of leaves open and close to allow gases to enter and leave the leaf.

38



Career Focus - Where could this take you?

I am a veterinary assistant. I work in a veterinary practice assisting in the care and treatment of animals. This can be a physically and emotionally demanding job where I have a variety of day-to-day tasks such as preparing animals for treatments, giving injections and medicines, taking x-rays, keeping the practice and equipment clean and assisting pet owners.

The skills I need for this job include knowledge of animal health, customer service, keeping calm in stressful situations and excellent communication skills.

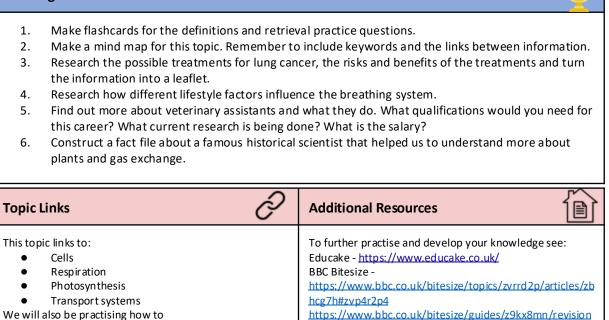
Challenge Activities

Topic Links

Cells

Calculate lung capacity

Write an evaluation to compare treatments



- Make flashcards for the definitions and retrieval practice questions. 1.
- Make a mind map for this topic. Remember to include keywords and the links between information. 2.
- Research the possible treatments for lung cancer, the risks and benefits of the treatments and turn 3. the information into a leaflet.
- Research how different lifestyle factors influence the breathing system. 4.
- Find out more about veterinary assistants and what they do. What qualifications would you need for 5. this career? What current research is being done? What is the salary?

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YouTube Cognito -

https://www.voutube.com/watch?v=B44n2SMLv-s

Construct a fact file about a famous historical scientist that helped us to understand more about 6. plants and gas exchange.



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Year 9 Pressure

The aims of the sequence of learning are to ensure that all students can:

- Calculate pressure
- Explain why pressure changes at different heights (atmosphere) and depths (ocean)

Keyword	Definition	Key Concepts				
Pressure	How much force is exerted on an object.	Pressure in solids	Pressure in Liquids			
Force	A push or pull that acts on an object due to interaction with another object.	Pressure is a measure of how concentrated (or spread out) a force is. The amount of pressure exerted on an object depends on the force	Just like gases, liquids exert pressure on objects due to collisions between the liquid particles and the object.			
Area	A measurement of a surface.	applied and the surface area it is spread over. We can calculate the amount of pressure on an object using a simple formula:	The amount of pressure exerted depends on both the density of the liquid and the depth of the liquid.			
Newton	A unit of force. How forces are measured. Symbol = N	Pressure = force ÷ area A rock resting on a soft surface, like sand or mud, will create an	The deeper you go: Spouting can • the greater the weight of liquid above the object Weakest jet			
Pascal	A unit of pressure. How pressure is measured. Symbol = Pa	indentation. The depth of this indentation depends on the pressure exerted on the ground. The larger the pressure the deeper the indentation it will create.	 object the greater the liquid pressure. 			
Fluid	Both liquids and gases are fluids. Their particles are free to move so they can flow or be poured.	The greater the weight of the rock, the higher the pressure it exerts on the ground. The smaller the surface area resting on the ground, the higher the	Pressure in Gases			
Particles	Tiny things that all matter are made from.	pressure it exerts on the ground.	The particles in a gas move quickly in random directions. Therefore, the particles regularly bump into each other and the walls of their container. These collisions exert pressure on the walls of the container and any objects surrounded by the gas. If the temperature of a gas is increased, the particles move faster, so they hit the walls of the container more often. This causes the pressure to increase. Decreasing the volume of the container also increases the pressure. This is because the rate at which the particles collide with the surfaces increases because there are more particles in a smaller space. Atmospheric pressure decreases as the height of a surface above ground level increases.			
Collision	When one object runs into another.					
Volume	The amount of space that a 3D object takes up.	ouch yes!				
Liquid pressure	The force exerted on an object when it is in a liquid.					
Gas pressure	The force exerted on the sides of a container by particles of gas.	Pressure can be measured in many different units, but scientists usually use units called pascals (Pa). Other units commonly used to measure pressure include newtons per				
Atmosphere	The layer of gases that surrounds the Earth. Made up mainly of nitrogen 78% and oxygen 21%.	square centimetre (N/cm ²),bars and pounds per square include newton's per Square centimetre (N/cm ²),bars and pounds per square inch (P.S.I.) One pascal is the pressure exerted when a force of one newton is spread over an area of 1 square metre, so one pascal (1 Pa) is the				
Atmospheric pressure	The weight of the atmosphere pushing down on the Earth.	same as one newton per square metre (1 N/m²) . Understanding the connection between force, pressure and area can help scientists and engineers design and make more effective	This is because, as the altitude increases: • the number of air molecules decreases • the weight of the air decreases • there is less air above a surface			
Altitude	How high something is compared to sea level.	machines and devices.				

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Retrieval Practice

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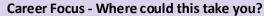
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Retrieval Practice	· · · · · · · · · · · · · · · · · · ·
Questions	Answers
What is pressure?	The amount of force exerted on an object.
How is pressure calculated?	Pressure = Force ÷ Area
What are the units for pressure?	Pascals (Pa) which is the same as 1 Newton per square metre (N/m 2)
Which objects exert the most pressure?	Objects with the greatest weight being exerted on the smallest area.
How can we decrease pressure?	Either by decreasing the weight of the object or increasing the surface area it is exerting its force on.
What causes pressure in liquids?	The pressure caused by liquid particles colliding with an object.
How does pressure change with depth in a liquid?	The pressure increases as the depth of a liquid increases.
Why does pressure increase as you increase the depth of a liquid?	The weight of the liquid above the object increases as you increase the depth.
What causes pressure in gases?	The pressure is caused by gas particles colliding with the sides of a container.
What increases pressure in gases?	Pressure increases when gas particles collide more often which can occur when temperature increases or volume decreases.
What is atmospheric pressure?	The pressure caused by the weight of the atmosphere pushing down on the Earth.
How does pressure change with altitude?	As altitude increases pressure decreases.
Why does pressure change with increasing altitude?	The number of air particles decreases and the weight of the atmosphere decreases.

Year 9 Pressure

36





I am a scuba diving instructor. My job is an awesome way for me to share my love of diving with other people. I can work almost anywhere – my local PADI dive shop, a resort on a far-flung island or even on a supervacht! To become an instructor, you'll need to have a number of scuba-

diving gualifications. These include the PADI Open Water Diver, PADI Advanced Open Water Diver, PADI Rescue Diver, PADI Divemaster and emergency first response certifications. You'll also need to successfully log 100 open water dives, complete an instructor development course and complete an instructor evaluation.

Challenge Activities

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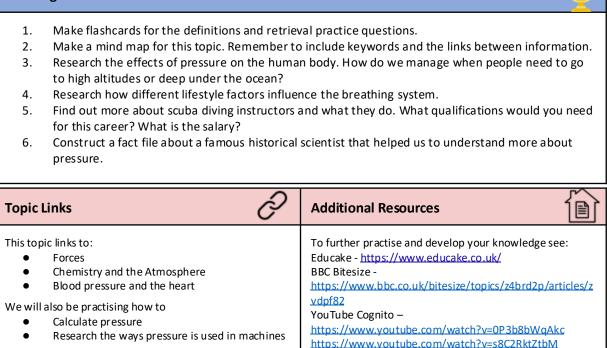
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Newsome Academy Everyone Exceptional Everyday

Year 9 Earth Resources

The aims of the sequence of learning are to ensure that all students can:

- Describe how the Earth has limited resources and the importance of recycling
- Explain how the reactivity series is used to displace metals from their ores

Keyword	Definition 🗔	Key Concepts				
Finite	Resources which will run out soon. There is a limited supply.	Finite and Renewable Resources	Extracting metals			
Renewable	Resources which will not run out in the foreseeable future.	Many of the Earth's resources are finite. Chemists have a role in	Metals mostly occur as compounds in rocks and minerals and must be			
Resource	A resource is a physical material that humans need and value such as land, air, and water.	estimating the number of reserves remaining and ensuring that the use of resources is sustainable.	extracted before they can be used. The method used to extract the pure metal depends on its position in the reactivity series.			
Reserves	Deposits of natural deposits that are known to exist.		The most unreactive metals, silver and gold, are			
Sustainability	Sustainability is the idea that humans must interact with the environment in a way that ensures there will be enough resources left for future generations.	Hydropower Energy	found as elements in the rocks. They are not chemically bonded to other elements in compounds. Most of the metals found in rocks are combined			
Metals	Substances that have high melting/boiling points, conduct electricity/heat, are shiny and are malleable.	Entryy The Fuel of Life Wind Finance, Wind Finance,	with other elements in compounds . These compounds are called minerals . Metals below carbon can be extracted using a Hydrogen			
Chemical Bonds	Forces holding atoms together in a molecule. Require energy to break.	Geothermal Energy	displacement reaction but those above carbon must be extracted using electrolysis.			
Reactivity Series	How well a metal can react will affect its order in the reactivity series.	Reduce Reuse and Recycle	Displacement			
Displacement	A more reactive element can displace a less reactive element out of its compound during a chemical reaction.	The 3'R's	Displacement reactions are chemical reactions which involve a metal and a compound containing a different metal.			
Electrolysis	Electrolysis is a process which uses electrical energy to break a compound and collect pure metals.	Reduce Reuse Recycle	These compounds containing metals and non-metals are called salts . For example, iron (a metal) reacts with copper sulfate (a salt containing copper).			
Reduce	Producing less waste.		In a displacement reaction, a <i>less</i> reactive			
Reuse	Using items as much as you can before replacing them.		metal is displaced from its compound by a <i>more</i> reactive metal. When a displacement reaction happens, $C_uSO_4 \rightarrow C_uSO_4 \rightarrow C_u - F_eSO_4$			
Recycle	Converting waste materials that would be thrown away into new materials and/or objects.		the temperature rises. Fe + CuSO ₄ \rightarrow Cu + FeSO ₄			

Year 9 Earth Resources

The aims of the sequence of learning are to ensure that all students can:

- Describe how the Earth has limited resources and the importance of recycling
- Explain how the reactivity series is used to displace metals from their ores

Retrieval Practice

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Academy Everyone Exceptional Everyday

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Questions	Answers	
What name is given to resources which may run out one day if not managed carefully?	Finite resources such as crude oil.	
What are the 4 main non-renewable energy sources?	Coal, Oil, Natural gas and Uranium.	4
What is a renewable resource?	A resource that will not run out for the foreseeable future.	
Name some renewable resources.	Wind, Solar, Geothermal, Wood, Hydro (water) and Cotton.	Ch
Where are metals found?	In their ores, as compounds chemically bonded to other elements.	1.
What is displacement?	When a more reactive substance removes an element from its compound.	2. 3.
Why can't all metals be extracted using carbon?	They are more reactive than carbon so cannot be displaced.	4.
Which metals can be extracted using carbon?	Zinc, iron and copper.	5.
What process is used to extract reactive metals?	Electrolysis	To Thi
Name the three R's	Reduce, Reuse and Recycle.	
What is recycling?	When waste materials are made into new materials and objects.	We
Why is it important to reduce, reuse and recycle?	So that resources do not run out and so that less waste goes to landfill or for incineration.	

Career Focus - Where could this take you?



I am a dental technician. I work with a variety of materials such as polymers and ceramics to help improve or replace lost teeth. I work with the information that dentists provide me to make things like dentures, veneers, bridges, crowns and braces. I need a good understanding of the science of dental materials to ensure the correct material is chosen for the particular job it needs to do.

I work mainly in the laboratory with a range of specialised equipment, so my day is very varied and never boring. My qualifications include a BTEC national diploma in dental technology.

Challenge Activities

32

endlenge Activities	<u> </u>				
1. Make flashcards for the definitions and retrieval practice questions.					
Make a mind map for this topic. Remember to include keywords and the links between information.					
3. Research the career dental technician and find out more about what they do. How much is their salary and what routes are there to become one?					
4. Produce a fact file on renewable resources. What technology is being developed now to help					
 with the energy crisis? 5. Construct a fact file about a famous historical scientist that helped us to understand more about extracting metals. 					
about extracting metals.					
about extracting metals. Topic Links	Additional Resources				
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Topic Links Image: Constraint of the section of the					
Topic Links O	To further practise and develop your knowledge see: Educake - <u>https://www.educake.co.uk/</u>				



Newsome Academy Verynee Located and Year 9 Inheritance & Evolution

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- The aims of the sequence of learning are to ensure that all students can:
- Describe the process of natural selection and how this can lead to extinction
- Explain how biodiversity can be maintained

Keyword	Definition	Key Concepts					
Biodiversity	The variety of different species in a habitat.	Inheritance	Natural Selection				
Natural selection	The process that drives evolution; some species are better adapted to environment and pass on genes.	Characteristics are passed along from parents to their offspring Half of the genetic information comes from each parent; this is	Scientists believe that the organisms which we see on Earth today have gradually developed over millions of years, this is known as evolution Charles Darwin came up with the concept of natural selection, he said that only the best adapted animals will survive to pass on their genes, weaker animals will die out.				
Evolution	The process by which organisms change over a long period of time.	passed on through the sex cells in the process of fertilization.					
Extinction	The dying out of a species.	Egg (Ovum) 23 Chromosomes	Some mice are				
Fossil record	The record of organisms that existed over time using fossils as evidence	23 Chromosomes	eaten by birds				
DNA	The genetic information found inside the nucleus	Humans get 23 chromosomes from their Father (sperm) and 23 chromosomes from their Mother (egg), which combine to make an embryo with 23 pairs of chromosomes.					
Chromosome	Highly coiled strands of DNA that occurs in pairs		A population of mice has moved into a new area Tan mice are more visible to predatory birds than a higher chance of leaving				
Gene	A section of DNA that codes for a protein	Genetics Our genetic information is stored inside the nucleus of all cells.	where the rocks are very black mice. Thus, tan mice offspring than tan mice, dark. Due to natural are eaten at higher frequency the next generation contains genetic variation, some than black mice. Only the a higher fraction of black mice are black, while surviving mice reach mice than the previous others are tan. reproductive age and leave generation.				
Inherited characteristics	Features that are passed from parents to offspring.	DNA consists of two long strands wound together in a double helix structure. For every characteristic an organism will	Extinction A species will become extinct when all of a species die out. The fossil record shows us that animals have existed in the past which have now become extinct. Extinction can be caused by: Changes to the environment, Destruction of behind the past which have end become end to be addressed.				
Allele	The form of a gene (e.g. an allele for the hair colour gene might be blonde, or brown etc).	have two alleles, this is two different genes which can code for the same characteristic, one is inherited from each parent Cell Chromosome DNA					
Dominant	The allele that <u>will</u> show up. (Written as a CAPITAL letter eg B for brown)	 Dominant alleles will cause the characteristic to be displayed even if they are with another allele, this is represented by a capital letter 					
Recessive	The allele that <u>does not</u> show up if there's a dominant allele too. (Written as a lowercase letter eg b for blonde)	 Recessive alleles will not be displayed as characteristics unless there are two of the same allele, they are the characteristic least likely to be shown, this is represented by a small letter. 	habitat, New diseases, Introduction of new predators and Increased competition When a species becomes extinct, the variety of species within an ecosystem is reduced, this is also known as a reduction in biodiversity.				
Genotype	Genetic makeup of an individual for a particular characteristic eg Dd		The more diverse a population is, the more likely they are to survive environmental changes.				

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- Explain how biodiversity can be maintained

Retrieval Practice

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Questions	Answers				
What is genetic information?	This is the DNA that is passed to us from our parents.				
How are characteristics inherited?	Half the DNA is passed on from the father in the nucleus of the sperm and half the DNA is passed on from the mother in the nucleus of the egg.				
How many chromosomes does a person have?	46 chromosomes in pairs of 23.				
What is a gene?	A section of DNA that codes for a protein				
What is an allele?	A gene that codes for a particular characteristic e.g. blue or brown eyes				
What is the difference between a dominant and recessive allele?	Dominant alleles always show in our phenotype, recessive alleles only show in our phenotype if both are present.				
What is the difference between phenotype and genotype?	Phenotype = our chararcteristics Genotype = our genetic makeup				
What is natural selection?	The process by which organisms that are better adapted to their environment survive and pass on their genes to their offspring.				
What is evolution?	The process by which species slowly change, generation after generation due to natural selection.				
What are the fossil records?	The records of organisms that existed in the past based on fossils.				
What is biodiversity?	The number and diversity of different species living in a habitat.				
Why can low biodiversity lead to extinction?	Makes organisms more vulnerable if changes in the environment occur.				
How can biodiversity be improved?	Ban hunting animals, prevent plants from being removed and trees cut down, protect areas with high levels of biodiversity, plant more species.				

