Year 8 – HT5



Knowledge Organisers

Name:

Team:



Mathematics

- 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.



Maths: Quick Reference: Number Skills



X	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
	6		0			6	3				4	
	P		E		N	1	1	D		A		S
Pare	nthese	es E	xpone	nts	Mult	iply	Di	vide		Add	S	ubtra
(()		e	2	(×	()	(•	÷)	((+)		(-)
					(which	Left to lever c	Right omes f	irst)	- (w	Left hicheve	to Righ r come	t s first)

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

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





Maths: Quick Reference: Geometry & Measures

Newsome

Academv

. Z

59

Ö.,.



Newsome Academy

Ö_o°





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
$10 < x \le 20$	10	× 15	= 150
$20 < x \le 30$	7	× 25	= 175
$30 < x \le 40$	4	× 35	= 140
	25		485
estimate	ed mean = 4	85 ÷ 25 = 1	9•4 cm

estimated mean = 485 ÷ 25 = 19.4 cm



As percentages: 0%

20%

40%

50%

60%

								Sample S	pace Di	agrams	3			
]	Simple Probabilty = $\frac{F}{2}$	e Proba Cavorable o Total our	bility outcomes tcomes	1			+	·	•	Die	e 1		
		Example:	Number	- f f	blaa			•	2	3	4	5	6	7
6	R	$P(red) = \frac{7}{12} \leqslant$	 Total nun 	nber of mar	oles Irbles (sam	ple space)			3	4	5	6	7	8
		$P(hlue) = \frac{5^4}{5}$	Number	of blue ma	rbles			<mark>ی</mark> و	4	5	6	7	8	9
	_	12	Total nur	nber of ma	arbles (sam	ple space)		Die	5	6	7	8	9	10
		Verv		Even		Verv		?	6	7	8	9	10	11
In words: As decimal	Impossible	unlikely 0,2	Unlikely	chances	Likely	likely 0,8	Certain 	000	7	8	9	10	11	12
fractions: As fractions:	0	$\frac{1}{5}$	<u>2</u> 5	$\frac{1}{2}$	$\frac{3}{5}$	$\frac{4}{5}$	1	3			Total	Score		

80%

100%





- > 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.





- 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.



Humanities

- 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

The aims of the sequence of learning are to ensure that all students: Year 8: The Industrial Revolution

Newsome Academy Everyone Exceptional Everyday

2

69 **Ö**.,

- Argue the extent to which Industrial Revolution was actually a revolution
- Explain what Huddersfield reveals about the Industrial Revolution

Keyword	Definition	Key Concepts
IndustrialRevolution	A time ofgreat change in Britain between 1750 to 1900.	Industrial Changes Overview: Reasons for the Industrial Revolution: Brita in was the leader of the Industrial Revolution and 1750 Population increase = demand for more food and clothes.
Population	Number of people living in a particular place.	to 1900 s a w major changes: Clothes made quicker on machines = factories built. Transport moved from horse power to steam power. Very production moved from things being made in houses Production Transport gets quicker = easier to get goods to shops.
Invention	Something new which is created - it can be an object or an idea.	(domestic) to being made in factories . People moved from the countryside to the city . Inventions improved production in factories. Britain became the centre of the trading world
Economy	System of how money is used within a particular country.	
Agriculture	Process of producing food by farming of certain plants or raising animals.	1750 farms were still using medieval ways of planting crops and rearing animals. As population increased, new machines,
Poverty	La ck of basic human needs such as clean water, nutrition, healthcare, education and shelter.	crops and ways of farming were introduced, e.g. bigger a ni mals and steam powered threshers for wheat. Small fields were replaced and hedges removed. This meant farm
Industry	Process of making products by using machines and factories.	workers lost their jobs and many had to move to towns and cities.
Factory	Place where machines are used to produce goods	Changes in population: Factory working conditions In 1750, the total population of the UK was about 11 million. This In 1750, the total population of the UK was about 11 million. This
Massproduction	Production of many products in one go, e.g. textiles	grew to a bout 42 million by 1900! Moving from rural to urban areas also saw a huge rise; in 1750, only 20% of the population lived in towns, but by 1900 it was
Patent	Gives the inventor the right to exclude others from making, using or selling their invention for a certain time period.	70%. This meant far more people were working in new industries but this also caused problems because they all needed food and homes. As a result, poverty increased, overcrowding were enclosed to the they all needed to another the they are been been been been been been been be
Rural	Countryside living with not many houses or people.	inhabitants.
Urban	Towns and cities where many people live and work.	Some inventions of The Steam Engine -1717: Thomas Newcomen invented the first steam engine ItSome inventions of the Industrial RevolutionSome inventions of The Locomotive -1814: Richard Trevithick was a nianaer in park steam enginesticks or a leather strap. Other punishments included nailing children's ears to the table and dowsing them in water to keep the m a wake. Fines and not allowing toilet breaks were also
Orphan	A child who has lost both parents.	biology the developed a new high-pressure steam engine which englished for the day steam englished for the day steam englished for the day steam englished for t
Apprentice	A young person who works for someone in order to learn their skill.	water and horsepower in a wide variety of industries, which allowed more factories
Parliament	Lawmaking group, in the UK government.	to be built. skilled operators so anybody could work on them. and quicker. work ers' hearing.



Year 8: The Industrial Revolution

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

- Argue the extent to which Industrial Revolution was actually a revolution
- Explain what Huddersfield reveals about the Industrial Revolution

Detrioval Dractic

Retrieval Practice	Career Focus - Where could this take you?	
Questions	Answers	
xplain how education changed betweenEducation changed by the implementation of schools; schools were built near factories in order to encourage people to move to areas where there were factories.		
Name one improvement in health and medicine in Britain by the 1900s:	The Industrial Revolution betw een 1750 and 1900 brought on major advances in medicine, especially in the fields of hygiene and vaccinations for previously deadly diseases.	
Explain what is meant by the term 'raw materials'?	Raw materials are resources that are extracted from the earth in order to make products. They can also be taken from plants and animals.	
Why was British industry so successful? Give two reasons.	The British Industry was successful because the bigger population meant more workers for the factories. Food became cheaper so people's diets improved so less people died. There were more people to buy the goods and to work, due to more raw materials, coal, iron clay, etc. industry could thrive. Improvements in transport, like, ships and the railway.	Challenge Activities
How did Richard Arkwright's waterframe help factories and production?	The water frame allow ed for the mass production of cotton thread as it allow ed production to be quicker and the thread stronger, which in turn led to the proliferation of factories and the rise of the industrial economy.	 Research the History of local mills in H Calderdale and Bradford) and produc include key information about the mill Design a based around design and based around design around design and based around design around desi
Tell me two ways you could become a child worker in the mills	You could become a child worker as if you were poor, you would be sold into it, or if your family lived in the housing on site of the factory you would work there after finishing school.	 2. Design a board game based around questions for players to ask, stumblin find the winner. 3. Imagine it is the early 1800s; write a player of the state of
What job roles were children given in the mills? Give two examples	Children would be scavengers picking up material, thread and clearing dirt and dust, They could also work as piecers, who stood at the spinning machines and repaired broken thread	and conditions for people in Britain and for children working in the mills and fa
What were working conditions like in the mills and factories?	Long w orking hours, low wages, cruel discipline, fierce systems of fines, accidents, risks to health	Topic Links
ww did the Factory Act of 1819 improve nditions in the mills? No child under the age of nine to w ork. Children betw een the ages of nine and 13 year 48-hour w eek; must go to school part-time. This Act applied to cotton factories. Once again there w as no formal w ay to enforce this act as no inspectors were created to investigate factories		 The Slave Trade Jack the Ripper The making of the UK Twentieth Century World
In your opinion, what was the most significant change during the Industrial Revolution in Britain and why?	I believe the most significant change was the invention of machines in factories to do the work of hand tools because it meant more items could be produced.	 We will also be practicing how to: Use statistical data as a source Write a piece of Historical Fiction



I am a Novelist: My job is to write books of fiction, and sometime non-fiction, creating characters and plots that may be imaginary or based on real events. I have to make sure I have researched the area I want to focus on and plan my ideas, plots and characters. I will then draft, write, edit and proof-read my work.

allenge Activities

212













Newsome Academy

Year 8 Horn of Africa

The aims of the sequence of learning are to ensure that all students: Describe the human and physical geography of the Horn of Africa Describe the opportunities for economic development in the Horn of Africa

Keyword	Definition 💽	Key Concepts	
Agriculture	The practice of growing crops or animals	The Horn of Africa is a region and it has 4	
Civilisations	The society, culture, and way of life of a particular area	<u>count</u>	geography.
Conflict	An extended struggle or battle	SUDAN	The Ethiopian Highlands are the largest area of highland in Africa
Economy	All the business activity going on in a country	DJIBOUTI GUIL OF AGE	The Danakil Depression is 100m below sea level
Depression	An area of sunken land	Addis Ababa	A Marine /
Fair trade	Trade between companies in developed countries and producers in developing countries in which fair prices are paid to the producers.	SOUTH SUDAN SOMALIA	Datum Tage Calendar
Grazing	Land with vegetation on where animals feed	KENYA Mogadishu INDIAN OCEAN	Hopen and Nor Ogeden
Hostile	Unfriendly and not liking something	Key	e del prent
Nomadic	People with no fixed home who travel to find grazing land	Capital cities	INDIAN
Region	An area having definable characteristics but not always fixed boundaries	Coffee and Salt	er-
Relief	The difference in height from the surrounding terrain	on it (farming or involved in the selling of it) for a living. Around £50 billion is spent on it globally a year	Key mountains
Rural	Countryside, where people live in farms or in small villages	Salt is mined in the Danakil Depression; in the past the Red Sea	flatter land water
Semi- nomadic	People living usually in portable or temporary housing who farm animals and crops	slowly evaporated leaving thick beds of salt. You might have had some on your food?	highest peak



The aims of the sequence of learning are to ensure that all students: Describe the human and physical geography of the Horn of Africa Describe the opportunities for economic development in the Horn of Africa

Key Concepts





<u>Djibouti</u>



Djibouti is a tiny country, with a population or only 1.1 million. It has few natural resources but it is in a great location.

It sits at the entrance to the Red Sea, so half the world's container ships pass it on journeys from

	Djibouti	Eritrea	Ethiopia	Somalia	UK
Population (millions)	0.9	5.9	85.2	9.8	64
% aged 14 or under	34	41	44	44	17
% living in towns and cities	77	21	17	38	80
How long a new baby is likely to live for (years)	62	63	60	51	80
% of population with access to clean safe water	92	61	44	29	100
What % of workforce are farmers?	under 30	80	85	71	1.4
GDP per person (PPP) (in dollars)	\$2700	\$800	\$1200	\$600	\$37 500

The aims of the sequence of learning are to ensure that all students: Describe the human and physical geography of the Horn of Africa Describe the opportunities for economic development in the Horn of Africa

36

Retrieval Practice

Newsome

Academv

Career Focus - Social Researcher



	518	
Questions	Answers	
Name the 4 countries in the Horn of Africa	Djibouti, Ethiopia, Eritrea and Somalia	
What is the capital city of Ethiopia?	Addis Ababa	
Name 2 rivers in the Horn of Africa	Blue Nile and Awash	
How far below sea level is the Danakil Depression	100m	Challenge Activities
Which area of the Horn of Africa receives most rainfall and why?	The Ethiopian Highlands because the higher you go the air cools causing precipitation (rain) to develop	 Write a song, poer film/record this Create a poster or them
How does Djibouti earn money?	The port with ships loading and unloading cargo and it has foreign military bases	Research and write cities, population a
Why do nomads move around?	To follow rainfall and find grazing land for their animals	Topic Links
How was salt formed in the Danakil Depression?	The Red Sea flooded the area. When the waters fell the water in the Depression slowly evaporated leaving thick beds of salt	 This topic links to themes in: History - slavery and emp Music - African music
What % of people in Somalia have access to safe, clean water?	29%	Science - Biomes

Year 8 Horn of Africa



I am a social researcher. I study people and the way they interact with each other. I might ask questions, observe behaviour, or do experiments to learn more about how people behave in different situations. I use this information to try to understand why people do the things they do and how we can make the world a better place for everyone. It's kind of like being a detective, but instead of solving crimes, I try to solve puzzles about how people think and act.