Career Focus - Where could this take you?

32



I am a geneticist. I work mainly in a lab to look at how genes affect how cells and organisms behave. I prepare and analyse samples of genetic tissue, use data and statistics to produce computer models, write reports and publish my findings in scientific journals.

I have to wear protective equipment when I work in the lab. The skills I need for this job include a good knowledge of biology, excellent communication skills, math skills, good attention to detail, thinking and reasoning skills and the ability to use scientific equipment.

Challenge Activities



- 1. Make flashcards for the definitions and retrieval practice questions.
- 2. Make a mind map for this topic. Remember to include keywords and the links between information.
- 3. Research how biodiversity has decreased around the planet and the things that have been done to try and stop biodiversity reducing.
- 4. Find out more about geneticists and what they do. What qualifications would you need for this career? What current research is being done? What is the salary?
- 5. Construct a fact file about a famous historical scientist that helped us to understand more about evolution.

Topic Links	Additional Resources
 This topic links to: Cells Ecosystems We will also be practising how to Draw punnet squares and calculate probability Evaluate claims based on fossil records 	To further practise and develop your knowledge see: Educake - <u>https://www.educake.co.uk/</u> BBC Bitesize - <u>https://www.bbc.co.uk/bitesize/topics/zpffr82</u> YouTube Cognito – <u>https://www.youtube.com/watch?v=T6_wKPAbf2k</u> https://www.youtube.com/watch?v=zNEtVaNO0s8





Year 9 Machines

The aims of the sequence of learning are to ensure that all students can:

- Describe how forces move and distort objects (inc. Hooke's law)
- Explain how moments and levers work

Keyword	Definition	Key Concepts					
Force	A push or pull that acts on an object due to interaction with another object.	Simple machines	Moments and Levers				
Newton	A unit of force. How forces are measured. Symbol = N	Simple machines are devices which alter the direction or force of a certain object, making it easier to move. A simple machine makes it easier and reduces the time it takes to complete a job.	A moment is the turning effect of a force. Forces that create a moment act around a point called the pivot. The pivot is the point around which the object can rotate or turn.				
Simple machine	Devices that alter the direction or force of an object.	Simple machines have made life easier for humans in loads of different ways, and it's hard to imagine we'd have developed this far without them. Many of the complex designs and tools we use today	On a seesaw the pivot is the point in the middle It makes calculations easier to try to measure				
Pulley	A wheel with a cord that can be used to lift objects.	stemmed from simple machines of the past - they're a key stepping stone towards complex machinery.	the perpendicular distance between the line of action of the force and the pivot. For example, if you apply a force to a				
Axle	A rod that goes through the centre of a wheel	Simple machines can work in a variety of ways. They can transfer a force from one place to another, change the direction of a force, increase a force's magnitude, or increase the distance or speed of a	Spanner, it rotates. The pivot is at the bolt.				
Screw	A rotating helix that moves straight.	force. Examples of simple machines: Inclined Plane Pulley	When you push open a door, you apply a force to the edge of the door furthest from the hinges. This force has a turning effect on the door - a				
Lever	A ridged bar that rotates around a pivot point.	Axle Screw	moment which causes the door to rotate around the hinges - the - and the door opens.				
Inclined plane	A sloping surface used for lifting heavy objects.		Hooke's Law				
Moments	The turning effect of a force.		When a force is applied to an object it can change its size and shape.				
Pivot	The point around which an object rotates or turns.	Work Done	The force will either stretch or compress the object. Some objects, like springs, obey Hooke's law .				
Work done	The amount of energy transferred when a force acts over distance.	When a force causes an object to move, work is being done. Work is a measure of the energy transferred when a force acts over a	This law describes the relationship between the force applied and the spring's extension or compression.				
Hooke's Law	The extension of a spring is directionally proportional to the force applied.	distance. This is often when a force moves an object, but work is also done when a force compresses or extends a spring or other flexible object.	To investigate , you can add masses to a spring and measure the length of the spring when the of the masses is increased. This experiment investigates Hooke's law.				
Extension	When an object is stretched (made longer).	This means that: energy transferred = work Work and energy are both measured in joules (J).	This experiment investigates Hooke's law.				
Directionally proportional	As one variable doubles in size (e.g. weight of mass) the other variable also doubles in size (e.g. length of spring)	The following equation can be used to calculate work: Work done in joules (J) = force in newtons (N) x distance moved in the direction of the force in metres (m)	that the extension of a spring is directionally proportional to the force applied to the spring.				

The aims of the sequence of learning are to ensure that all students can:

- Describe how forces move and distort objects (inc. Hooke's law)
- Explain how moments and levers work

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Retrieval Practice

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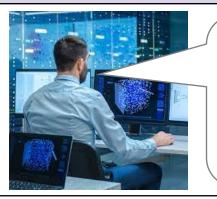
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Retrieval Practice	<u>अ</u> ह
Questions	Answers
What is a simple machine?	A device that can alter the direction or the force of an object.
What is a pulley?	A device that consists of a wheel and a cord that can be used to lift objects.
How do pulleys work?	An object is attached to one end of a cord that is placed around the wheel. The opposite end of the cord is pulled to lift the object.
What is an inclined plane?	A sloping surface that allows heavy objects to be lifted.
How do inclined planes work?	The inclined plane (ramp) allows objects to be lifted up or down with less force.
What is a moment?	The turning effect of a force.
How do levers work?	They act as force multipliers; one end of the leaver is rotated around a pivot point and the opposite end of the leaver moves up or down.
What is work done?	The amount of energy needed to move an object s certain distance with a certain amount of force.
How do we calculate work done?	Work done = Force X Distance
What is work done measured in?	Joules (J) or Newtons per meter (Nm)
What is Hooke's Law?	The extension of a spring is directionally proportional to the force applied.
How do we investigate Hooke's Law?	We add masses (100g) to a spring and measure the extension of the spring (how much it stretched)
What does directly proportional mean?	As one variable increases so does the other variable in the same proportions e.g. as one doubles so does the other.

Year 9 Machines

Career Focus - Where could this take you?



I am a machine learning engineer. My job is to work in a special branch of artificial intelligence that enables machines to learn without further programming. My role is to be responsible for creating programs and algorithms that allow machines to take actions without being directed.

To become a machine learning engineer, I needed a degree and a masters in a relevant discipline. The skills they were looking for when employing me included understanding computer science, excellent math skills, use data modeling, being able to work with other data analysists and be able to analyse complex data sets.

https://www.voutube.com/watch?v=p7QS4cz-Avs

Challenge Activities

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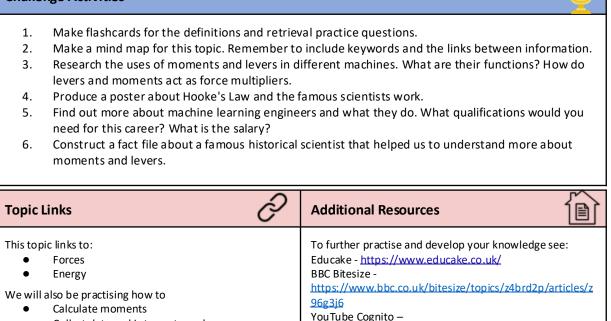
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Collect data and interpret graphs



Humanities

Our students will:

- know and understand the history of these islands as a coherent, chronological narrative, from the earliest times to the present day: how people's lives have shaped this nation and how Britain has influenced and been influenced by the wider world
- understand historical concepts such as continuity and change, cause and consequence, similarity, difference and significance, and use them to make connections, draw contrasts, analyse trends, frame historically-valid questions and create their own structured accounts, including written narratives and analyses
- understand the methods of historical enquiry, including how evidence is used rigorously to make historical claims, and discern how and why contrasting arguments and interpretations of the past have been constructed
- develop contextual knowledge of the location of globally significant places both terrestrial and marine – including their defining physical and human characteristics and how these provide a geographical context for understanding the actions of processes
- understand the processes that give rise to key physical and human geographical features of the world, how these are interdependent and how they bring about spatial variation and change over time



Newsome Academy Everyone Exceptional Everyday Year 9: How did Britain fight for democracy?

- To explore how people voted before reforms.
 - To evaluate the significance of the Peterloo Massacre on working men.
- To explore how the Chartists fought for the right to vote.
- To explore what life was like for women in 20th Century Britain.
- To evaluate the impact of the Suffragette and Suffragists Movement in 20th Century Britain.

Keyword	Definition	Key Concepts					
Suffrage	The right to vote in political elections.	Expectations of Women from the 17 th to 19 th Century:					
Suffragette	A campaigner for women's suffrage willing to undertake militant action or to break the law.	At the start of the Twentieth Century, women had a very stereotypical role in British society. If married, they stayed at home to look after the children while their husband worked and brought in a weekly wage. If single, they did work which usually involved some form of service such as working as a waitress, cooking etc. Many young women were simply expected to get married and have children. The term "spinster", though not a term of outright abuse, was still seen as having some form of stigma attached to it That you were not good enough to get a husband! For decades women's progress in British society was haunted by the words of Queen Victoria:					e truly polite, member you st be polite at Never, when at the home table, leave it until the To munch or
Suffragist	A campaigner for women's suffrage who believes in constitutional methods of campaigning.						times, and under all cumstances.
NUWSS	The National Union of Women's Suffrage Societies, formed in 1897 and brought together many smaller suffrage organisations. The NUWSS's method was non- confrontational and constitutional.						vents NUWSS formed. Millicent Fawcett is leader
	Women's Social and Political Union was formed when	"Let women be w	what God intended,	a helpmate for man	n,	1897	
WSPU	Emmeline Pankhurst found disillusionment with the progress of NUWSS. 'Deeds not Words' was their slogan.	but with totally different duties and vocations."				1903	WSPU is formed by Emmeline Pankhurst and daughters.
Petition	A formal written request or application, especially one signed by many people, to a particular individual or group,		Key People:			1905	Militant campaign begins – Christabel Pankhurst and Annie Kenney arrested.
	for example, a government.		120		E	1908	Mass rally in London – 300,000 to 500,000 activists attend.
Chartists	Working class men who fought for the right to vote and to end the Rotten Borough System.			100			Window smashing using stones with written pleas on them.
Moral Force Chartism	The belief that peaceful methods like petitions and protest would be the best way for men to fight for the vote.					1909	Hunger strike and force feeding starts. Marian Wallace Dunlop becomes the first hunger striker.
Physical Force Chartism	The belief that more militant and aggressive methods were needed for working class men to gain the vote.			and a start and a start and a start a s	Millicent Fawcett	1913	Militant bomb and arson campaigns and increasing arrests which results in the passing of the 'Cat and Mouse Act' under which
Constitutional	A peaceful, legal way of campaigning, often using recognised 'political' methods such as petitions.	Emmeline Pankhurst (WSPU): Led the WSPU	<u>William Lovett</u> (Moral Force Chartism):	Feargus O'Connor (Physical Force	(NUWSS): Leading suffragist and		hunger strikers are temporarily released then rearrested to prevent them dying in police custody.
Hunger Strike	Some imprisoned suffragettes went on hunger strikes to further raise awareness for their cause.	Led the WSPU Chartism): from October Was the leader 1903. Took more of the moral militant action force Chartists such as window who believed the smashing, arson working class and and hunger middle classes strikes. Arrested should be numerous times, working went on hunger together. He strikes and was wanted to preset		as the leader the moral rce Chartists no believed the brking class and iddle classes ould be brking classes by force and by force and by force and by force and by force and by force and corking classes by force and by force and corking classes by force and corking classes by force and corking classes by force and corking classes by force and corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking classes corking corkin	led NUWSS from 1897-1919. Played a key role in getting women the vote. Dedicated to using constitutional means and	1913	Emily Wilding Davison attempts to pin a Suffragette scarf onto the King's Horse at the Derby. She is struck by the horse and dies four days later.
Rotten Borough	A smaller area that had a disproportionate number of MPs representing them in the House of Commons.					1914	World War One starts. Suffragette leaders urge women to join the war effort.
Peterloo Massacre	The largest working class gathering for political reasons which ended with a brutal response by the calvary in Manchester.						NUWSS continues to campaign for recognition for their work.
Enfranchisement	To be granted the vote or the state of having the vote.	force fed. Died in 1928.	petitions to parliament.	riots, such as the Peterloo Massacre.	argued that militancy was counter- productive.	1918	The Representation of the People Act is passed, allowing men over 21 and women over 30 to vote.



Academy Year 9: How did Britain fight for democracy?

husband worked and brought in a weekly wage

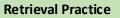
If married, they stayed at home to look after the children while their

The NUWSS was formed in 1897 and Millicent Fawcett was its leader until

Answers

1919.

- To explore how people voted before reforms.
- To evaluate the significance of the Peterloo Massacre on working men.
- To explore how the Chartists fought for the right to vote
- To explore what life was like for women in 20th Century Britain.
- To evaluate the impact of the Suffragette and Suffragists Movement in 20th Century Britain



the start of the 20th Century?

What 'stereotypical' role did women have at

When was the NUWSS formed and who was

Questions

its leader?

	Career Focus - Where could this take you?
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I am a Prison Officer; My job is to keep prisoners secure and support anyone who is vulnerable. I need to carry out security checks and searches of prisoners and cells, to ensure they are following the rules and that they are safe. Sometimes I have to use authorised physical control and restraint. I require many skills to do my job, including knowledge of public safety and security, the ability to accept criticism and work well under pressure. I need to have patience and be thorough, paying attention to detail, as well as excellent verbal communication

When was the WSPU formed and who by?	The WSPU was formed in 1903 by Emmeline Pankhurst and her daughters.	skills.	
What kind of militant protests did the WSPU carry out?	Campaigns included mass rallies, smashing windows throwing stones with pleas on and arson. All of which resulted in many arrests.	Challenge Activities	<u> </u>
What kind of protests did the NUWSS carry out? What was a 'hunger strike' and what would happen to the women who carried them out? Why is Emily Wilding Davison so famous in the Suffragette Movement?	They used more constitutional campaigns like leaflets and petitions as they believed militant campaigns were counter-productive to the cause. Hunger strikes were when prisoners would refuse to eat so that they could bring further attention to their cause. Prison officers would use force feeding (through a tube) to ensure the prisoners stayed alive. Emily Davison ran out in front of the King's horse on Derby day to pin a Suffragette scarf to it. She was badly injured and died shortly after.	 include who was involved, what happened a police. This should be your own work not at 2. Write a script to use in a movie or play about to have the vote. Some movies have alread (incorporating some historical facts with a fi 3. Imagine its 1917 Write a petition to Parlia 	ut the Suffragette Movement and their fight for women dy been produced on this which use historical fiction ctional storyline), so that's what you should aim to do. ment detailing why it's important that women have in society, their role in World War One and why they
What was the result of the Peterloo Massacre?	Many of the unarmed protesters were killed by the cavalry. It led to the banning of the movement and the meetings of large groups. In the long term, it is viewed by many as an inspiration for change to this day.	Topic Links	Additional Resources
What was the 1832 Great Reform Act?	This removed all rotten boroughs across the UK and 43 MPs were given to new industrial towns like Manchester, Liverpool and Leeds. This also expanded who could vote in the elections, however still limited.	 This topic links to other humanities topics such as: World War One The end of World War Two Britain's Homefront 	To further practise and develop your knowledge see:
By 1884, how much percentage of the population could now vote?	It increased from 6% in 1832 to 30% by 1884.		



Newsome Academy Year 9: The First World War Ord War . • identify the long- and short-term causes of World War One. • explore and explain the sequence of events that led to the start of war after the 'spark'.

 explain what trench warfare was, including the advantages and disadvantages, structure of a trench and weapons used.