- m or rap about nomads and their lifestyle. You can then perform and
- information leaflet about Fairtrade products and why people should buy
- e travel guide to Ethiopia Include details on the climate, physical features, and what people could see or do there

Topic Links	d	Additional Resources	Î
This topic links to themes in:		Horn of Africa	Africa
 History - slavery and empire Music - African music 			
Science - Biomes			



Key Concepts: World – Countries and Oceans









Key Concepts

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

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

Atheist= Someone that doesn't believe in God Agnostic = Someone that is not sure about the existence of God

Timeline of religions (all dates approximate)

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





- 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
- > discover and develop an appreciation of a range of writing in the language studied.



Year 8 À la maison

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

- talk about helping at home
- Use reflexive verbs to describe their daily routine
- Give more complex opinions

- Pick out key information in a longer passage of listening and reading.
- Compare two or more things



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

- talk about helping at home
- Use reflexive verbs to describe their daily routine
- Give more complex opinions

- Pick out key information in a longer passage of listening and reading.
- Compare two or more things

Retrieval Practice

Questions	Answers
<u>Où</u> habites-tu?	J'habite à Huddersfield dans le nord de l'Angleterre. C'est une grande ville.
Qu'est-ce qu'on doit faire pour aider à la maison?	Je dois <u>faire la vaisselle</u> tous les jours. C'est <u>nul!</u>
Tu te lèves à quelle heure?.	Normalement, je me lève à <u>sept heures.</u> Le weekend je me lève à onze heures.
Tu t'habilles à quelle heure?	Je m'habille vers sept heures et demie.
Tu quittes la maison à quelle heure?	D'habitude je quitte la maison à <u>huit</u> <u>heures moins cinq.</u>
Qu'est-ce que tu fais <u>le</u> <u>matin?</u>	Je me lève et puis je prends le petit <u>déjeuner</u> . À huit heures je vais au collège.
Qu'est-ce que tu fais <u>le</u> <u>matin le weekend?</u>	Le samedi je me lève à dix heures, puis je me douche et je me coiffe. Le samedi soir je vais chez mes amis.

Newsome Academy Year 8 À la maison

Career Focus - Where could this take you?

your day?

I am a tour guide. I work with people from all over the world and travel to lots of different cities. It helps me that I can speak another language, because I can communicate with people who live in the country I am touring. I can also give tours in different languages.

Challenge Activities

1.

2.

- Pretend that you are Cinderella. What jobs do you have to do. 3.
- Complete the activities on sentence builders 4.

Topic Links	Additional Resources	
This topic links to:	To further practise and develop your knowledge see:	
Holidays	Sentence builders	
All about me.	Active learn.	
Hobbies		
• Time		

Computing

- 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

Newsome Academy Everyone Exceptional Everyday 8.3: Graphic Design

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

Demonstrate knowledge of graphic types by describing the difference between a 'bitmap' graphic and a 'vector' graphic
 Demonstrate knowledge of creating superimposed images by describing the steps involved to do this on Adobe
 Photoshop

 Apply knowledge of using Adobe Photoshop to create a professionally designed movie poster
 Apply knowledge from this unit to accurately describe some keywords

Keyword	Definition	Key Concepts: Superimposing an image in Adobe Photo	oshop
Bitmap Graphic	A bitmap graphic is made up of many tiny parts, called pixels. When zoomed in, you can see each individual pixel. Each pixel is stored as a binary code on the computer (0's and 1's)	Step 1 - Open your images	Step 4 – Copy selected object Press Ctrl + C (Copy)
Vector Graphic	Vector graphics are created in graphics packages and are made up of shapes called objects. They are scalable - when you resize/enlarge them, they do not lose quality.	Open Ctrl+0 Open As Alt+Shift+Ctrl+0	Step 5 - Open the image that object is being moved on to
Resolution	Resolution is a measure used to describe the sharpness and clarity of an image or picture. It is can be used to judge the quality of hardware and software technologies e.g. monitors	Open as Smart Object Open Recent	Step 6 – Paste object onto image Press Ctrl + V (Paste)
Superimpose	Superimposing is when you place one image over another, so that parts of both images are still visible	Lasso Tool L	
Layering	This terms describes the different levels at which you can place an object or image file. Images at the top of the layering list are displayed at the front and images at the bottom are displayed behind the other images.	Magnetic Lasso Tool L 2	Step 7 – Transform and resize
Movie Genre	A style or category of movie. For example: Action Romance and Comedy	Step 3 – Select the edges of Object	
Codes and Conventions	 The generally accepted ways of doing something - what you expect to see. e.g. in action movie posters: Explosions. Guns, Fights Aggressive body language Direct gaze to the camera Orange and red colour schemes Cars 		

Newsome Academy Everyone Exceptional Everyday B.3: Graphic Design

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

38

Demonstrate knowledge of graphic types by describing the difference between a 'bitmap' graphic and a 'vector' graphic Demonstrate knowledge of creating superimposed images by describing the steps involved to do this on Adobe Photoshop

Apply knowledge of using Adobe Photoshop to create a professionally designed movie poster Apply knowledge from this unit to accurately describe some keywords

Retrieval Practice

0.0

List five codes and conventions of a movie poster

	312		
Questions	Answers		
Describe the difference between a bitmap graphic and vector graphic	A bitmap graphic is made up of many tiny parts, called pixels. When zoomed in, you can see each individual pixel. Vector graphics are created in graphics packages and are made up of shapes called objects. They are scalable - when you resize/enlarge them, they do not lose quality.		
Denary Binary Colour no. code 0 000 Black 1 001 White 2 010 Yellow 3 011 Blue 4 100 Green Using this simplified example, How would 001 you represent each pixel in binary to create a simple Image 001	100 001 001 010 Use the table to determine the binary code required to create a specific colour (or shade of colour)		
Why is the Magnetic Lasso tool ideal for superimposing tasks?	The Magnetic Lasso Tool is an edge detection tool, meaning that it actively searches for the edge of an object when you are moving a round it. It 's naps' the selection outline to the edge and clings to it like a magnet		
What do the following keyboard shortcuts do in Adobe Photoshop: Ctrl + C Ctrl + V Ctrl + T	Ctrl + C – Copy a selection Ctrl + V – Paste a selection Ctrl + T – Transforms a selection to allow you to move and resize an image layer		

Film title, names of lead actors, background images, release date

and Images of lead character(s)

Career Focus - Where could this take you?

I am a Graphics Illustrator and it is my job to create a visual representation of an idea or associated text. The role involves a lot of work related to drawing, product package design, book illustrations, and graphic novels. I may also be required to lead lots of projects that deal with advertising design and publishing initiatives.

Challenge Activities

- 1. Create a range of custom superimposed images about a theme of your choice using high-resolution images. You can use Adobe Photoshop or Photopea.com (free alternative).
- 2. Create a poster on MS Publisher (or other suitable software) that summarises one or all of the following concepts covered in this unit: difference between bitmap and vector images, how to superimpose an image in Adobe Photoshop and what is meant by 'Codes and Conventions' when referring to Movie Posters
- 3. Create a short vlog about the types of careers you could get into with the skills you have developed in this unit. Explain what you would need to study at college and university to pursue these career paths

Topic Links	Additional Resources
 <u>Computing Curriculum</u>: Understand how instructions are stored and executed within a computer system Create, re-use, revise and re-purpose digital artefacts for a given a udience Undertake creative projects that involve selecting, using, and combining multiple a pplications 	To further practise and develop your knowledge see the below: Beginners guide to Adobe Photoshop • www.youtube.com/watch?v=r1mwj8AH98

- > 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.

• Develop their observation drawing skins
 • Develop their observation drawing skins
 • Understand how MCM uses scale to create visual impact
 • Will domenstrate an understanding of colour theory

Newsome Academy Everyone Exceptional Everyday

٢

5

0.

- The aims of the sequence of learning are to ensure that all students:
- Develop their observation drawing skills
- Will demonstrate an understanding of colour theory

- Will be able to create a balanced composition
- Will be able to make links to the artist's work

٦

• Will produce a personal response that meets the brief

0

Keyword	Definition	Key Concepts
Still life	A drawing or painting of an arrangement of objects.	
Composition	The composition of an artwork is defined by how the image is depicted and laid out on the canvas.	
Scale	In art, scale refers to the size of one whole object in relation to another whole object.	
Flat colour	Flat colour generally means solid ink coverage with no gradations, screens or half- tones.	
Outline	A line or set of lines enclosing or indicating the shape of an object in a sketch or diagram	
Michael	An Irish born artist well	

*

Y8 Everyday Objects

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

- Develop their observation drawing skills
 - Understand how MCM uses scale to create visual impact
 - Will demonstrate an understanding of colour theory

- Will be able to create a balanced composition
- Will be able to make links to the artist's work
- Will produce a personal response that meets the brief

Retrieval Practice

Questions	Answers
How would you describe Michael Craig-Martin's style?	He draws just enough detail to make the objects instantly recognisable, He uses black outlines and bold, flat colour. He changes the scale of objects in comparison to each other.
How does Michael Craig- Martin use scale in his work?	He changes the size of everyday objects in relation to others. For example he makes small objects much bigger than they are, and reduces the size of larger objects in comparison.
What is a contour line in Art?	It is a line that defines the outline of a form, as well as interior structure, without the use of shading.
What is observational drawing?	Observational drawing is drawing what you see. It can be a flower, a person, a still life, a landscape, or anything. But it's drawing what you see in front of you, as realistically and as true to life as possible.
What is installation art?	Often large-scale, mixed-media constructions, designed for a specific place or for a temporary period of time.

Career Focus - Where could this take you?

I am a **product designer**. I have to define product specifications, and create digital or print drawings. I design fully-functional products. I have to have an eye for colour and shape and be able to turn requirements into practical product features.

Challenge Activities

Develop your drawing skills by practising 'blind contour drawings'. Start with Blind Contour If You Want Better Drawings (artists network.com)

Practise drawing in the style of Michael Craig-Martin KS3 Art Lesson - Still life in the style of Michael Craig-Martin - YouTube

Topic Links	∂	Additional Resources
This topic links to:		To further practise and develop your knowledge see:
Mathematics - scale		Michael Craig-Martin: Transience - Serpentine Galleries
		<u>Drawings Michael Craig-Martin</u> <u>(michaelcraigmartin.co.uk)</u>

Newsome Academy Everyone Exceptional Everyday

- The aims of the sequence of learning are to ensure that all students:
- Demonstrate safe use of tools and equipment.
- Explain a range of Regenerated fibre properties
- Rank fibres in order of environmental impact.

- Annotate a range of design ideas which include moral and cultural issues.
- Demonstrate an understanding of smart materials.

Newsome Academy Everyone Exceptional Everyday

- The aims of the sequence of learning are to ensure that all students:
- Demonstrate safe use of tools and equipment. Explain a range of regenerated fibre properties
 - Rank fibres in order of environmental impact.
- Annotate a range of design ideas which include moral and cultural issues.
- Demonstrate an understanding of smart materials.