Key Con	cepts
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Keyword

Nationalism

Alliances

Empires

Imperialism

Arms Race

Assassination

Mobilise

Military

Trenches

Conditions

Strategy

Bloody

Useful

Drovenance

Causes

Definition

h

Something or someone that brings about a result or effect.	The M.A.	N Long Term Causes of World War One:		Short Term Cause of
The belief that your country is better than anyone else's.	Militarism	People were proud of their countries and wanted strong armies and navies to show off their strength. To make sure	R	World War One – The Spark:
Two or more countries who agree to support each other when needed.		that theirs were the best, countries increased their spending on bigger and better armies and got caught up in an arms race. Many countries had overseas Empires and	Same State	The 'spark' which led to a sequence of events and the breakout of war was the assassination of the heir to
A group of territories / colonies controlled by another country and one ruler.		needed a large army and navy to protect and control their colonies. However, if countries fell out, temptation to use those weapons was always there.	y to protect and control their es fell out, temptation to use	the Austro-Hungarian throne; Archduke Franz Ferdinand on 28 th June 1914. Austro-Hungary now wanted
The desire to take over and conquer other countries.			2000	revenge
A competition between two or more countries to have the best armed forces. This normally involves recruiting and training more soldiers and developing new, better weapons.	Alliances Militarism meant that countries were growing very suspicious of each other and wanted to protect themselves from possible attack. A good way to achieve this was to make an alliance with another powerful country that would promise military support in case of war. Europe split into two alliances: Germany, Austro- Hungary and Italy formed the Triple Alliance and Britain, France and Russia formed the Triple Entente.		There w	Life in the Trenches es could be very wet, muddy and smelly. ere many dead bodies buried nearby latrines (toilets) sometimes overflowed trenches. It was not just the toilets that issue, there were many other problems
The act of murdering a usually important person by a surprise or secret attack.			into the were an	
Prepare and organise troops or soldiers and weapons.			in the trenches including; Trench foot, lice and rats We will look at the issues these caused i	
Anything relating to the army and armed forces.	Imperialism	1914 and had a huge Empire. Other nations wanted big	our lessons.	
Long, deep ditches dug as protective defenses in war		Empires too – a desire known as imperialism. The race to gain control of other colonies, particularly in Africa, led to tension and rivalry among European countries. They began		<u>ch warfare:</u>
Environment, circumstances or factors affecting the way in which people live or work and their well-being.		to see each other as a threat to their overseas possessions, so thought war was the only way to remove this threat permanently.	Sand Dags Barbed wire	Gasmask Rifle Ammunition Haversack
A plan of action aimed to achieve a long-term goal.	Nationalism	From the middle of the 19 th century, people started to take		pouches for builtets - Helmat
Describing a situation or event as bloody means it was violent and many people were killed.		great pride in their countries Many nations did not have their own countries like Czechs, Hungarians and Slovaks in central Europe or Bosnians and Greeks in the Balkans.	Annuniti Shelf	on Waterbottle
A judgement about how relevant or helpful a particular source is in providing information about the topic being studied.		They felt it was time for them to become independent and they were willing to fight for it.	Fire step	Shovel Boots Puttees
A term used for a source's 'background' nature origin and				



Year 9: The First World War explore why man reach a judgemer cowards.

The aims of the sequence of learning are to ensure that all students can: explore why many young men decided to join up and fight in France. reach a judgement on whether it was fair to deem Conscientious Objectors as analyse various sources and decide how useful they are for explaining why the Somme was so 'bloody'.

Retrieval Practice:

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Academy

	216
Questions:	Answers:
Name the three countries in the Triple Alliance:	Germany, Austria-Hungary and Italy.
Name the three countries in the Triple Entente:	Britain, France and Russia.
Who was the leader of Germany at the start of World War One?	Kaiser Willhelm II.
Tell me one long term cause of World War One and explain how it would lead to war:	Militarism this meant that countries were growing very suspicious of each other and wanted to protect themselves from possible attack.
What significant event happened on 28 th June 1914?	The assassination of Archduke Franz Ferdinand.
Tell me one design feature of a trench and what it was used for:	Fire step – to stand on and shoot from.
Tell me two weapons used by soldiers during World War One:	Rifle and Bayonet.
What new weapon was used for the first time during the Battle of the Somme	Tanks.
Tell me one way the conditions in the trenches were poor for soldiers:	Rats spread diseases, such as Cholera and Trench foot from the cold and damp.
What was signed to end World War One and on what date?	The Armistice on 11th November 1918.

Career Focus - Where could this take you?

I am a Barrister: My job is to represent clients and argue their cases in Court. To prepare for court cases I need to conduct legal research, gather evidence from my client and their solicitor, then put together an argument to ensure the outcome of proceedings goes in favour of my client. I am a very confident speaker as I need to present my client's case with conviction. I am also good at analysing, problem-solving, ensuring attention to detail and managing projects. It is vital I have good written communication skills too.

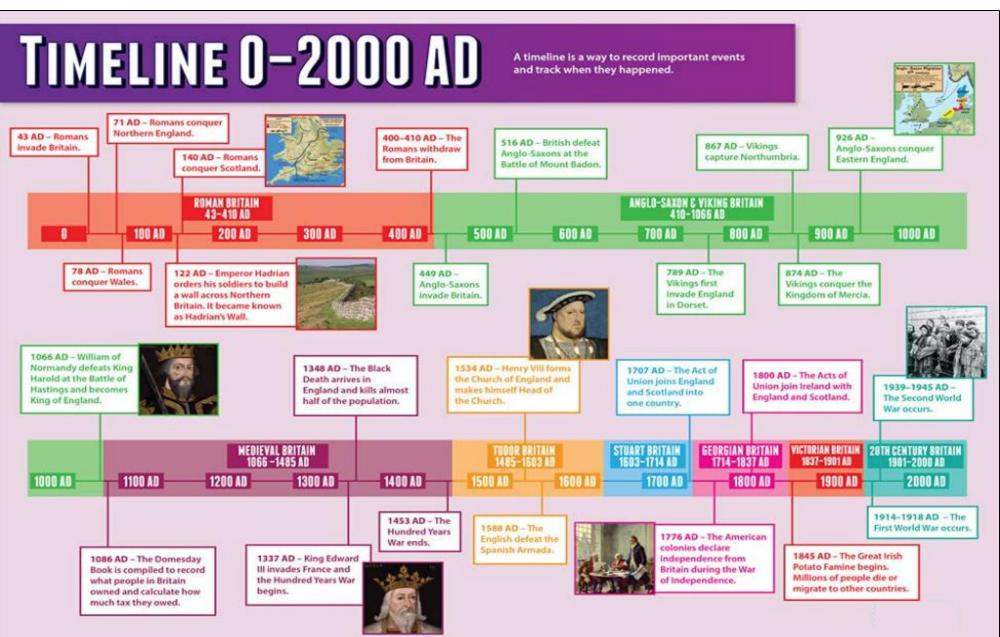


Challenge Activities

 of doing this – speak to your teacher for extra - Talk to your family members; it's quite possible to family History research and knows what your relations - Use the War Graves website to find out if any of buried, what date they died and what battle they If you can't find anything about a relative, you conwho won a medal such as the Victoria Cross. Write a newspaper article about one of the statement of the statement	hat someone in your family has already undertaken some atives did during WWI. your relatives died in the war and if so, where they are were fighting in. buld research the relatives of celebrities or look for someone
Topic Links	Additional Resources
Topic Links Image: Constraint of the story topics of the story topics of the story topics of the story topics of the story of the story of the story of the story topics of the stor	Additional Resources









Newsome Academy Y9 Rivers and Management • State how rivers erode and transport material • Explain the formation of different river features in the rivers The aims of the sequence of learning are to ensure that all students can:

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Q. 5

- Describe the human and physical causes of flooding
- Evaluate strategies to reduce flood risk

Keyword	Definition 🖸	Key Concepts		
Erosion	The breakdown and removal of material.			Deposition
Transportation	The processes which move river material down the river.	Erosional Processes <u>Hydraulic Action</u> – as the water is	Transportation	River's deposit eroded material as they lose energy (velocity) this happens when:
Bedload	The material carried by a river.	forced into the sides of the river channel, air is	Transportation processes	• The river becomes shallower.
Deposition	The dropping of carried material when a river loses energy.	compressed in the small cracks in the rock. Tiny fragments of rock get broken away	<u>Traction</u> – material carried by the river is rolled along the riverbed.	 The discharge (volume of water) is reduced. The amount of transported material increases. The river reaches the mouth.
Meander	A bend in a river. Normally found in the middle course.	as the process is repeated. <u>Abrasion</u> – the river picks up	Saltation – material carried by the river is bounced along the	The river's journey The values and the rest of the values of the values of the values of the rest of the values of the values of the values of the rest of the values of the values of the values of the rest of the values of
Waterfall	A step in the long profile of a river. Usually formed when a river crosses over a hard band of rock.	eroded rocks, pebbles and sand. The material then rubs against the channel, wearing it away. Attrition – eroded materials in the	riverbed. <u>Suspension</u> – material is	With higher land on each size. Under the source is where the river
Discharge	The volume of water passing a given point on the river course.	Attrition – eroded materials in the river bump into each other and eventually wear each other down.	carried by the river water. Solution – soluble material is dissolved and	Smaller rivers join the main one. They are tributaries where a lot of rain collects.
River Channel	The route the water flows through.	Over time, the materials become smaller and more rounded.	carried by the river water.	The point where two fives
Thalweg	The line of fastest flow in a river.	<u>Solution</u> – water reacts with minerals in rocks and the structure		Don is called a contruence. The river gets wider The source to mouth, and carries more water.
Mouth	The end of a river where a rivers meets a sea or lake	of the rock is changed.		Rain failing in the area inside the red dashed line feeds the river. This area is called the river basin
Source	Where a river begins.			The mouth of the river. This is where it flows into a lake, or the sea. A wide river mouth into the sea is a called an estuary. Here, fieth hiver
Tributary	Stream that feeds into a larger stream, river or other body of water.	Erosion	Transportation Solution Suspensior (dissolved load) sediment h	The river's long profile water mixes with the salty sea water. a - small eld in the river
Drainage Basin	An area of land drained by a river and its tributaries.	Solution		Deposition Sediment is deposited on the bed and banks of the river and at the mouth,
Confluence	Where 2 or more rivers/tributaries meet.	Hydraulic Attrition		- 'bouncing'
Watershed	The boundary of a river basin.	Abrasion		les too heavy spended

Newsome Academy Terrest Levelary Terrest Levelary

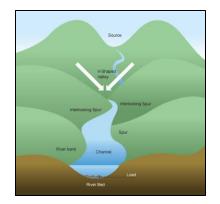
- The aims of the sequence of learning are to ensure that all students can:
- State how rivers erode and transport material
- Explain the formation of different river features in the rivers
- Describe the human and physical causes of flooding
- Evaluate strategies to reduce flood risk

Key Concepts

Q. 63

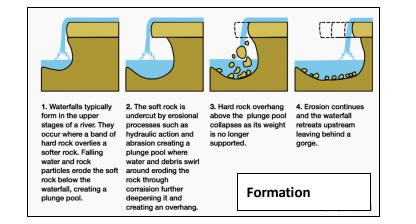
Interlocking spurs

Form in the upper course of a river where vertical erosion creates steep-sided V-shaped valleys. The river winds and bends to avoid areas of hard rock creating interlocking spurs of land.



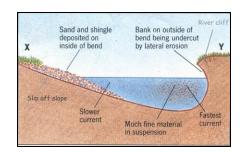
<u>Waterfalls</u>

Waterfalls are found in the upper course of a river and are created when the riverbed is comprised of alternating hard and soft rock.



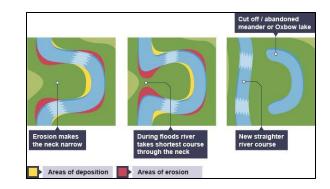
Meanders

Form in the middle and lower course where lateral erosion causes the river to widen. The outside of a river bend erodes more quickly as the water is forced to the outside of the bend as it turns.



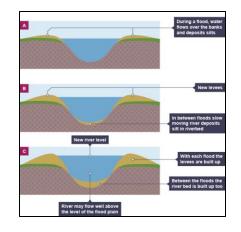
Ox-bow lakes

Form where meanders have become so enlarged that the river breaks through the neck of the meander and cuts off the bend.



Levees

Form in the lower course along the riverbanks due to repeated flooding. As water overflows the main channel, it loses energy, depositing material on the banks. This creates natural embankments.



Newsome Academy Y9 Rivers and Management • State how rivers erode and transport material • Explain the formation of different river features in the rivers

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Q. (5)

- The aims of the sequence of learning are to ensure that all students can:

- Describe the human and physical causes of flooding
- Evaluate strategies to reduce flood risk

Keyword	Definition	Key Concepts						
Flood	When a river bursts its banks and the water spills onto the floodplain.	-	e land that is not vater becomes inu	ndatad	Drainage basin and precipitation	'Flashy' hydrograph with a short lag time and high peak		Low, flat hydrograph with a low peak
Precipitation	Moisture falling from the atmosphere - rain, sleet or snow.				characteristics Basin size	Small basins often lead to a rapid	water transfer.	Large basins result in a relatively slow water transfer.
Geology	Studying the earth and rocks.	after a storm. Th	ows the rivers disc eir shape can be a	iffected	Drainage density Rock type	A high density speeds up water tr Impermeable rocks encourage ray flow.		A low density leads to a slower transfer. Permeable rocks encourage a slow transfer by groundwater flow.
Urbanisation	When an increasing number of people live in cities and towns.	-	s, shown in the tal he shorter the lag		Land use Urbanisation encourages rapid water transfer.			Forests slow down water transfer, because of interception.
Deforestation	The cutting down and removal of forest.	the greater the f	0		Relief Soil moisture	Steep slopes lead to rapid water t Saturated soil results in rapid over		Gentle slopes slow down water transfer. Dry soil soaks up water and slows down its transfer,
	_				Rainfall intensity	Heavy rain may exceed the infiltration capacity of vegetation, and lead to rapid overland flow.		Light rain will transfer slowly and most will soak into the soil.
Hydrograph	A graph which shows the discharge of a river related to rainfall over time.	Flood management can be done in two ways <i>Hard Engineering</i> or <i>Soft Engineering</i> .						
Lag time	The difference between the peak rainfall and peak river discharge.		gineering		Soft Engir			Flood Management - Banbury
Hard Engineering	Using artificial structures to defend against natural processes.	Dam/Reservoir	Regulate river flow Water can be stored to drink or for HEP.	Afforestati	ion	Cheap and trees can obstruct the flow of water	The storage the natural file the River C	nodplain of flood defence scheme was completed.
Channel Straightening	Removing meanders from a river to make it straighter.		Expensive & flood large areas of land.	Rue a		through, leaves and roots.	area capable holding aroun million cubi metres of water.	of d 3 been built to protect property and
Soft Engineering	Managing erosion by working with nature to reduce the flood risk.	Channel Straightening	Speeds up water flow to reduce flood	Floodplain	Zoning	Restricts different land uses to	A 2.9km e	
Floodplain Zoning	Identifying and planning how a floodplain can be developed.	risk but can pass on the risk to other areas downstream. Can damage wildlife				certain zones on the floodplain. Can reduce the cost of damage but can be		
Afforestation	Planting trees in areas that haven't recently had any tree cover, in order to create a forest.		habitats.	51225	AR	difficult to implement.		

Newsome Academy Pergene Leveley V9 Rivers and Management

The aims of the sequence of learning are to ensure that all students can:

- State how rivers erode and transport material
- Explain the formation of different river features in the rivers
- Describe the human and physical causes of flooding
- Evaluate strategies to reduce flood risk

Retrieval Practice

Questions	
What are four erosional processes active in a river?	Hydraulic Action, Abraison, Attrition and Solution
What are four transportational processes in a river.	Traction, Saltation, Suspension and Solution
What landforms are found in the upper course of a river?	Waterfalls and gorges
What landforms are found in the lower course of the river?	Levees and estuaries
Name a waterfall on the River Tees	High Force
What is the load of a river?	The material carried in the river
Give 2 factors which can create a flashy hydrograph?	Steep slopes and urbanisation
Name a hard engineering scheme and give 1 positive and 1 negative impact of it	Building a dam - it controls the amount of water in a river channel, but they cost a lot of money and people need to be displaced to build them
Give 2 flood management schemes in Banbury	2.9km flood embankment and they raised the (A361) main road

Career Focus - Where could this take you?

Geomorphologists study how the earth's surface is formed and changed by rivers, mountains, oceans, air and ice. This topic will help you understand how Rivers shape the surface of the planet and how processes create those shapes. The skills from this topic will help in any part of geomorphology and aren't limited to focusing on rivers.



Challenge Activities

- 1. Make a crossword using the key terms from this sheet. Don't forget to write detailed clues.
- 2. Create a collage using images, words and photographs to show the features of a river.
- 3. Create a full colour storyboard and script to depict the key information in the formation of at least 2 river features.
- 4. Research the flood defences in a UK city (like York) create a presentation or booklet with details and images about them.
- 5. Produce a piece of artwork or a 3D model to demonstrate your understanding of flood risk and management.

Topic Links	Additional Resources
This topic links to other subjects such as: RE and science We will also be practising how to:	BBC Bitesize:
 Analyse data from maps Develop locational knowledge and physical geography skills 	River Management:

Key Concepts: World – Countries and Oceans

Newsome Academy Everyone Exceptional Everyday

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59

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Newsome Academy Everyone Exceptional Everyday Year 9 The Problems of Evil and The Holocaust

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Describe the difference between natural and moral evil. .

- Explain how different religions respond to evil.
- Describe how the Jews were persecuted in Germany.
- Explain the impact of the Holocaust on survivors.