Retrieval Practice

Question	A1	A2	A3	A4	A5
A. What is a regenerated fibre?	Made from a plant	Made in a factory	Coal & oil	A fibre made from cellulose (wood pulp)	A fibre made from Animals
B. Which fibres are Regenerated?	Wool	Lyocell	Acetate	Cotton	Polyester
(select more than 1) C. What is a design Specification?	A listof design solutions	A listof costings	A listof designissues	A listof important points	A detailed listof what the product mustbe/
D. Which fibres are Synthetic?	Polyester	Nylon	Cotton	Bamboo	Viscose
(select more than 1) E. What is a light emitting Diode?	A type of disco ball	A Type of switch	A type of resistor	LED Light	A type of battery
F. What advantages are they in using a laser cutter? (select more than 1)	Fast	Accurate	Less material wastage	Cuts multi materials (except metal)	Cuts complex shapes and fine detail
Questions you got wrong	Quick Corre	ections (brid	ge learning ${}_{\{\!\!\!\!\ p\ \!\!\!\!\}}$	gaps & misco	onceptions)

A Lab Technician performs tests and analyses in a laboratory. Lab technicians work in a variety of different fields such as medicine, textiles and Engineering.

Huddersfield University offer an MA degree in Textile Technology, and you will need an Honours degree (2:2 or above) in a relevant subject or an equivalent professional qualification.

Salaries usually range from £18,000 - £38,000

Challenge Activities

Can you Identify these E-Textile Symbols and Explain when they do?

Topic Links

Additional Resources

2

This topic links to:

- Science- How electronics can be used within textiles and the development of Smart Fibres
- English- Subject specific Vocabulary knowledge, understanding and spelling.

To further practise and develop your knowledge see:

Newsome Academy Everyone Exceptional Everyday

- The aims of the sequence of learning are to ensure that all students: Demonstrate an understanding of gear and pully Demonstrate safe use of tools and equipment.
- Explain a range of Timber Materials and properties/ •

•

Rank Materials in order of environmental impact.

- systems.
- Demonstrate an understanding of working drawings, measurements and functions.

Keyword	Definition 🖸
Gears	One of a set of toothed wheels that work together to alter the relation between the speed of a driving mechanism
Compression	The action of compressing or being compressed.
Tension	The state of being stretched tight:
Pinewood	An evergreen coniferous tree that has clusters of long needle-shaped leaves
PVA	Polyvinyl acetate used to glue materials
Scroll saw	A scroll saw is a small electric or pedal-operated <u>saw</u> used to cut intricate curves in wood,
Shear	is a process that cuts stock without the formation of chips or the use of burning or melting
Laser	A laser is a device that emits <u>light</u> through a process of <u>optical amplification</u>
Safety Goggles	Protective eyewear to stop fragments entering the eye.
Timber	Timber is wood that has been processed into uniform and useful sizes
Specification	A design specification is a detailed document that sets out exactly what a product or a process should present
Analysis	is the process of breaking a <u>complex topic</u> or <u>substance</u> into smaller parts in order to gain a better <u>understanding</u> of it.
Iconic Design	someone or something that is seen as a <u>cultural icon</u>
Product Lifecycle	is the process of managing the entire lifecycle of a product from its inception through the <u>engineering</u> , <u>design</u> and <u>manufacture</u> ,
Corrugated Cardboard	is a type of packaging material consisting of a <u>fluted corrugated</u> sheet and one or two flat linerboards

2

Ø₀° 69

Key Concepts	
FORCES	Tools Materials & End Products
Tension Being stretched	Stainless Steel Spoon
Bending A motion or action that bends	
Compression Putting pressure on an object	Aluminium Aircraft Fitting
Torsion Twisting	
Shear Cutting	Copper Tubing
Triangulation Forming rigid triangles together	

Newsome Academy Year 8 Sweet Dispenser Project

- The aims of the sequence of learning are to ensure that all students: Demonstrate an understanding of gear and pully
 - Demonstrate safe use of tools and equipment.
- Explain a range of Timber Materials and properties/
 - Rank Materials in order of environmental impact.

- systems.
- Demonstrate an understanding of working drawings, measurements and functions.

Retrieval Practice

0

Question	A1	A2	A3	A4	A5	
A. What is an Acrylic?	Wood	Metal	Plastic	LED	Film	War and a
B. Whatis a product analysis?	A Detailed look at a specification	A quick look at a product	A Detailed look at a shoe	A Detailed look at a car	A Detailed look at a product	
C. What is Shear referring to?	Sewing	Drawing	Jumping	Cutting	Dancing	
D. Which are iconic	A					Challenge Activi
one)			Z	M	Ľ	Charles Rennie Macintosh
E. Whatis a scrollsaw?	A bladed machine for cutting wood.	A drillpart	A paper cutter	A saw for cutting Glass	A machine for drilling holes	A
F. What is Timber?	A type of wood	A type of plastic	A type of metal	A type of glass	A type of Fabric	
Questions Which you got wrong	Quick	Corrections (bridg	ge learning gaps	& misconceptio	ns)	Topic Links
						This topic links to:
						 History- Iconic English- Subject knowledge, und
						Maths- Measu

History- Iconic Design

English- Subject specific Vocabulary

Maths- Measurements in cm.

knowledge, understanding and spelling.

Career Focus - Where could this take you?

Engineers, as practitioners of engineering, are professionals who invent, design,

analyse, build and test machines and complex systems.

Kirklees College offer an Engineering and Manufacturing course level 2 and you will need A minimum of 4 GCSEs with the following grades: English at 3 or above and maths at 3 or above and 2 other GCSEs at 3 or above including a science or technology course.

Salaries usually range from £36,000-£48,000

nallenge Activities- Match the Product to the Designer.

Additional Resources

R

Phillipe Starck

James Dyson

To further practise and develop your knowledge see: https://voutu.be/9wHIJXnx0bM

https://voutu.be/b36Lt9bXFsk

https://voutu.be/aHzIWI7CS8E

Year 8 Food Tech

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

Apply knowledge of Health and Safety in relation to the Food Standards Agency and Legislation Demonstrate knowledge of food provenance Be able to discuss confidently a range of manufacturing processes

Keyword	Definition 💽	Key Concepts	
Food origin	Where the food originated in the world	The Food Standards Agency (FSA) is responsible for food	
Food provenance	Whether the food was grown, caught or reared	safety and food hygiene in England, Wales and Northern	Food Standards in partnership with your local automy
Transportation	How food is transported from one place to another	safety regulations and its staff work in meat plants to	
Food processing	Changing food in some way e.g washing, chopping, pasteurising, freezing, fermenting, packaging		
Food manufacturing	Food manufacturing refers to transforming rawingredients into edible products such as using wheat, oat, and sugar to make cereals, desserts, and petfood.	Food Standards Act 1999	
Farming	Farming is the activity of growing crops or keeping animals on a farm.	The Act was introduced in the House of Commons in	
Calcium	Calcium is a mineral your body needs to build and maintain strong bones and to carry out many important functions.	1999.	The scheme gives businesses a
Carbohydrate	Carbohydrates provide energy for the body. The body breaks carbohydrates down into glucose, which is the primary energy source for the brain and muscles.	It sets out our main goal to protect public health in relation to food. It gives us the power to act in the	 rating from 5 to 0 which is displayed at their premises and online so you can make more informed choices about where to buy and eat food. 5 - hygiene standards are very good 4 - hygiene standards are good 3 - hygiene standards are generally satisfactory
Protein	Protein is one of the three nutrients found in food that the body needs in large amounts. It is essential for the maintenance and building of body tissues and muscle.	and supply chain. Food Safety Act 1990	
Fibre	Fibre is a type of carbohydrate that the body cannot break down and so it passes through our gut into our large intestine (or colon). It is found naturally in plant foods like wholegrains, beans, nuts, fruit and vegetables and is sometimes added to foods or drinks. Fibre helps to keep our digestive system healthy and helps to prevent constipation.	 The main responsibilities for all food businesses covered by the Act are to ensure that: businesses do not include anything in food, remove anything from food or treat food in any way which 	
Fat	The body uses fat as a fuel source, and fat is the major storage form of energy in the body. Fat also has many other important functions in the body, and a moderate amount is needed in the diet for good health. Too much fat or too much of the wrong type of fat can be unhealthy.	 means it would be damaging to the health of people eating it the food businesses serve or sell is of the nature, 	1 – major improvement is necessary
Cross- contamination	Cross-contamination is the physical movement or transfer of harmful bacteria from one person, object or place to another.	 substance or quality which consumers would expect the food is labelled, advertised and presented in a way 	0 – urgent improvement is required
Nutrient	a substance that provides nourishment essential for the maintenance of life and for growth.	that is not false or misleading	
Healthy	In a good physical or mental condition; in good health.		

Chicken / Vegetable Curry

Equipment:

- Chopping board
- Vegetable knife
- Large pan
- Wooden spoon
- Cutlery

****container with a lid****

Ingredients:

- 2 chicken breasts
- 1 red onion
- ½ red or green pepper
- 1 tin of chopped tomatoes
- 2 tsp curry powder or paste
- 1 tbsp. tomato puree
- 4 button mushrooms
- 25g natural yoghurt or single cream (optional)
- 2tsp vegetable oil
- Replace chicken with either: 100g green or red lentils, Quorn pieces, potato, spinach or mushroom combination.

Skills: Meaning: 1. General Practical Skills: 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. Preparing fruit and vegetables: I can prepare fruit and vegetables in many different 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. Cooking Methods: Using the cooker including: the hob, grill and oven.
- 7. **Preparing, combine and shape:** Techniques to prepare, cook and combine different ingredients

Method:

- 1. Chop any vegetables and place in pan with vegetable oil.
- 2. Put pan on low heat stir with wooden spoon.
- 3. Chop chicken into pieces.
- 4. Add chicken to pan being careful to avoid cross contamination.
- 5. Stir chicken with wooden spoon and turn to medium heat.
- 6. Add curry powder and continue to cook ensuring chicken doesn't stick to pan.
- 7. Once chicken is cooked through (no longer pink in the middle) stir in tin tomatoes and puree.
- Continue to cook on medium heat to low heat (simmer).
- 9. Stir in yoghurt or cream.
- 10. Turn off heat and transfer to container.

Year 8 Food Tech

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

Apply knowledge of Health and Safety in relation to the Food Standards Agency and Legislation Demonstrate knowledge of food provenance Be able to discuss confidently a range of manufacturing processes

LAMB KOFTA BALLS

Method:

- 1. Heat oven to 220°c
- 2. Peel the onion and cut in half.
- 3. Peel the garlic.
- 4. Cut off the top of the chilli and remove the seeds.
- 5. Put the onion, chilli and garlic into the food processor and blitz.
- 6. Add the mince, cumin and herbs and blitz together.
- 7. Sprinkle a little flour onto a chopping board, then divide and shape the mixture into 8 balls.
- 8. Put the balls onto a lined baking sheet and into the oven for 20 minutes.
- 9. Thoroughly wash and dry your hands after touching the raw meat.
- 10. Serve with a pitta bread, rice, sour cream and salad

<u>Equipment</u>

- Baking trayCutlery
- Mixing bowl
- Rounded knife
- Fork
- Measuring bowl
 - Weighting scales

- Ingredients:
- 1 small onion
- 1 clove of garlic
- 1/2 red chilli
 - 200g lamb mince
 - 1 x 5ml spoon cumin
 - 1 sprig of parsley, mint and coriander
 - *** Container with a lid ***