Keyword	Definition	Key Concepts
Theodicy	An attempt to justify God in the face of evil.	How evil and suffering cause problems for religious beliefs. The existence of evil and suffering is important because it can cause problems for Christians' belief in God. God is described as all-loving, as stated in
Omnipotent	All powerful.	Psalms 103:8: The Lord is compassionate and gracious. Some Christians cannot believe that an Omnibenevolent God would design a world full of natural evils. They find it easier to believe these are random acts of nature. Some Christians also find it hard to believe in an omnipotent God. They
Omniscient	All knowing.	question why God would allow humans to cause so much evil and suffering if he had the power to stop them from doing so. Another problem relates to the idea that God is omniscient. This means God would have known about all the evil and suffering that would come from him creating the
Omnibenevolent	All loving.	universe the way he did. Some Christians therefore wonder why he did not create the universe without this potential for evil and suffering. This suggests that, because evil and suffering clearly exist in the world, either God does not exist, or he cannot be omnibenevolent, omnipotent and
Omnipresent	All present.	omniscient.
Moral evil and suffering	This is suffering caused by the actions of humans. Examples include acts of murder, and war.	Biblical response. The biblical response suggests that people cannot understand why God allows evil and suffering to exist. Suffering is a part of human existence and enables Christians to demonstrate their commitment to God. The biblical response uses the Book of Job, which is found in the Old Testament. Job was a sinless man who led a good life. God was convinced that the only reason for this was that Job had a pleasant life, suggesting this made it easy for Job to
Natural evil and suffering	This is suffering that is caused by nature and has nothing to do with the actions of humans. Examples include earthquakes, floods, <i>tsunamis</i> and disease.	be faithful to God. God decided to see whether this was the case and allowed Satan to test Job. Satan did this in several ways, for example killing Job's sons and daughters, and making Job sick. Although Job began to question God's goodness, he defended God to his friends, and when God heard this, he blessed Job. Additionally, this shows that suffering is intended to be a part of life; joy and suffering cannot exist without each other. They also show that suffering can bring Christians closer to God.
Holocaust	The mass murder of Jews and other groups of people considered by the Nazis to be 'undesirable', during the second world war.	What was the Holocaust? Hitler blamed the Jewish people for Germany's defeat in the First World War. Nazi race-scientists incorrectly claimed that the Jewish people were sub-human. As soon as Hitler came to power, he introduced a programme of persecution,. The Nuremberg Laws (1935) deprived Jewish people of many of their civil rights. On 9 November 1938, Kristallnacht, or the 'Night of Broken Glass', took place. Jewish businesses, synagogues and homes
Auschwitz	The largest Nazi concentration camp, located 37 miles west of Krakow, Poland. The Auschwitz main camp (Auschwitz I) was established in 1940. In 1942, a killing centre was established at Auschwitz-Birkenau.	were attacked and destroyed. This was a response to the assassination of a German diplomat by a Polish Jewish man in Paris. After the outbreak of World War Two in 1939, the Nazis stepped up the persecution of the Jewish people: they were herded into over-crowded 'Ghettos'. After 1941, following the invasion of the Soviet Union, Nazi death-squads, called 'einsatzgruppen', murdered more than a million Jewish people in eastern Europe. In 1942, a Nazi conference at Wannsee decided on the 'Final Solution' – the Jewish people were to be systematically taken to camps such as Auschwitz and gassed. Nobody knows how many Jewish people died during the Holocaust, but the usual figure given is 6 million. The Jews were not the only group of people whom the Nazis considered to be undesirable. They persecuted other groups such as; gypsies, homosexuals and disabled
Concentration camps	Throughout Nazi German-occupied Europe, the Nazis established camps to detain the Jewish people and other groups of people they considered to be 'non-desirable'.	when is Holocaust Memorial Day? Holocaust Memorial Day takes place every year
Ghetto	A small area, usually with poor housing and sanitation, where large number of people live.	on 27 January, and marks the liberation day of Auschwitz-Birkenau, the largest Nazi death camp.

Year 9 The Problems of Evil and The Holocaust

Describe the difference between natural and moral evil. Explain how different religions respond to evil. Describe how the Jews were persecuted in Germany. Explain the impact of the Holocaust on survivors.

Retrieval Practice

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	516
Questions	Answers
What is the problem of evil and suffering for Christians?	Some Christians find it hard to believe in an omnipotent God. They question why God would allow humans to cause so much evil and suffering if he had the power to stop them from doing so.
What are the two different types of evil?	Natural evil Moral evil.
What is the story of Job?	Job was a sinless man who led a good life. God was convinced the only reason for this was that Job had a pleasant life, suggesting this made it easy for Job to be faithful to God. God allowed Satan to test Job. Job was still faithful to God, therefore God rewarded Job. This shows that joy and suffereing are linked.
What are the four omni words?	Omniscient, omnipotent, omnibenevolent, omnipresent.
What was the Holocaust?	The mass murder of the Jewish people and other groups of people they considered to be 'non-desirable', during the Second World War, by the Nazis.
What is Holocaust memorial day and when is it?	Holocaust Memorial Day takes place every year on 27 January, and marks the liberation day of Auschwitz-Birkenau, the largest Nazi death camp.
What is theodicy?	An attempt to justify God in the face of evil.
Where is Auschwitz?	Krakow Poland.
What were concentration camps?	Camps that the Nazi's detained Jewish people and other groups of people they considered to be 'non-desirable'.



Career Focus - Where could this take you?

I am a human rights lawyer, and Religious studies has helped me learn to think deeply, understand right from wrong, and see things from different points of view. These skills are important in my job because they help me solve problems, understand clients from different backgrounds, and make fair decisions.

Challenge Activities

 'Morals are always with us, it's what we choose to do with it, that's what counts.' Explain this statement in detail. Create a poster explaining how the holocaust affected the Jewish people. How can you live an ethical life if you're not religious? Explain your answer in detail. 					
Topic Links	Additional Resources				
This topic links to:	To further practise and develop your knowledge see:				

- We will also be practising how to: Argue a point and practise in debates - Voice 21
- Participate in debates
- Write in PEE paragraphs and how to structure exam questions
- articles/z4vvihv
- https://www.bbc.co.uk/bitesize/guides/zf3vb82/ revision/6



Religious Studies

Key Concepts

				SIX WOR	LD RELIGIONS	(spellings var	y)				
Religion name	Follower	SYMBOL	NAME OF GOD/GODS	COUNTRY OF ORIGIN	FOUNDER /MESSENGER	HOLY BOOK/S	PLACE OF WORSHIP	MAIN FESTIVALS	Denominations /schools/type/	Followers in the UK (approx.)	Followers in the world (approx.)
BUDDHISM	Buddhist	Dharmachakra	none	India (Today in Nepal)	Siddhartha Gotama (The Buddha)	Tripitaka	Temple Shrine room Vihara	Wesak Dharma day	Theravada Mahayana Zen Triratna Pure Land	98,000	376 million
HINDUISM	Hindu	Om/Aum	Brahman (Shiva Vishnu Brahma)	Indus Valley	none	Vedas Bhagavad Gita Mahabharata	Mandir Temple	Holi Diwali		272,000	1 billion
CHRISTIANITY	Christian	Cross	God	Palestine Israel	Jesus of Nazareth	Bible	Church Cathedral	Easter Christmas	Catholic Eastern Orthodox Church of England Baptist Quaker	30 million	2.2 billion
JUDAISM	Jew	Star of David	G_d	Israel	Abraham	Torah Tenakh	Synagogue	Rosh Hashanah Pesach Yom Kippur	Hasidic Orthodox Reform Liberal	214,000	14 million
SIKHISM	Sikh	Khanda	God Waheguru	Punjab, India	Guru Nanak The ten Gurus	Guru Granth Sahib	Gurdwara	Vaisakhi Diwali	Sahajdhari Amritdhari	239,000	23 million
ISLAM	Muslim	Five pointed star & crescent moon	Allah (God)	Saudi Arabia	Muhammad (pbuh)	Quran	Mosque	Eid-ul-Fitr Eid-ul- Adha	Sunni Shi'a Sufi	1,278,000	1.6 billion



Theist = Someone that believes in God

Atheist= Someone that doesn't believe in God

Monotheist = Someone that believes in one God Polytheist = Someone that believes in many gods

Agnostic = Someone that is not sure about the existence of God

Timeline of religions (all dates approximate)

1	1	1	1	1	1	1
2000 BC	1500BC	560 BC	0	30 AD	610 AD	1500 AD
Hinduism	Judaism	Buddhism		Christianity	Islam	Sikhism





Our students will:

- > understand and respond to spoken and written language from a variety of authentic sources
- Speak with increasing confidence, fluency and spontaneity, finding ways of communicating what they want to say, including through discussion and asking questions, and continually improving the accuracy of their pronunciation and intonation
- can write at varying length, for different purposes and audiences, using the variety of grammatical structures that they have learnt
- Iscover and develop an appreciation of a range of writing in the language studied.



Year 9 - Mon monde à moi

The aims of the sequence of learning are to ensure that all students can:

- Describe themselves and family in detail.
- Use adjectives accurately to describe people and relationships.
- Narrate a celebration in the past.

Key structures	Translation	Key Concepts					ANGLE AND				
Samedi dernier	Last Saturday	Qu'est-ce que tu aimes faire le weekend? What do you like to do at the weekend?				Ton ami(e) est comment? What's your friend like? Mon ami(e) s'appelle My friend is called					
J'ai fêté le jour de mes treize ans	l celebrated my 13th birthday	Quand je suis seul(e)	uis eul(e) aime When m alone I ke faire des promena prendre des selfie faire du vélo aller à la pêche aller en ville écouter de la mus tchatter / poster		es promenades going for walks			bleus blue gris grey verts green			
Normalement pour mon anniversaire	Normally for my birthday	j'aime When			swimming taking selfies going cycling	j'ai tu as il/elle/on a	les yeux eyes	bruns brown marron chestnut noisette hazel			
Je vais au restaurant avec mon ami	l go to a restaurant with my friend	I'm alone I like			le going to town			blonds	courts short		
Il est toujours rigolo	He is always funny				tchatter / poster faire de la cuisine		chatting/posting cooking	vous avez ils/elles ont	les	blonde bruns brown	longs long mi-longs medium- length
et nous jouons au foot ensemble depuis 5 ans	and we have been playing football together for 5 years		faire du footing faire des randonnées jouer au rugby	jogging going hiking playing rugby		cheveux hair	noirs black roux	raides straight bouclés wavy frisés curly			
Cependant, cette année	However, this year		,					red			
J'ai invité mes amis chez moi	I invited my friends to my house			è té ton anniversaire? rate your birthday?			des tâches de rousseur - freckles un bon sens de l'humour - a sense of humour				
et j'ai reçu beaucoup de tee- shirts comme cadeaux	And I got lots of tee-shirts as presents	j'ai fêté mor anniversaire	e le	on	orated my birthday	<u>Être - to be</u> j e suis	assez grand(e)quite tall.très petit(e)very short.de taille moyennemedium height				
Tout le monde a dansé, c'était génial.	Everyone danced, it was great.	j'ai invité mes ami(e)s j'ai ouvert mes cadeaux j'ai reçu un tee-shirt j'ai lu mes messages j'ai mangé du gâteau j'ai bu du coca nous avons fait du bowling nous avons dansé nous avons pris des selfies		I invited my friends I opened my presents I received a tee-shirt I read my messages I ate some cake I drank some cola we did bowling we danced		tu es il/elle/on est nous sommes vous êtes ils/elles sont	sympa nice drôle funny égoïste selfish impatient(e) impatient				
C'est l'anniversaire de Marc ce samedi	It's Marc's birthday this Saturday.										
Il va avoir une fête chez lui aussi.	He's going to have a party at his house too.						timide shy				
Je pense que je vais porter un nouveau tee-shirt!	I think I'm going to wear a new tee-shirt!	je suis allé(-	we took selfies I went to town			agaçante annoying têtu stubborn				

Newsome Academy Year 9 - Mon monde à moi

The aims of the sequence of learning are to ensure that all students can:

- Describe themselves and family in detail.
- Use adjectives accurately to describe people and relationships.

Everyone Exceptional Everyday		 Use adjectives accurately to describe peo Narrate a celebration in the past. 	ple and relation ships.				
Retrieval Practice		Career Focus - Where could this take you?					
Questions	Answers						
Qu'est-ce que tu aimes faire le weekend ? – What do you like to do at the weekend?	D'habitude <u>j'aime jouer au foot</u> avec <u>mes copains</u> . Je trouve ça <u>chouette</u> . Quelquefois j'aime <u>aller en ville</u> mais je n'aime pas <u>faire du vélo</u> . À mon avis, c'est <u>nul.</u>	j	am a vlogger. I use French and German to make videos. Sometimes these are ust for fun and sometimes I use them to teach people how to speak French and German. It is a lot of fun and I need				
Qu'est-ce que tu fais comme activités extrascolaires? - What extra curricular activities do you do?	Après le collège le mardi, je vais au club de <u>danse</u> Le lundi, je chante dans la chorale . J'adore <u>chanter</u> !	t	to be creative to keep my audience watching my content.				
		Challenge Activities	n de la companya de l				
Tu es comment? – What are you like?	Je suis <u>assez grand et mince</u> . J'ai les cheveux <u>blonds</u> <u>et longs</u> et les yeux <u>verts.</u> Je suis <u>très intelligent</u> et je ne suis pas <u>arrogant.</u>	Describe how you get on with some of your friends using the vocabulary below.					
Ton ami(e) est comment? <i>What's</i> your friend like?	Mon ami s'appelle <u>Fred</u> . Il est très <u>timide</u> . <u>Il</u> a les cheveux <u>noirs</u> et <u>courts</u> et <u>il</u> porte des lunettes. Je m'entends bien avec l <u>ui</u> car il est <u>sympa.</u>	Je m'entends bien avec l Je me dispute avec lui/e Je me fâche contre lui/e	ll <mark>e</mark> . I argue with him/her.				
Comment as-tu fêté ton anniversaire?	L'année dernière, j'ai invité mes copains chez moi et nous avons pris des selfies.	II/Elle se fâche contre n	noi. He/She gets angry with me.				
How did you celebrate your birthday?	Après, j'ai ouvert mes cadeaux et j'ai mangé du gâteau. Miam miam.	Topic Links	Additional Resources				
C'était comment? – What was it like?	À mon avis c'était fantastique.	 This topic links to: Greetings and introductions. The present tense of key verbs. 	 To further practise and develop your knowledge see: Active learn tasks www.sentencebuilders.com Review the future tense here 				
Qu'est-ce que tu vas porter? What are you going to wear?							



Year 9 La musique

- The aims of the sequence of learning are to ensure that all students can:
- Give justified opinions about music.
- Use aller + infinitive to talk about future plans.
- Give details about a concert in the past.

- Ask and answer questions in French.
- Pronounce and transcribe key French sounds

Keyword	Definition	Key Concepts	
Tu aimes la chanson?	Do you like the song?	Est-ce que tu aimes la musique?	Phonics and Vocabulary
Pourquoi? Pourquoi pas?	Why? Why not?	J'adore / J'aime la chanson / love / I like the song	• J tion
Qu'est-ce que tu aimes comme musique?	<u>What</u> do you do?	Je n'aime pas / Je déteste la / don't like / l hate the song chanson	La natation
Qu'est-ce que tu n'aimes pas écouter?	What do you not like to listen to?	parce quebecausele chanteur estthe singer (male) isla chanteuse estthe singer (female) is	
Le jazz est plus relaxant que la techno.	<u>Jazz</u> is more relaxing than <u>techno.</u>	le rythme estthe rhythm isla mélodie estthe tune/melody is	Est-ce que tu es allé à un concert?
Le hip hop est meilleur que le rap.	Hip hop is better than rap	la chanson est the song is amusant(e). / démodé(e). fun / old-fashioned. intéressant(e). interesting.	Je suis allé(e) à un concert samedi dernier <i>Saturday</i>
Est-ce que tu écoutes souvent de la musique?	Do you often listen to music?	bon(ne) / nul(le). good / rubbish. ennuyeux/ennuyeuse. boring.	J'ai acheté un billet en ligneI bought a ticket onlineJ'ai acheté une casquetteI bought a cap
Je n'écoute jamais de	I never listen to	Qu'est-ce que tu vas faire à l'avenir?	J'ai retrouvé mes amis au <i>I met my friends at the</i>
Qui est ton chanteur préféré?	Who is your favourite singer?	Je vais faire une tournée avec la chorale. _{chanter} toutes sortes de chansons	stadestadiumJ'ai chanté et j'ai danséI sang and I danced
Qu'est-ce que tu vas faire à l'avenir?	<u>What</u> are you going to do in the future?	to do a tour with the choirto sing all sorts of songsvisiter les États-Unis.prendre beaucoup de photosto visit the USAto take loads of photos	J'ai pris beaucoup de photos <i>I took lots of photos</i> J'ai mangé un hamburger <i>I ate a burger</i>
Je vais + infinitive	I'm going to	to visit the USA to take loads of photos voyager en avion être musicien(ne) professionnel(le)	J'ai bu un coca I drank a cola
Ce sera + opinion.	That will be	to travel by plane to be a professional musician	Je n'ai pas mangé de pizza I didn't eat pizza
Tu es allé à un concert?	Have you been to a concert?	Use expressions of frequency to say how often you do things.	J'ai vu mon groupe préféré I saw my favourite group
Qu'est-ce que tu as fait?	<u>What</u> did you do?	tout le tempsall the timesouventoften	C'était fantastique! It was fantastic!
C'était <u>comment</u> ?	What was it like?	parfoissometimesde temps en tempsoccasionally, from time to timene jamaisnever	



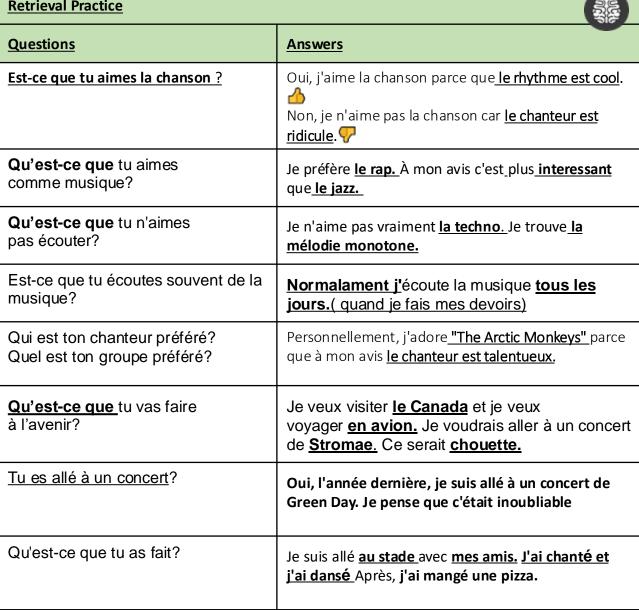
Year 9 La musique

The aims of the sequence of learning are to ensure that all students can:

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- Give details about a concert in the past.