ア F

Year 8 Food Tech

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

Apply knowledge of Health and Safety in relation to the Food Standards Agency and Legislation

Demonstrate knowledge of food provenance Be able to discuss confidently a range of manufacturing processes

CHOCOLATE BUNS

Ingredients

- 100g dark Chocolate
- 100g margarine
- 50g brown sugar
- 2tbsp hot water
- 2tbsp Syrup
- 50ml milk
- 1 egg
- 100g SR Flour
- 2 tbsp cocoa powder
- 12 cake cases

Equipment

- Sieve Mixing bowl Tablespoon Wooden spoon Small pan Wire cooling tray Small bowl Table knife
- Table knife Teaspoon

- 1. Preheat the oven to 180°C and line the bun tin with 12 paper cases.
- Melt margarine, sugar, chocolate, syrup and water together in a pan until melted. Set aside for two minutes then add milk and egg.
- 3. Beat in the sieved flour and cocoa carefully. Add any extra ingredients you may be using at this stage.
- 4. Use a jug to pour the mix into the cake cases
- 5. Half fill the paper cases with the mixture and bake for around 20 mins until firm and well cooked
- 6. Place on a cooling rack to cool down.

人

Newsome Academy Everyone Exceptional Everyday Year 8 Rap and Hip Hop

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

To develop an understanding of Hip Hop and it's surrounding culture. To be able to perform Gangsta's Paradise, using appropriate musical technique on the keyboard. To develop appropriate musical vocabulary through the MAD TSHIRT mnemonic. To be able to identify musical features of Gangsta's Paradise, applying appropriate musical vocabulary.

Keyword	Definition	К
Melody	The main layer or tune of a piece. Melodies can move by step or in leaps.	
Articulation	The way the notes are played: <i>long and smooth</i> or short and choppy. Legato = Long and smooth Staccato = Short and choppy.	
Dynamics	How loud or quiet the sound is.	
Texture	The layers that make up a piece Monophonic = One Layer On its own. Homophonic = One melody and accompaniment Polyphonic = More than one melody at the same time.	
Structure	The way the music is put together in sections . Beginning – Middle – End	
Harmony	The chords that accompany the melody. Diatonic – notes that blend well together. Dissonant - notes that do not blend well together. Tonality – What key the music is in.	
Instrumentation /Forces	The instruments or voices used to perform a piece of music.	٦
Rhythm	The note values used. Syncopation – off beat rhythm.	
Tempo	The <i>speed</i> of the beat	

Newsome Year 8 Rap and Hip Hop

Gangsta's Paradise - MAD TSHIRT, Musical analysis.

Hip Hop	Musical Devices	Sampling	Riffs
 Hip Hop is not just a style of music but an entire culture that is made up: DJing and beat making. B-Boying or Break Dancing, a form of acrobatic group dancing. Graffiti art Mc'ing or rapping, 	Musical devices are techniques used by composers (people who write music) to give a certain feel or sound to the music. Using specific musical devices can make the music sound like a specific style. Examples = Riffs / Sampling	In music, sampling is when a short snippet (or sample) of a sound recording is used in another recording. Samples are often changed in some way e.g. by changing the pitch or slowing them down.	A riff is a short repeating pattern in a piece of pop music.
Gangsta's Paradise:	Gangsta's Paradise: Tonality	Gangsta's Paradise: Harmony	Time Signature
Texture The song uses two types of texture Homophonic – One melody and accompaniment (during the verse sections) Polyphonic – more than one melody at the same time (during the chorus sections).	Gangsta's Paradise is in a minor key. It sounds sad , which fits with the lyrics.	The chord sequence, which repeats throughout the song is: G E F# B Maior minor Maior minor	Gangsta's Paradise is in 4/4, meaning each bar has 4 beats.
Breakbeat	Looping	Vocalisation	Melisma
A short break in the song that is just the drum beat on its own. Breakbeats were sampled a lot because drumbeats are perfect to rap over.	A small section of sound that is repeated.	Wordless singing. Wordless singing can be heard during the chorus of Gangsta's Paradise in the backing vocals	Signing more than one note per syllable.

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

To develop an understanding of Hip Hop and it's surrounding culture. To be able to perform Gangsta's Paradise, using appropriate musical technique on the keyboard. To develop appropriate musical vocabulary through the MAD TSHIRT mnemonic. To be able to identify musical features of Gangsta's Paradise, applying appropriate musical vocabulary.

I'm a music producer and my job is to arrange compositions, runs recording sessions, and suggests changes to instrumentation, effects and lyrics. I guide the mastering, mixing of the music and also the recording engineers. I also gather ideas and inspiration for projects and develop the vison and direction for each project.

Challenge Activities

Name that pitch! https://www.musictheory.net/exercises/note

Further reading <u>https://www.musicca.com/notes</u>

Another quiz! <u>https://www.musictheoryacademy.com/music-theory-quizzes/</u>

Topic Links	Additional Resources
This topic links to Maths – understanding of pitch requires knowledge of halfs teps and full steps and the ability to count in different intervals	Free sheetmusic for piano - https://makingmusicfun.net/htm/printit_piano_sheet _music_index
Science – pitch is a scientific concept. Concert A has a frequency of 440 Hz vibrations per second	Have a go at writing your own melody - https://www.bbc.co.uk/bitesize/topics/z3dqhyc/artides /z7n2qp3

Year 7 Trampolining

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

- Identify at least 4 core trampolining skills. •
- Demonstrate basic core skills such as a straight jump.

Demonstrate a 5 bounce routine. Lead a small group of peers in a warm up.

讔

Only 1 person at a time on the trampoline

Keyword	Definition	Key Concepts
Spotting	Standing around the trampoline to help prevent the performer from falling.	Plantar- flexion Plantar-flexion occurs at the ankle to allow wou to point Never leave the Ne
Aesthetic	The way something looks/something looking artistic.	you to point your toes. Make sure your toes are pointed when performing a
Flexibility	The range of motion allowed at a joint.	Core skill such as a <u>straight</u> jump. This makes your
Pike	Jumping with the legs extended out in front of the body and toes pointed.	esthetic.
Tuck	Jumping with the knees flexed and toes pointed down.	Sentence starters for feedback
Straddle	Jumping with the legs extended	I enjoyed
	diagonally from the hips.	tuck straddle pike I can now work on
Feedback	Information given to an individual/team about their performance.	Above are the basic jump shapes you will achieve by the end of the block. Take note of how the legs and feet are used to make the move aesthetic.

Year 7 Trampolining

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

Identify at least 4 core trampolining skills.

• Demonstrate basic core skills such as a straight jump.

Demonstrate a 5 bounce routine. Lead a small group of peers in a warm up.

Retrieval Practice. Recall routines for your performance.

Career Focus - Where could this take you?

Routine #1: Tuck jump Straddle jump Pike jump Seat landing To feet

Newsome

Academv

Routine #2: ½ twist Jump Tuck jump Seat landing To feet Straddle jump **Routine #3:** Full twist jump Tuck jump Seat landing To feet Straddle jump

Depending on your progress levels in trampolining:-If you are unable to complete a seat landing, then you can replace with a pike jump. If you are unable to complete the routine, then have two bounces between each skill.

Questions	Answers
What are the most important components of fitness for a trampolining athlete?	Flexibility, balance, coordination.
Why is it important that a trampolining move is done in an aesthetic way?	To ensure that the audience can see the full extent of the performance.
What is the difference between a straight bounce and a tuck jump?	On a straight jump the legs are straight and the toes pointed. On a tuck jump, the knees are flexed with the toes pointed.
Why is it important that you can stop safely on the trampoline?	To reduce the risk of injury when finishing a move.

Performance coaches watch and analyse the performances of athletes to help them improve.

Challenge Activities

Create:

- Create a 5 bounce routine using the correct trampolining terminology. You can use this routine in class so make sure it only has skills in which you can perform.
- Create a mind map containing all of the basic core skills you have learnt about draw a diagram showing how each is completed. Label key components e.g. pointed toes.

Topic Links	Additional Resources
 This topic links to: Science – anatomy and physiology Maths – Angles Voice 21 – verbal feedback to peers English – understanding and defining key terminology 	 To further practise and develop your knowledge see: https://www.bbc.co.uk/bitesize/guides/z39ck7h/rev ision/1 https://www.youtube.com/watch?v=M_h9dmJ3Nm M

Year 8 Trampolining

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

- Identify at least 5 core trampolining skills.
- Demonstrate core skills such as a seat drop.

Demonstrate a 7 bounce routine. Lead a small group of peers in a drill.

Keyword	Definition	Key Concepts			
Spotting	Standing around the trampoline to help prevent the performer from falling.		SEAT LANDIN	IGS	
Aesthetic	The way something looks/something looking artistic.	r f d	ł		SEAT LANPING Teaching Points
Flexibility	The range of motion allowed at a joint.		EAA - REAR	 Arms start straight above the head, head n line with the body When landing, hands are at the side of the body, fingertips near bottom 	
Pike	Jumping with the legs extended out in front of the body and toes pointed.	RRN	PR	•Straight legs a •Core and arms gt back to feet	ng pointed toes throughout go back to the original straight position, to
Tuck	Jumping with the knees flexed and toes pointed down.	Plantar-	<u>Plantar-flexion</u> occurs at the ankle to allow a	you to	
Straddle	Jumping with the legs extended diagonally from the hips.	flexion	point your toes. Why do your toes need to b pointed when performing on the trampoline		What you should already know:At least 4 core
Feedback	Information given to an individual/team about their performance.		 Peer feedback sentence starters: I really liked how you 	voice 21	trampolining skills.
Bounce count	The amount of times the bed is touched during a routine.	$\langle \rangle$	 For your next performance try to To improve your aesthetics try to You showed great 		• Demonstrate a 5 bounce routine.
Parallel	Straight lines that do not intersect.		• You Showed great		

Year 8 Trampolining

Newsome Academy Everyone Exceptional Everyday

٢

🗢 😚

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

- Identify at least 5 core trampolining skills.
- Demonstrate core skills such as a seat drop.

Demonstrate a 7 bounce routine. Lead a small group of peers in a drill.

Retrieval Practice. Recall routines for your performance.		Career Focus - Where could this take you?
Routine #3: Full twist jump Tuck jump Seat landing To feet Straddle jump	Routine #4Routine #5:Full twist½ twist jumpStraddle jumpStraddle jumpSeat landing½ twist to seat½ twist to feetlandingTuck jumpTo feetPike jump	Trampoline testers work together to test the safety and bounce of trampoline beds.
Questions	Answers	
Why does a trampolinist require good flexibility? Explain the importance of an aesthetic performance.	Without flexibility, a trampolinist will struggle to perform their moves aesthetically due to a lack of pointed toes and straight body lines. An aesthetic performance is important as it allows people to fully enjoy the performance and ensures the performance looks good to the audience.	Challenge Activities Create: • Create an 8 bounce routine using the correct trampolining terminology. You can use this routine in class so make sure it only has skills in which you can perform. Try to include at least 2 different shapes. • Research Olympic trampolinist Bryony Page and create a fact file page on her.
Why does a seat landing require good core strength?	Because without good core strength, the body will not stay tense and upright.	Topic Links Image: Additional Resources
Give 3 safety points for trampolining.	All jewellery removed, hair tied back, socks worn. Are you able to explain why?	 This topic links to: Science – anatomy and physiology Maths – Angles Voice 21 – verbal feedback to peers English – understanding and defining key terminology To further practise and develop your knowledge see: https://www.bbc.co.uk/bitesize/guides/z39ck7h/rev ision/1 https://en.wikipedia.org/wiki/Trampolining_terms

Usernames and Passwords