- Ask and answer questions in French
- Pronounce and transcribe key French sounds

Retrieval Practice





Career Focus - Where could this take you?

I work in music marketing and promotion. I have the chance to work all over Europe and even worldwide promoting new music from around the world. It helps me that I can speak another language and understand the customs in that country.

Challenge Activities



- 1) Research some French musicians and groups. Send any recommendations to Mrs Fox via Teams and we can listen to them in class.
- 2) Create a fact file of a French speaking artist. Include as much detail as you can.
- Complete the activities on www.sentencebuilders.com 3)

Topic Links	Additional Resources
 This topic links to: Hobbies The past tense. My future plans. All about me. 	 To further practise and develop your knowledge see: Sentencebuilders Active learn your teacher will give you your login details. https://www.pearsonactivelearn.com/app/home



Newsome Academy Everyone Exceptional Everyday	Year 9 - Hallo			eet in German.	Ask ar	nat all students ounce key phoni nd answer simp heir name age a	ics sounds. le questions			
Keyword	Definition	Key Concepts								
Hallo! Guten Tag	Hello!	Alphabet				💽 ") Pho	onics			
Wie geht's?		A (ah) B (beh)	C (tseh)	(deh) E (eh)	(eff) G(geh)	 	ß	ts	- Z	V - W
wie gent s?	How are you?	H(hah) (ee	e) J(yot) K	(kah)	(emm) N(enn)	Fuß		7	00	W indsurfen
Es geht mir gut danke	I'm fine thank you	O (oh) P (peh)		air) S					00	windsunen
Wie heißt du?	What are you called?	√ (fow)	W (veh)	(iks) (oopsik	(teh) C (tsett)		✓			
Ich heiße <u>Clara</u>	I'm called <u>Clara</u>	Monaten - Mor			on) ((3)	eye	- ei	ee	- ie	/o <i>ch</i> -ch
Wie alt bist du?	How old are you?		Februar	März	April	Ei	s M	sie	ben	Bu ch
lch bin <u>zwölf</u> Jahre alt	I'm <u>12</u> years old		20	VC					y	
Wann hast du Geburtstag?	When is your birthday?					Dates & Da	iys 16 sechze 17 siebze		Farben -	arz 🥑 braun
Ich habe am vierten Juli Geburtstag.	My birthday is on the 4th July.	Mai	Juni	Juli	August	2 zwei 3 drei 4 vier 5 fünf	18achtze19neunze20zwanze21einund	hn	eror gel oran	b 🭎 rosa
Wo wohnst du?	Where do you live?	\$	0	AA	A A A A	6 sechs 7 sieben	22 zweiur 23 dreiun	dzwanzig	d grü	
lch wohne in Huddersfield.	I llive in Huddersfield	September	Oktober	November	Dezember	8 acht 9 neun 10 zehn 11 elf		-	1	Montaig Ag -Miltwoch
Ich bin sehr feundlich und kreativ.	I am very friendly and cretive		3	R		12 zwölf 13 dreizehn 14 vierzehn 15 fünfzehn	28 achtur 29 neunur 30 dreißig	ndzwanzig ndzwanzig	Danne	FREITAG TAG SONNTAG

Newsome Academy Everyone Exceptional Everyday	The aims of the sec Meet and greet Count to 31 Give dates in Ge	Ask and answer simple question	
Retrieval Practice		Career Focus - Where could this take you?	
Questions	Answers		
Hallo! Guten Tag	Hallo! Guten Tag!	clie	m a travel agent. I book holidays for my ents. Having language skills means I can
Wie geht's?	Gut, danke ! ✓ Nicht so gut! 🗙	col arc	t my clients the best deals by mmunicating directly with tour operators bund the world. I also use my excellent mmunication skills and understanding of
Wie heißt du?	Ich heiße <u>Clara.</u>	ho	w to build relationships with people from cultures.
Wie schreibt man das?	<u>tseh- el-ah-air-ah</u>		
Wie alt bist du?	Ich bin <u>zwölf</u> Jahre alt.	Challenge Activities	
Wann hast du Geburtstag?	Mein Geburtstag ist am <u>neunten November</u> . Ich habe am <u>neunten</u> November Geburtstag.		ers, days, months and key phonic sounds. ke a factfile. What do they do? Where do they
Welchen Tag haben wir?	Heute ist <u>Dienstag.</u>		
Was hast du in deiner Tasche?	lch habe <u>einen Bleistift, einen</u> <u>Radiergummi und ein Lineal</u>	Topic Links	Additional Resources
Hast du ein Handy?	Ja, ich habe ein Handy . Nein, Ich habe <u>kein Handy.</u>	 This topic links to other German topics such as Introducing yourself and family. This topic also links to : 	To further practise and develop your knowledge see: • <u>www.sentencebuilders.com</u> • Active Learn
Welche Farbe ist das?	Das ist blau.	Numeracy Geography	You will be given your username and password by your teacher
Auf Wiedersehen.	Tschüss	Literacy	

 Newsome Academy Year 9 – Meine Familie Say how many brothers and sisters they have. Describe their pets. Say what they like and dislike using cognates The aims of the sequence of learning are to ensure that all students can: Describe their personality. Conjugate key verbs in 1st/2nd/3rd person singular, e.g. haben and sein. Understand a traditional celebration in Germany – Weihnachten. 										
Keyword	Definition	Key Concepts:					Phonics	\$.))		
Wie heißt du?	What is your name?	Hast du ein Haus		_			sch	sh	ű	00
Wie schreibt man das?	How do you spell it?	eine Katze	ein Kaninchen		eerschweinchen	eine Maus eine Schildkröte	u u	uh oo	j W	y v
Wie alt bist du?	How old are you?		įį				Numbers	20-100		
Wann hast du Geburtstag?	When is your birthday?	eine Schlange	einen Hamster	eine S	Spinne	einen Vögel	zwan: dreißi vierzi;	3ig	twenty thirty forty	
Wo wohnst du?	Where do you live?	Hast du Geschwis	Hast du Geschwister? – Do you have any brothers or sisters?				fünfzi sechz	zig	fifty sixty	
Hast du Geschwister?	Do you have any brothers and sisters?		Ich habe einen Bruder 🤨 Ich habe eine Schwester 💁 Ich habe zwei Brűder 🤨 🧭 Ich habe zwei Schwestern 💁 💁				siebzi achtz	zig zig	sixty seventy eighty ninety	
Hast du ein Haustier?	Do you have a pet?	b	Einzelkind / Id blau(e) grűn	in (e) gel	ine Geschwis elb (e) onde	iter 🗙	hunde		hundred twenty-c twenty-t	one
Wie bist du?	What are you like?	Ich habe	rot (e) schw		rau (e)	Ich habe Haare	Personalit	ty – Wie bist du Ich bin		
Wie siehst du aus?	What do you look like?		rosa weiß	iß(e) bra	raun(e)		freundlich	friendly	sportlich	sporty
Wie? How?	Most verbs end in -en , e.g. wohnen (to live). For the present tense you	sein (to be) is an im verb, which you nee			raben (to have) verb, which you r	e) is another important I need to learn.	launisch	moody	laut	loud
Was? What? Wo? Where?	replace the -en ending like this: ich wohne I live	ich bin I am du bist you a		ich	ch habe I	l have you have	kreativ	creative	faul	lazy
Woher?Where from?Wer?Who?	du wohn st you live er/sie/es wohn t he/she/it lives	and the second	/she/it is		· · · · · · · · · · · · · · · · · · ·	he/she/it has	intelligent	clever	lustig	funny

Newsome Academy Very very terry Vear 9 – Meine Familie ٠

The aims of the sequence of learning are to ensure that all students can: Say how many brothers and sisters they have.

•

Describe their pets.

• Say what they like and dislike using cognates

•

- Describe their personality. •
 - Conjugate key verbs in 1st/2nd/3rd person singular, e.g. haben and sein.

• Understand a traditional celebration in Germany – Weihnachten.

Retrieval Practice		Career Focus - Where could this take you?	(
Questions	Answers					
Wie heißt du?	Ich heiße <u>Clara.</u>	anim town lang	n a charity worker. I work abroad to help nals, that are mistreated or abandoned in many ns and cities. It helps that I can speak a uage, because I can communicate with local			
Wie schreibt man das?	<u>tseh- el-ah-air-ah</u>	that	ole, tourists and other charity workers. I find t speaking another language has really helped to settle into life in a foreign country and			
Wie alt bist du?	Ich bin <u>zwölf</u> Jahre alt.		ed me to make lots of new friends.			
Wann hast du Geburtstag?	Mein Geburtstag ist am <u>neunten November</u> .	Challenge Activities				
Wo wohnst du?	Ich wohne in Huddersfield.	 Make flashcards for the questions and answers. Use Sentence builders to practise describing yourself and other people. 				
Hast du Geschwister?	Ich habe <u>einen Bruder</u> 🧐 Ich habe zwei Schwestern 🔯 🔯 Ich bin Einzelkind 💢	 Ose sentence builders to practise describing yoursen and other Make a fact file about yourself in German. Include lots of infor including your favourite things. Design your ideal zoo. Say what you have in the crazy zoo and describe each animal. Eg Ich habe eine Katze. Sie ist blau und 				
Hast du ein Haustier?	Ja, ich habe <u>ein Kaninchen. Er ist grau</u> . 🎇 Er	heißt Fifi.				
	heißt Peter. Nein, Ich habe kein Haustier. 💥	Topic Links	Additional Resources			
Wie bist du?	Ich bin <u>kreativ und musikalisch.</u>	 This topic links to other German topics such as: Introducing yourself and family. This topic also links to : 	To further practise and develop your knowledge see:			
Wie siehst du aus?	Ich habe lange braune Haare. Ich habe blaue Augen.	 Numeracy Geography Literacy 	 <u>www.sentencebuilders.com</u> Active Learn - You will be given your username and password by your teacher 			



Computing

Our students will:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- are responsible, competent, confident and creative users of information and communication technology



Y9 Plan a Music Festival

The aims of the sequence of learning are to ensure that all students:

- Demonstrate knowledge of planning techniques and financial literacy by developing a plan for a music
- festival and calculating the estimated profit for the event Demonstrate knowledge of event planning by developing a logical site-plan for the music festival
- Demonstrate knowledge of using Adobe Express by developing a range of professional looking promotional material for the music festival
- Apply knowledge from this unit to accurately describe some keywords

Keyword	Definition	Key Concepts							
Target Audience	The primary group of people that something is aimed at appealing to	Students will be expected to plan a brand new music festival by following project planning and marketing strategies inspired by industry experts.							
Income	The amount of money received for providing goods or services	The tasks include developing a site advertise the music festival.	plan for the festival, managing the f	inances an	nd creating a range of s	social media pos	ts t o		
Expenditure	The amount of money spent to purchase goods or services	Start a New Graphic Select the blue plus button at the top of the	Styles Tabs	(S) Discover	5 0	 Ø I U Download Add your brands 	Share		
Profit	The remaining balance after subtracting the total expenditure from the total income	Working with Images	Post Editor allow you to change the look and feel of your entire graphic project. These tabs are broken up into; the "Design" Tab, the "Colors" Tab, the "Layout" Tab, and the "Resize" Tab.	G Templates T Text	NEWSOME	Design × Match design layout Apply Brand	ବିତ Animation Layout		
Site Plan	A detailed Plan showing the proposed placement of structures, parking areas and open space	Image/Photo- Images can be added by clicking the 'Photo" button. Upload from your device, or use the Search option within Spark for copyright free images. Click 'Icons' to search for simple black & white clip art.	DESIGN Edit the entire visual style of your graphic all at once. Once you select a style all the visual and typographical elements will be based on the template style chosen.	C Shapes Design assets	BEATZ MUSIC FESTIVAL	Variations	Resize		
Digital Project	Products that are both developed and delivered digitally using a computer	To change an image, select it and click Replace To crop an image to a Shape, select it and click Shape Crop	LAYOUT The "Layout" Tab allows you to change the layout of every picture box within a graphic design all at once. This is also where you go to add more picture boxes to your design if needed.	Beckgrounds Logos Libraries	THE BRAND NEW AND BEST MUSICAL FESTIVAL IN THE UK				
Theme	The elements used that create a consistent look and feel for a product	Save your Graphic Once your graphic is finished you can	RESIZE Allows you to change the size of your canvas at anytime during the design process.		Q Q 57% ^ ()				
Promotional Material	Graphical products created to promote and increase the awareness of an event or business	export it two different ways. You can download your graphic to your computer as an image file or pdf. <u>Download</u> • PNG	Add Content You can add text, photos, icons, etcto build your graphic by clicking the 'Add' button T+ * • <	a tracks	BB	NSOME			
Professional Design	A design that aims to replicate the design of something that has been created by a professional	JPG PDF exts Start download	Text- You can start from a template, or from scratch. Set the font, color, style, shape and effect.		1-12-	C FESTIVAL	UK		

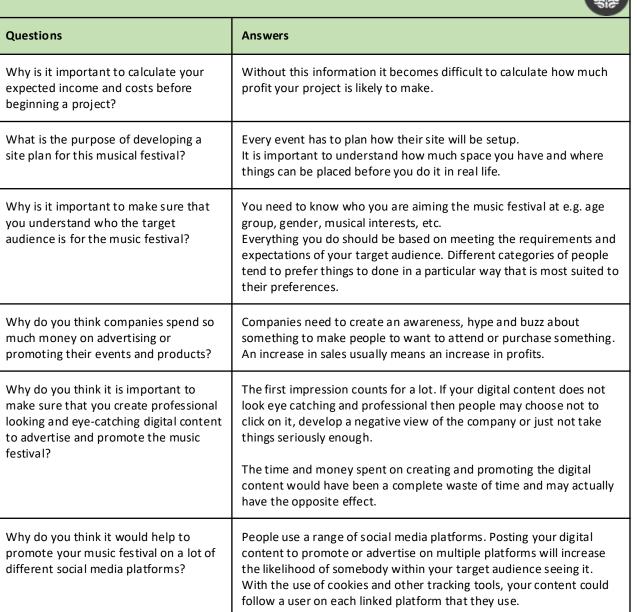


Year9: Plan a Music Festival

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- Apply knowledge from this unit to accurately describe some keywords

Retrieval Practice

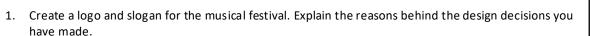






In my role as a **project manager** I ensure my team work to deliver any project on time and to a high standard. I need to lead my team, plan the project, deal with any issues that arise and report regularly to my clients.

Challenge Activities



- 2. Design an app for your music festival include a launch screen, menu screen and at least three other pages. Explain the design, the reasons you have designed the app the way that you have and how you would expect to benefit from creating the app.
- 3. Do some research on the internet to find out what other things a real music festival would need to plan/do before it can go ahead. Rank each task/activity from most important to least important. Explain your rankings.

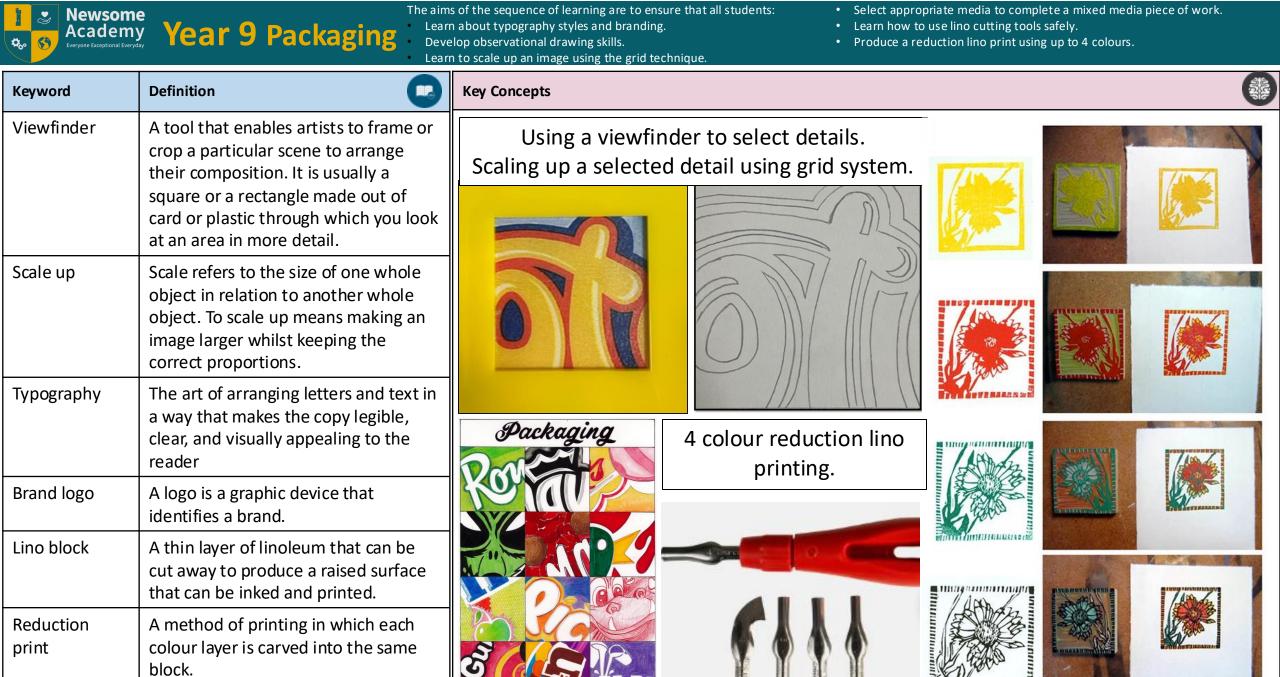
Topic Links	Additional Resources
 This topic links to: <u>Computing Curriculum</u>: Undertake creative projects that involve combining multiple applications to achieve challenging goals Create and re-purpose digital artefacts for a given audience, with attention to trustworthiness and usability Art and design (creating advertisements and images) English (planning thoroughly) 	 To further practise and develop your knowledge see: Adobe Express Tutorial: <u>youtu.be/24rM8v2hAAo</u> MS PowerPoint Tutorial: <u>youtu.be/TZfcVbKJs1E</u>





Our students will:

- > produce creative work, exploring their ideas and recording their experiences
- > become proficient in drawing, painting, sculpture and other art, craft and design techniques
- > evaluate and analyse creative works using the language of art, craft and design
- > know about great artists, craft makers and designers, and understand the historical and
- cultural development of their art forms.
- develop competence to excel in a broad range of physical activities are physically active for sustained periods of time engage in competitive sports and activities
- lead healthy, active lives.





- The aims of the sequence of learning are to ensure that all students:
- Learn about typography styles and branding.
- Develop observational drawing skills.
- Learn to scale up an image using the grid technique.

- Select appropriate media to complete a mixed media piece of work.
- Learn how to use lino cutting tools safely.
- Produce a reduction lino print using up to 4 colours.

Retrieval Practice



Questions	Answers
What is a bench hook?	A piece of wood that hooks on to the edge of a table. It is used to stop lino sliding around as you carve into it.
In what order do you print a reduction lino print?	You start with the lightest colour and print in order to the darkest.
When scaling up, how can you make it easier to draw the correct proportions?	Use a grid system and draw what you see in each square.
Why do many brand logos use complimentary colours?	Complimentary colours make each other stand out. So companies use them in their logos to be eye-catching.
Why should you regularly sit on your lino block?	Your body heat will soften the lino making it easier to carve. Body heat is free and better for the environment than using a heater.
Why do you use two rollers during the printing process?	One roller is used to apply ink to the lino block. A clean roller is used to apply even pressure when printing onto the paper or fabric.

Career Focus - Where could this take you?



My job is a **printer**. I operate various types of printing machines including offset, letterset, and screen printers. I have to work with customers to determine quantities required for print job, and match colours for print job per iob request.

Challenge Activities

Create a viewfinder piece of Art. https://www.youtube.com/watch?v=zjUug6Z1lpg

Grid technique drawing activities https://www.pinterest.co.uk/NewsomeArt/grid-technique-drawing-exercises/

Topic Links	Additional Resources
This topic links to:	To further practise and develop your knowledge see:
 Business – creating a brand image. 	https://www.youtube.com/watch?v=tgKNFJfd78s
 Mathematics – measuring to scale up. 	 https://www.youtube.com/watch?v=32UEx7WM104

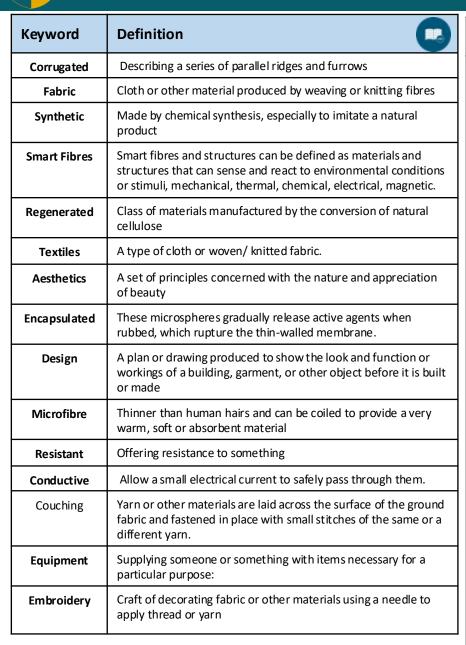
Newsome Academy Everyone Exceptional Everyday Year 9 Textiles

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The aims of the sequence of learning are to ensure that all students:

- Demonstrate safe use of tools and equipment.
- Create a suitable design brief for the clients' needs.
- Create a design specification using Access fm.

• Analyse the work of others and form your own opinions.



Key Concepts







Newsome Academy Everyone Exceptional Everyday Year 9 Recycled storage

The aims of the sequence of learning are to ensure that all students:

• Demonstrate safe use of tools and equipment.

Create a design specification using Access fm.

Create a suitable design brief for the clients needs.

- ipment. Analyse the work of other
- Analyse the work of others and form your own opinions.

Retrieval Practice

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QuestionA1A2A3A4A5A. What is Applique?A Decorative TechniqueA sewing techniqueA type of materialA type of FeltA design techniqueB. What is a Material Life Cycle?The Cycle of SilkwormsThe Cycle of SilkwormsThe Cycle of a SinkwormsThe cycle of a smart FibresThe cycle of a productThe cycle of fibresThe cycle of a DesignC. What is a Design Specification?A list of design solutionsA list of design solutionsA list of costingsA list of costingsA list of design issuesA list of important pointsA detailed list of what the product must be'D. What are Fibres?A thin thread of a natural or synthetic substanceA source of materialAn origin of cottonA type of synthetic fibreA fraving edgeE. What are Decorative Techniques?Methods of decorating the walfsTechniques to improve the designMethods of decorating fabrics.Methods of cottonDecorations treeTechniques to add to shoes treeQuestionQuick Corrections (bridges to improve the designMethods of decorating fabrics.Decorations treeTechniques to add to shoes tree						
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Question Quick Corrections (bridge learning gaps & misconceptions)	F. What are Decorative Techniques?	decorating the	improve the	decorating	to add to a Christmas	
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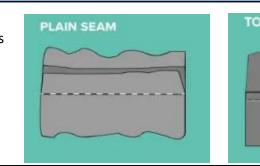
Career Focus - Where could this take you?



A Graphic Designer creates visual images or layouts for their clients. Graphic designers use digital software to create their unique images. A graphic designer can create visuals for a range of media, including social media posts, websites, company logos and print materials.

Challenge Activities

Can you create the seams Opposite? If you have a Sewing machine, it will Make it easy for you. If Not you can sew it by Hand,



TOP STITCHED SEAM

<u>Heat Transfer Printing | textile art | 열전사염 | Basic Part</u>

Topic Links Additional Resources This topic links to: To further practise and develop your knowledge see: • Science- How smart fibres and created and used in end products. To further practise and develop your knowledge see: • English- Subject specific Vocabulary knowledge, understanding and spelling. Technical Textile - Types and Application of Technical Textile - YouTube • Maths- Calculating our own carbon footprint. Textiles Decorative techniques - YouTube

III - YouTube

Newsome Academy Everyone Exceptional Everyday **Year 9 Resistant Materials**

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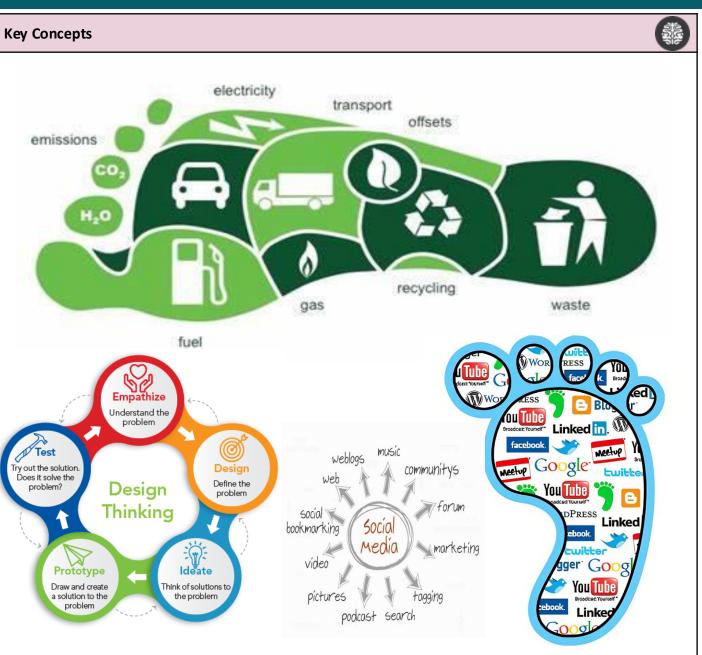
The aims of the sequence of learning are to ensure that all students: • Demonstrate safe use of tools and equipment. Communicate design ideas effectively.

•

Annotate design solutions with manufacturing production in mind.

• Demonstrate an understanding of Prototyping.

Keyword	Definition
Seasonal	Seasoning wood is the process of correctly drying timber in order to remove moisture in the cells of the wood walls.
Specification	an act of describing or identifying something precisely or of stating a precise requirement:
Mass Production	the production of large quantities of a standardized article by an automated mechanical process:
Batch Production	Batch production is a method of manufacturing where the products are made as specified groups or amounts, within a time frame
Ergonomics	Human factors and ergonomics are the application of psychological and physiological principles to the engineering and design of products.
Anthropometric Data	a list of <u>units of measurement</u> based on <u>human body</u> parts or the attributes and abilities of humans
JIT Production	Just-in-time manufacturing tries to match <u>production</u> to <u>demand</u> by only supplying <u>goods</u> which have been ordered and focuses on efficiency,
Continuous Production	Continuous production is a <u>flow production</u> method used to <u>manufacture</u> , produce, or process materials without interruption
Resistor	A resistor is a <u>passive two-terminal electrical component</u> that implements <u>electrical resistance</u> as a circuit
Micro Controller	A microcontroller contains one or more <u>CPUs</u> (processor cores) along with memory and programmable input/output peripherals
Modifications	A change in design/ product which makes it better.
LED	is a light-emitting diode.
PET	most common thermoplastic polymer resin of the polyester family
Poly Propylene	a thermoplastic polymer used in a wide variety of applications.
HDPE	thermoplastic polymer produced from the monomer ethylene





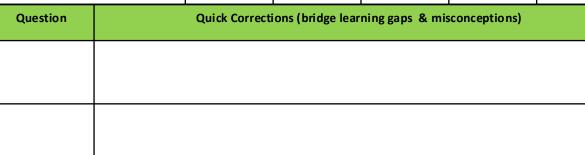
The aims of the sequence of learning are to ensure that all students: Demonstrate safe use of tools and equipment. Communicate design ideas effectively.

Annotate design solutions with manufacturing production in mind.

• Demonstrate an understanding of Prototyping.

Retrieval Practice

Question	A1	A2	A3	A4	A5
A. What is rethinking?	Designing	Making	Discarding	Creating	Upscaling
B. What is reusing?	Maintaining	Discarding	Making	Upscaling	Creating
C. What is recycling?	Creating	Upscaling	Discarding	Making	Collecting
D. What is repairing?	Making	Fixing	Creating	Discarding	Upscaling
E. What is reducing?	Discarding	Making	Imprint	Creating	Upscaling
F. What is refusing?	Creating	Discarding	Upscaling	Morals	Making
G. What is mass production?	Detailed	Maintenance	Rapid	Thousands	Expensive
H. What is batch production?	Hundreds	Detailed	Detailed	Maintenance	Rapid
I. What is one off?	Maintenance	Rapid	Expensive	Detailed	Singular
J. What is continuous?	Expensive	Ongoing	Maintenance	Rapid	Detailed
K. What is seasonal?	Rapid	Expensive	Monthly	Maintenance	Tho us and s
L. What does the JIT process provide?	Expensive	Tho us an ds	Rapid	Efficiency	Maintenance







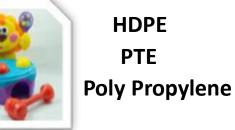
Career Focus - Where could this take you?

I am an architect, and my studies taught me creativity, problem-solving, and attention to detail. These skills are essential in my job because they help me design buildings that are both beautiful and functional, carefully choose materials, and create accurate, detailed plans that ensure the structures are safe and effective.

Challenge Activities- Can you match the correct product to material?

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Topic Links

This topic links to:

- Science- The creation of Plastics.
- English-Subject specific Vocabulary knowledge, understanding and spelling. Math's- Measurements and scales of
- productions.

181

To further practise and develop your knowledge see:

https://youtu.be/iO3SA4YyEYU

Additional Resources

https://voutu.be/ 6xINvWPpB8

https://voutu.be/elSJ33Scrnc



Year 9 Food Tech

The aims of the sequence of learning are to ensure that all students:Successfully apply knowledge of food legislation when applied to

 Successfully apply knowledge of food legislation when applied to case studies Recall a range of factors that inform food choices Demonstrate ability to effectively adapt recipes for a range of food choice factors

Keyword	Definition	Key Concepts	
Legislation	rules or laws relating to a particular activity that are made by a government	The Food Standards	Food Standards Act 1000
FSA (food standards agency)	responsible for food safety and food hygiene in England, Wales and Northern Ireland.	Agency (FSA) is responsible for food safety and food hygiene	Food Standards Act 1999 The Act was introduced in the House of Commons in 1999. It sets out our main goal to protect public health in relation to
Food safety act	The Food Safety Act 1990 is a vital part of environmental law and is an act that all food businesses in the UK must comply with.	in England, Wales and Northern Ireland. It	food. It gives us the power to act in the consumer's interest at any stage in the food production and supply chain.
Adaptation	Changing the ingredients or cooking methods of a dish in some way	works with local authorities to enforce	Food Safety Act 1990
Shortening	Shortening is any fat that is a solid at room temperature and used to make crumbly pastry and other food products.	food safety regulations and its staff work in meat the main responsibilities for all food businesses covered are to ensure that:	The main responsibilities for all food businesses covered by the Act are to ensure that: • businesses do not include anything in food, remove anything
Aeration	Aeration is the process of adding very tiny pockets of air to something. In the case of fats and oils, this is normally done using mechanical/physical means, such as creaming a mixture together using a wooden spoon or using an electric whisk.		
Coagulation	Coagulation is defined as the change in the structure of protein (from a liquid form to solid or a thicker liquid) brought about by heat, mechanical action or acids. Enzymes may also cause protein coagulation e.g. cheese making.		
Food choices	Calcium is a mineral your body needs to build and maintain strong bones and to carry out many important functions.		
Dietary needs	Carbohydrates provide energy for the body. The body breaks carbohydrates down into glucose, which is the primary energy source for the brain and muscles.	Vegan	HALAL Lactose-free Contains fish and shellfish Peanut-free
Coeliac	Coeliac disease is a condition where your immune system attacks your own tissues when you eat gluten.		
Lactose intolerance	Lactose intolerance is when you get symptoms, such as tummy pain, after eating food containing lactose, a sugar found in dairy products.	Gluten-free	Low Fat Soy-free Contains nuts No added sugar
Allergy	An allergy is a reaction the body has to a particular food or substance.		
Intolerance	an inability to eat a food or take a drug without adverse effects.		
Vegan	Veganism is the practice of abstaining from the use of animal product—particularly in diet—and an associated philosophy that rejects the commodity status of animals.	Kosher	Vegetarian No added salt Contains eggs Spicy
Ethics/ethical	relating to beliefs about what is morally right and wrong		



Year 9 Food Tech

- The aims of the sequence of learning are to ensure that all students:
- Use safe and hygienic practices in a working kitchen environment Demonstrate sound preparation skills of both equipment and

ingredients

Safely use a range of cooking techniques, appropriate to the task

Shortbread



Ingredients:

Skills:

•200 g plain flour, plus extra for dusting •50 g caster sugar, plus extra for sprinkling over •125 g unsalted butter

Equipment: Mixing bowl Wooden spoon Greased baking tray Cookie cutter

Career Focus - Where could this take you?



I am a food critic and I analyse the food and restaurants around the country and write about them in newspapers, magazines and blogs.

Challenge Activities

Try some of these recipes at home Follow the links

- Swiss Roll .
- Lasagne
- **Breakfast Muffins**

Food skills are acquired, developed and secured over time

Bridge hold

Claw grip



Method:

- 1. Preheat the oven to 170°C/325°F/gas 3.
- 2. Mix the flour and sugar together in a mixing bowl.
- 3. Rub in the butter with your thumb and forefinger. Don't knead it, you just want to pat it down flat.
- 4. Push or roll it out until it's 1cm thick on a floured surface cut out your shapes and then put onto your baking sheet
- 5. If it splits or tears, just press it back together but remember, the less you work the dough, the shorter and better these biscuits will be.
- 6. Put into the middle of your preheated oven for 20-25 minutes until golden brown.
- 7. Allow to cool.

At home:

Dip them into melted chocolate or add toppings and icing onto the top

Meanings

- 1. General Practical Skills: Weighing ingredients, measuring, preparing ingredients and equipment, correct cooking times, testing for readiness and sensory testing.
- Rubbing in method: rubbing in butter with sugar 2. and flour to create a workable dough
- Cutting out: Using the cookie cutters to create 3. biscuits
- 4. Use of the cooker (and Skills 6: Cooking Methods): Using the cooker including: the hob, grill and oven.
- 5. Cooking Methods: Using the cooker including: the hob, grill and oven.
- 6. Preparing, combine and shape: Techniques to prepare, cook and combine different ingredients.



Newsome Academy Everyone Exceptional Everyday

The aims of the sequence of learning are to ensure that all students:

Use safe and hygienic practices in a working kitchen environment
 Demonstrate sound preparation skills of both equipment and ingredients

Safely use a range of cooking techniques, appropriate to the task

Vegetable Samosas

Ingredients

1/2 potato
1/2 carrot
1/2 onion
1x15ml spoon fresh coriander
½ red chilli
Spray oil
1x5ml spoon garam masala
½ 5ml spoon turmeric
2-3x15ml spoons water
25g peas (frozen)
1 pack filo pastry
25g butter or soft spread

Method:

- . Preheat oven to 200°C or gas mark 6.
- Prepare the filling:
- peel and finely dice the potato;
- peel and finely dice the carrot;
- peel and finely dice the onion;
- deseed and finely dice the chilli;
- chop the coriander.
- 1. Par-boil the potatoes for 5-8 minutes.
- 2. Fry the onion in the oil for 4-5 minutes.
- 3. Add the chilli and spices and cook for a further 1 minute.
- 4. Drain the potatoes and carrots in a colander.
- 5. Add the potatoes, carrots and water to the onion mixture, fry gently for 5 minutes.
- 6. Add the peas and coriander.
- 7. Remove from the heat and allow to cool.
- 8. Lay 2-3 sheets of filo pastry on the work surface.
- 9. Cut into 10 cm wide strips.
- 10. Place 1x15ml spoon of filling in the bottom left-hand corner. Fold over to make a triangle. Repeat this process.
- 11. Place on a baking sheet and repeat the process.
- Lightly spray the samosas with oil, or brush with the fat, and bake for 10 minutes.



Skills:

Equipment: Chopping board Knife Vegetable peeler Saucepan Frying pan Colander Wooden spoon Small bowl Pastry brush Baking tray.

<u>Meanings</u>

- 1. General Practical Skills: Weighing ingredients, measuring, preparing ingredients and equipment, correct cooking times, testing for readiness and sensory testing.
- 2. Knife and chopping skills
- 3. Use of the cooker (and Skills 6: Cooking Methods): Using the cooker including: the hob, grill and oven.
- 4. Cooking Methods: Using the cooker including: the hob, grill and oven.
- Preparing, combine and shape: Techniques to prepare, cook and combine different ingredients.

INGREDIENTS

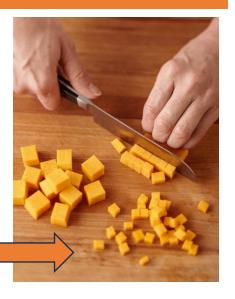
For this recipe, you only need to bring in the following ingredients, but you **must chop the vegetables at home into a small dice**

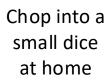
- 1 small potato
- 1 small carrot
- 1 small onion
- 25g peas

1 pack **filo** pastry (available from larger supermarkets) or spring roll type pastry sheets (available from Asian supermarkets)

School will provide the spices and extra ingredients









Year 9 Food Tech

- The aims of the sequence of learning are to ensure that all students:
- Use safe and hygienic practices in a working kitchen environment
 Demonstrate sound preparation skills of both equipment and ingredients

Safely use a range of cooking techniques, appropriate to the task

Chicken Alfredo



Ingredients:

You will need to bring in:

- 4 skinless boneless chicken thighs, cut in half
- 300g pasta
- 200ml double cream
- 100g parmesan (or any Italian hard cheese)
- A large plastic container

School will provide:

- 1 tbsp olive oil
- 1 tbsp butter
- ½ a nutmeg, grated
- parsley, chopped, to serve

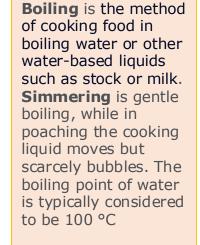
Method:

- 1. Chop your chicken thighs using correct technique and a red chopping board
- 2. Heat the oil in a non-stick frying pan over a medium high heat.
- 3. Add the chicken thighs and fry for around 10 mins, turning halfway, until they are golden brown and cooked through.
- 4. Set aside to cool a little, then use two forks to shred them on a plate or in a bowl
- 5. Bring a pan of salted water to the boil and add the pasta, cook for 8-10 minutes until al dente.
- 6. Whilst the pasta is cooking, add the butter to the frying pan over a medium heat, scraping the bottom a little to get any of the browned bits. Tip in the cream along with the nutmeg and bring to a simmer. Add the chicken back to the pan.
- 7. Once the pasta is cooked, use tongs or a slotted spoon to transfer the pasta straight from the water into the frying pan with the cream mixture.
- 8. Sprinkle most of the parmesan over and use the tongs/spoon to toss it all together, adding a splash of the pasta water if it looks a little stiff. Season well, then tip into bowls. Top with the remaining parmesan, a scattering of parsley, and black pepper.



Seasoning means to bring out or intensify the natural flavour of the food without changing it.

The most common seasonings are salt, pepper, and acids (such as lemon juice).



Slotted

Spoon



Tongs



Year 9 Food Tech

The aims of the sequence of learning are to ensure that all students:

Use safe and hygienic practices in a working kitchen environment
 Demonstrate sound preparation skills of both equipment and ingredients

Safely use a range of cooking techniques, appropriate to the task

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### Ingredients:

- 250g self-raising flour
- 2 x 5ml spoons baking powder
- 100g caster sugar
- 230ml semi-skimmed milk

- 1 egg
- 60ml oil
- 150g canned fruit, drained
- *** container with a lid ***



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Equipment:	
Weighing scales	Cake cases
Large bowl	Patty tin
Measuring spoons	Can opener
Measuring jug	• 2 metal spoons
Wooden spoon	Cooling rack
Chiller M	

<u>Skills:</u>	Meaning	
1.	<b>General Practical Skills:</b> Weighing ingredients, measuring, preparing ingredients and equipment, correct cooking times, testing for readiness and sensory testing.	
2.	Knife skills: Can use equipment safely. Slicing, dicing and chopping	
3.	<b>Preparing fruit and vegetables:</b> I can prepare fruit and vegetables in many ways: Slicing, peeling, grating, dicing and chopping.	
4.	Use of the cooker (and Skills 6: Cooking Methods): Using the cooker including: the hob, grill and oven.	
6.	<b>Cooking Methods:</b> Using the cooker including: the hob, grill and oven.	
7.	<b>Preparing, combine and shape:</b> Techniques to prepare, cook and combine different ingredients.	
11.	<b>Raising Agents:</b> Use of raising agents including eggs, chemical, steam and biological.	

### Method:

- 1. Preheat the oven to 180°C or gas mark 4.
- 2. Mix all the ingredients together to form a smooth batter.
- 3. Stir in the fruit.
- 4. Divide the mixture equally between the cake cases using 2 spoons.
- 5. Bake for 20 25 minutes, until golden.
- 6. Allow to cool on a cooling rack.

### Top Tips:

Vary the type of fruit you use. Try bananas, cherries or blueberries. Experiment with different spices, such as cinnamon, ginger or mixed spice.

Newsome Academy Everyone Exceptional Everyday	Year 9 – Reggae	<ul> <li>The aims of the sequence of learning are to ensure that all students:</li> <li>To apply and evaluate with confidence - appropriate musical vocabulary through the MAD TSHIRT mnemonic.</li> <li>To be able to aurally identify musical features from Three Little Birds and the wider Reggae genre. As well as the music that developed because of it.</li> <li>To be able to perform Three Little Birds on the keyboard, using appropriate instrumental technique.</li> </ul>		
Keyword(s)	Definition			
<b>\$</b>		Key Concepts – Regga	ie	
Melody	The main layer or tune of a piece	Three Little Birds: Tonality	One Drop drum beat	Syncopation
Articulation	The way the notes are played – long and smooth or short and detached Legato – Long and smooth	Three Little Birds is in a <b>Major key.</b>	A common <b>drum beat</b> in Reggae music is the <b>One Drop drum beat</b> . It emphasises beat <b>three</b> of the bar.	Offbeat rhythms/patterns. The <b>ska rhythm</b> uses syncopation.
Dynamics 🍎	Staccato – Short and choppy. How loud or quiet the sound is	Ska Rhythm A Ska rhythm is used in Three Little Birds, which means that all of	Metre/Time Signature Three Little Birds is in 4/4, meaning each bar has 4 crotchet beats.	<b>Texture</b> Three Little Birds has a <b>homophonic</b> <b>texture</b> .
Texture	<ul> <li>The layers that make up a piece</li> <li>Monophonic – Single layer on its own.</li> <li>Homophonic – One melody with accompaniment.</li> </ul>	the chords are played on beats 2 and 4.		Homophonic – One melody and accompaniment (during the verse sections)
	<ul> <li>Polyphonic – More than one melody at the same time.</li> </ul>	<b>Riff</b> A repeating pattern in popular	Word setting	Syllabic
Structure	The way the music is put together in sections. E.g. – Verse, Chorus, Bridge.	music. The riff is played on the electric Organ in Three Little Birds and uses <b>legato</b> articulation.	How the words are set to the music (how they are sung).	Singing one note per syllable. Most of the time, when you hear singing in a song, it is syllabic.
Harmony and	Harmony: The chords and scales that accompany the melody.	Performance Forces in Reggae	Vocalisation	Dub Music
Tonality 	<i>Diatonic</i> Harmony – Chords and scales that blend well together. <i>Dissonant</i> Harmony – Chords and scales that clash with each other.	In <b>Reggae</b> music you often hear:	Wordless singing	<b>'Dub'</b> is an abbreviation of 'double'. Dub music takes an existing recording of
	<b>Tonality</b> – Whether the music is in a Major $\ensuremath{\textcircled{O}}$ or Minor $\ensuremath{\textcircled{O}}$ Key.	Vocals / Drum Kit / Electric Guitar / Organ and Electric Bass Guitar.	<b>Melisma</b> Singing more than one note per syllable.	Reggae music and remixes it. It usually emphasises the drums and bass, which makes it good to dance to.
		<u>Studio FX - Delay</u>	<u>Studio FX - Reverb</u>	<u>Riddim</u>
Instrumentation/ Performance Forces	The <b>instruments</b> or <b>voices</b> used to perform a piece.	Delay repeats a sound back shortly after it is first played	Reverb gives a 'fuller' sound as though the music is being played	The stripped-down version of just drums and bass is known as the 'riddim' in Dub
נתנת Rhythm יתנת	The <b>note values</b> used	creating an 'echo' effect	in a larger room or space.	Music
Tempo	The <b>speed</b> of the beat			Dub music uses a lot of <b>syncopation</b> (off beat rhythms) and because it remixes Reggae Music, often has a one drop drum pattern (which emphasises beat three)



The aims of the sequence of learning are to ensure that all students can:

- apply and evaluate with confidence appropriate musical vocabulary through the MAD TSHIRT mnemonic.
- aurally identify musical features from Three Little Birds and the wider Reggae genre. As well as the music that developed because of it.
- perform Three Little Birds on the keyboard, using appropriate instrumental technique.

### **Retrieval Practice**

Firstly, make sure you have **memorised** the definitions for all the keywords we use in music: Melody / Articulation / Dynamics / Texture / Structure / Harmony and Tonality / Instrumentation and Forces / Rhythm / Tempo.

Using your knowledge organiser you must:

- Look, cover and check.
- Have somebody else test you.
- Make flash cards to test yourself.

Questions	Answers	
What is a ska rhythm (used in all Reggae music)?	A rhythm that emphasises beats 2 and 4 of each bar.	
What is the tonality of Three Little Birds?	Major tonality	
What is a riff?	A repeating pattern in popular music	
What keyboard instrument is commonly heard in Reggae music?	Electric Organ	
What is the time signature of Three Little Birds?	4/4	
What type of word setting can be heard on the word ' <i>You</i> ' in Three Little Birds?	Melisma	
What type of texture is used throughout Three Little Birds?	Homophonic (one melody and accompaniment)	
Identify three specific features of rhythm used in Three Little Birds.	One Drop Drumbeat / Syncopation / Ska Rhythm	
What style of Electronic Dance Music developed after Reggae (and uses remixed version of Reggae songs).	Dub Music	
What type of articulation is used when performing the ska rhythm?	Staccato	
What type of articulation is used when performing the riff?	Legato	



Career Focus - Where could this take you?

We are all session musicians. We have developed our instrumental skill to such a high level that we are employed to perform in the studio (and on stage) for other artists.

### **Challenge Activities**

Why not try developing your instrumental skills further? Come along to Music Club and try the following Reggae performance skills:

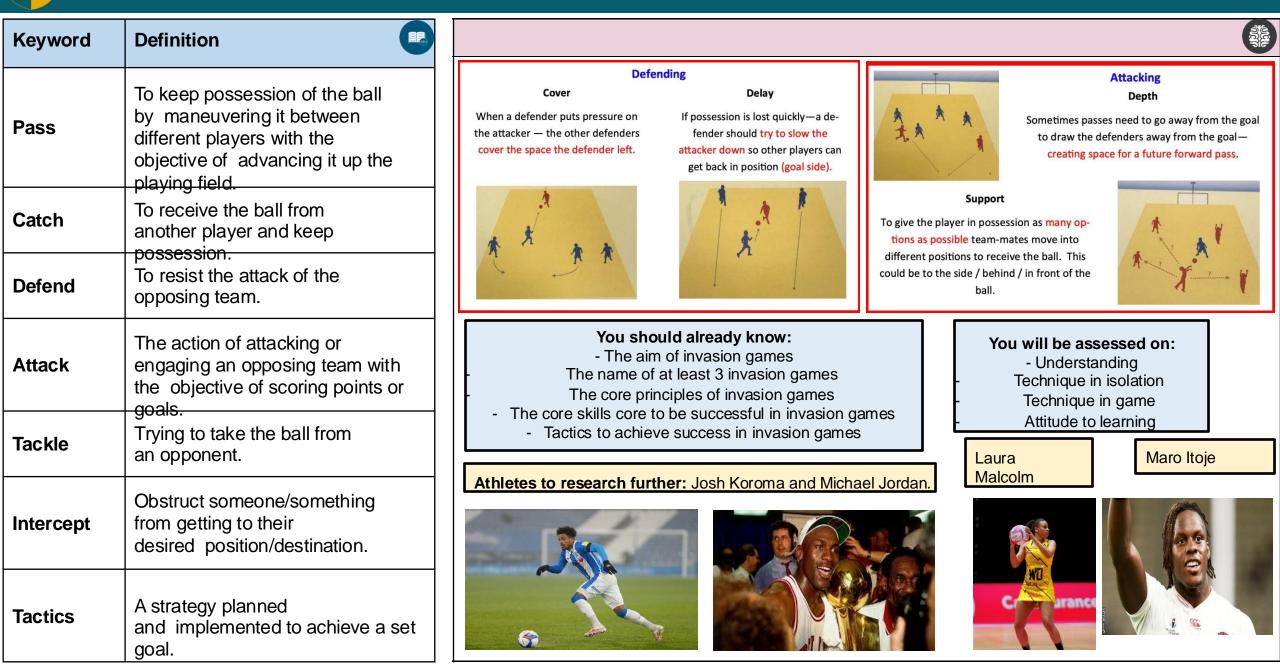
> One Drop Drumbeat

Ska rhythm on an electric guitar (applying staccato articulation and barre chords).

Topic Links	Additional Resources
This topic links to:	To further practise and develop your knowledge see:
<b>History</b> – Reggae music is deeply rooted in the Rastafari movement and	<u>BBC KS3 Music – Reggae</u>
the history that comes with it. Also, Reggae and in particular Dub Music	GCSE BBC Bitesize - Reggae
has its developmental roots in Huddersfield.	

Newsome Academy Everyone Exceptional Everyday Year 9 Invasion Games The aims of the sequence of learning are to ensure that all students:

- Can identify core skills and processes
- Can demonstrate core skills in isolation with accuracy and competence
- Can demonstrate core skills in a competitive game with accuracy and competence



### Newsome Academy Everyone Exceptional Everyone Everyone Exceptional Everyone

The aims of the sequence of learning are to ensure that all students:

• Can identify core skills and processes

- Can demonstrate core skills in isolation with accuracy and competence
- Can demonstrate core skills in a competitive game with accuracy and competence

### **Retrieval Practice**

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Questions	Answers
What are the core Netball and Basketball skills?	Chest pass, Bounce pass, Shoulder pass, Overhead pass, Two-footed landing, One-footed landing, Shooting, Pivot, Man Marking, marking the space, Dodging and spinning.
What are the Netball positions?	Goalkeeper, Goal defence, Wing defence, Centre, Wing attack, Goal attack and Goal shooter.
What are the core football skills?	Dribbling close to feet, Dribbling changing direction with speed, Passing side foot (close distance), Passing on laces (long distance), Defending (man to man), Defending ( <b>line</b> <b>defending</b> ), <b>Offside trap/rule</b> , Attacking (two versus one), <b>Attacking (channels)</b> and <b>Throw ins.</b>
What are the core Rugby skills?	Target with hands out, Push pass, <b>Spin pass</b> , Catch and pass, Protecting, Holding, <b>Contact</b> <b>tackling</b> , Side-stepping, <b>Spinning</b> , Attacking (line speed), Attacking (creating an overlap), Defending (line and movement) and Defending ( <b>moving 10</b> <b>yards</b> ).

### Career Focus - Where could this take you?



I am a team nutritionist and it is my role to develop meal and dietary plans to suit athletes' individual goals, performance and body types. My job also involves educating athletes on hydration, meal timing, and making healthy food choices, helping them stay at peak fitness and achieve their best results in competition.

### **Challenge Activities**

- 1. Create a mind map of the differences between netball, basketball, football and rugby components of fitness an invasion games player needs.
- 2. Answer the following question: What component of fitness is most important to an invasion games player and why?

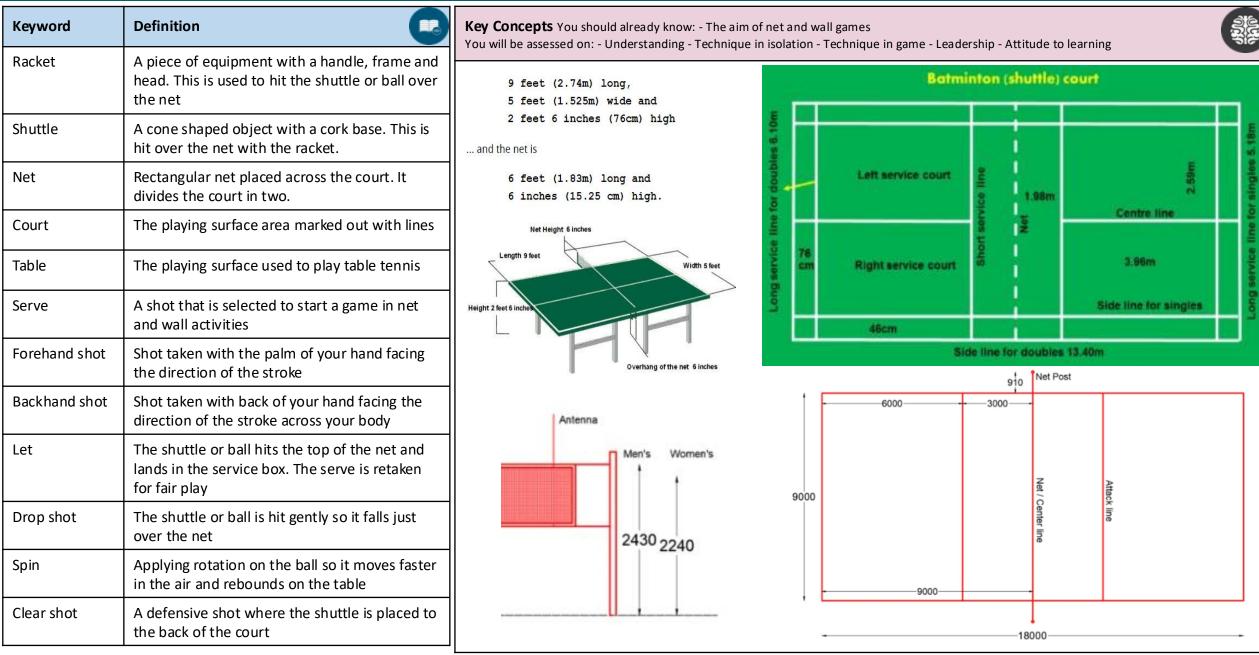
Topic Links	Additional Resources
This topic links to:	To further practise and develop you knowledge see:
Science – movement of the body and muscles; the physics of sports	<ul> <li>https://web.uvic.ca/~thopper/WEB/Cahperd/Space _in_InvasionGames.pdf</li> </ul>
English – understanding and defining key terminology	<ul> <li><u>https://www.theukrules.co.uk/rules/sport/netball/in</u> _dex.html</li> </ul>
Mathematics – problem solving, recording figures and analysing performance	
Voice 21 – coaching peers	



# Year 9 Net and Wall Games

The aims of the sequence of learning are to ensure that all students:
Can identify at least five core skills required for net and wall games
Demonstrate core skills in a practice situation

• Demonstrate core skills in a game situation



Newsome Academy Everyone Exceptional Everyday

The aims of the sequence of learning are to ensure that all students:

• Can identify at least five core skills required for net and wall games • Demonstrate core skills in a practice situation • Demonstrate core skills in a game situation • Lead a small group of peers in a skill practice session

### **Retrieval Practice**

Questions	Answers	
What are some of the core skills needed for attacking in badminton and why are they important?	<ol> <li>Smash shot is a core skill and the aim is to hit the shuttle as hard as possible to the oppositions side of the court floor so they are unable to return the shot due to the velocity (speed and direction) placed on the shuttle.</li> <li>The long serve is a core skill for attacking in badminton. The aim is to send the opponent to the back of the court so they find it more difficult to return the shuttle back to you. If the shuttle is returned, it shall usually be a high return giving (you) the attacker time to react by selecting the smash shot in order to win the next point.</li> </ol>	
What are some of the core skills needed for defending in badminton and why are they important?	<ol> <li>The overhead clear shot is used in a rally situation so that you force your opponent to move to the back of the court. This then allows you time to get prepared into a better court position and to apply attacking tactics to win the next point.</li> <li>The drop shot is a gentle forehand or backhand shot that applies little force to the shuttle so it drops just over the net. This is usually a defensive shot as it slows down the speed of the rally. It does however have an advantage of attacking if your opponent is at the back of the court. The shot can force your opponent to move and make an error.</li> </ol>	
<ol> <li>What are some of the core skills needed for attacking in table tennis and why are they important?</li> <li>Top spin forehand drive shot is a fast open palm shot facing the direction or stroke. By placing top spin on the ball, the balls rotation means it travels fa through the air and recoils off the table meaning that the opponent will fin hard to react to return the shot successfully. This means you are more likel the point in a game.</li> <li>Back spin forehand or backhand shot is skill that is designed to slow down the speed of a rally in table tennis. It forces the ball to gently land just over the and stop dead. This means the opponent has to move quickly forward from back of the table to the front of the table.</li> </ol>		
What are some of the core skills needed for defending in badminton and why are they important?	<ol> <li>Backhand push shot and the forehand push shot are two skills designed to slow down the speed of a rally in a game. This gives the person more time to react to the next shot so they can have time to think about where they want to place the ball when they are in a better attacking position so they can then try to win the next point.</li> </ol>	

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### Career Focus - Where could this take you?





I am a badminton umpire. My role involves understanding the rules, making quick and fair decisions, and clearly communicating with players. These skills ensure that I can effectively manage matches, uphold the standards of the game, and maintain a fair and enjoyable playing environment for everyone.

### **Challenge Activities**



### Design a skill card:-

This can be used in a PE lesson to help a student to assess their current ability level. The skill card should have basic key instructions and diagrams that you have learnt from badminton or table tennis.

### Create a rules of the game poster:-

This can be used by all students in their PE lessons for badminton or table tennis when their role is umpiring a game so that all games can be played fairly following RITA values.

Topic Links	Additional Resources
This topic links to: •Science –The role of the cardiovascular system; the	To further practise and develop your knowledge see:
<ul> <li>Physics of sports</li> <li>English –understanding and defining key terminology</li> </ul>	https://www.badmintonengland.co.uk/
<ul> <li>Mathematics –problem solving, recording figures and analysing performance and score keeping</li> <li>Voice 21 –coaching peers and explaining rules by</li> </ul>	https://www.tabletennisengland.co.uk/
officiating	

### Newsome **Year 9 Health and Fitness** Academy

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- The aims of the sequence of learning are to ensure that all students:
  - Show Knowledge and understanding of more advanced key concepts
  - Demonstrate safe working practice
  - Apply knowledge and practice in a fitness programme.

Definition Keyword Key Concepts You should already know: - Some components of fitness and be able to apply them to a healthy and active lifestyle You will be assessed on: - Understanding - Technique - Application - Leadership Power This is the ability to perform maximum strength and maximum speed of your muscles in order to generate forces to move an SPECIFICITY The Principles of Training (SPORT) is used to create a object or propel yourself forward. Training programmes must be specific to the training programme that is designed to improve a Power = strength x speed. needs of the sport and the performer. persons performance over time. Co-ordination The ability for muscles to work together in pairs to move different For example, the training needs of a cross country runner will be different from those body parts at the correct time with ease and efficiency. What ways can you see how changed have been of a weight lifter. made in the programme below. PROGRESSION The time taken for a person to respond and initiate movement to **Reaction Time** a stimulus (object or person or sound). 1.-3. To improve and continue to develop, the training programme must be made progressively harder. Week Agility The ability to change direction at speed in a controlled movement As the athlete/performer becomes fitter the Action/ without loosing balance. Action training needs to be made more difficult. Repetition Repetition The ability to maintain your centre of mass and control of sports Balance OVERLOAD 20 sec x 3 performance either statically (stationary) or dynamically (moving). Jump Squat 35 sec x 3 To become fitter the body must work harder than normal. repetition This can be achieved by applying the COOO principles: Alternate Legs Jump 20 repetition 25 repetition The rate at which a person moves as fast as possible to cover a Grequency - how often do you exercise? Speed ntensity - how hard do you exercise? distance over the shortest time possible. Speed=distance/time. 35 repetition Squat 25 repetition ime - how long do you exercise for? Chunch 35 repetition 30 repetition gype - is the exercise suitable for your sport? Cardiovascular The ability for the heart and blood vessels to transport 30 sec x 2 REVERSIBILITY 25 sec x 2 oxygenated blood to the working muscles in sports performance. endurance Lying Twist Trunk repetition repetition The performer can work at a moderate level of intensity for a long Exercise improves fitness. If we stop exercising our period of time without getting fatigued (tired). fitness levels will drop. 30 sec x 3 35 sec x 3 Lunge repetition repetition If we train, our muscles get bigger (hypertrophy). Muscular This is the maximum force that can be applied from muscles in Alternatively, if we stop training, our muscles get 40 sec x 2 30 sec x 2 order to overcome resistance (external force) so that movement strength smaller (atrophy). Side Plank can take place. repetition repetition TEDIUM 30 sec x 2 40 sec x 3 The ability for muscles to work in a repeated muscular action in Muscular Burpee unison at moderate intensity for a long period of time without repetition repetition endurance Training must be varied to ensure the them getting fatigued (tired). athlete/performer maintains motivation. 30 sec x 2 40 sec x 2 Mountain Climber repetition repetition If the same activity is performed frequently, This is the range of movement that can be performed around a Flexibility training will become repetitive and boring. Twist With Medicine 45 sec x 2 30 sec x 3 joint by the muscles, ligaments and tendons without any pain or Ball repetition repetition over stretching. **REMEMBER** - To avoid injury, all training programmes should include a full warm up and cool down. Body This is the combined total percentage of fat, bone and muscles ratio (amount) made up by a persons body. composition



7.-8.

Week

Action/

Repetition

40 sec x 3

repetition

25 repetition

25 repetition

30 repetition

25 sec x 3

repetition

30 sec x 3

repetition

35 sec x 3

repetition

35 sec x 3

repetition

35 sec x 2

repetition

30 sec x 3

repetition

4.-6.

Week

Action/

### Newsome Academy Everyone Exceptional Everyday Year 9 Health and Fitness

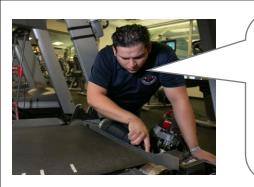
- The aims of the sequence of learning are to ensure that all students:
- Show Knowledge and understanding of more advanced key concepts
- Demonstrate safe working practice
- Apply knowledge and practice in a fitness programme.

### **Retrieval Practice:**

Match the word banks to the for a correct explanation on the methods of training

Questions: Use the word banks below:	Answers: Use the words to match to create the correct sentence for each method of training.	
times rest activity swimming time week aerobic	Continuous training: Continuous Training involves performing an for an extended period of without (often longer than 20 minutes). Activities might be jogging,, cycling, walking or rowing and should be completed at least 3 or 4 a to improve endurance.	
Pace Repetitions Resistance Hill Striding Standing walking	Acceleration Sprints Acceleration sprints involve changing the of the sprint and gradually increase speed from a or rolling start to jogging, followed by and a maximum sprint. Different drills can be used such as drills and sprints where speed is the focus. This type of training requires regular rest intervals of jogging or that is used in between	
strength stronger weights stress tears fibres size hours repair	Weight training Weight Training is an effective way to improve, this is done by free or resistance machines to place on certain muscles. As the muscle works lifting weights, small occur in between individual muscle which naturally over 24 so that they become bigger and This also leads to increases in and strength of the overall muscle.	

# Career Focus - Where could this take you?



My career is known as a gym fitness technician. My role is to visit gyms within a designated area and make sure all the equipment is safe and in a good working condition. This is so that the people using the equipment can exercise and avoid any injuries. If the equipment has stopped working, I have to investigate the problem. I order new parts and repair them so the machines can be used again.

### **Challenge Activities**



### Design a training programme:-

Can you create a 4 week training programme that shows 5 different exercises that get progressively harder each week. Use the example provided on the previous page for guidance.

### Create a match the keywords to definition poster:-

This can be used by all students in their PE lessons as memory recall revision task. Select between five to eight different key words and match them to the correct definition answers. Make sure on the reverse of your skill card you have included the correct answers so students can test and assess themselves and others.

Topic Links	Additional Resources
This topic links to: •RSHE – Understanding how physical activity can reduce	To further practise and develop your knowledge see:
stress and anxiety and promote physical, mental and social wellbeing	https://www.topendsports.com/testing/tests/
<ul> <li>English –understanding and defining key terminology</li> <li>Mathematics –problem solving, recording figures and</li> </ul>	https://www.brianmac.co.uk/eval.htm
<ul><li>analysing performance.</li><li>Voice 21 – coaching peers with their training sessions</li></ul>	



# **Usernames and Passwords**