Year 8 curriculum learning points

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Art	Explore the theme Imaginary Portraits inspired by Frida Kahlo Explore & Explain portrait proportions, narratives in art & oil pastel techniques		Explore the theme Numbers & Letters inspired by Cecil Touchon Explore & Explain painting, collage and construction skills		Explore the theme Human Forms. Explore & Explain 3D construction & human proportion techniques	
Geography	World Regions - know the human and physical characteristics of the Middle East	Tectonics - to understand the hazards at tectonic plate boundaries	Asia - know the human and physical characteristics of regions in Asia	Rivers - understand river processes, landforms and river flooding		Global Connections - understand development in LICs and HICs
Spanish	Describe jobs and school	Describe food preferences	Describe weather, clothes and hobbies	Describe house and daily routine	Describe holiday plans and preferences	Describe life in Mexico
French	Describe jobs and school	Describe food preferences	Describe weather, clothes and hobbies	Describe house and daily routine	Describe holiday plans and preferences	Describe life in Tahiti
German	Describe your house and home	Describe your town	Use the future tense	Describe holiday destinations and activities	Describe food preferences	Describe illness and solutions
History	How revolutionary were the 17th and 18th centuries? Identify, describe and explain changes across the 17th and 18th centuries: English Civil War, changes in the power of the monarchy, diversity in the regency period, social and cultural changes.		Who were the victims of globalisation? Identify, describe and explain developments in the trans-Atlantic slave trade, the British Empire and Industrial Revolution from the 1500s onwards. Identify links between the key themes: trans-Atlantic slave trade, Industrial Revolution and British Empire.			Who were some of the 'Hidden Figures' of History? Describe the lives of some people whose stories might not always have been told. To identify links between hidden figure stories and previous learning.
English	Understand the features of persuasive	Understand the features of 'Empire', analysing	Analyse poetic techniques in a range of poems	Understand the features of Gothic Literature, and	Read the novel 'The Foreshadowing' and	Develop the skills required for effective speaking

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	speeches, and recognise these in famous examples. Writing own persuasive speeches.	fiction and non-fiction representations from British, Roman and Star Wars Empires.	linked to the theme of 'Power and Conflict'.	apply these to own Gothic writing.	analyse character development.	and listening, using a range of diverse short stories as inspiration.
Maths	To be able to multiply and divide fractions, and solve some ratio problems	To be able to plot coordinates in 4 quadrants, recognise straight line graphs in the form $y = mx + c$. To be able to draw and interpret scatter graphs.	To be able to expand single brackets, solve equations and some inequalities. To understand some index laws and use to solve problems.	To be able to calculate fractions, decimals and percentages of amounts, and increase and decrease by a percentage. To convert ordinary numbers into standard form and vice versa.	To know the properties of special triangles and quadrilaterals, and use facts to solve problems involving interior and exterior angles. To be able to work out perimeters and areas of standard 2D shapes including circles.	To be able to draw and interpret various charts, including bar, line and pie charts. To be able to calculate averages including some from a frequency table
Biology	Be able to describe a healthy diet and describe the issues around imbalances. Identify the tissues and organs of the human digestive system	Describe the importance of bacteria in the human digestive system Describe the impact of smoking and recreational drugs	Explain a simple model of chromosomes, genes and DNA, including the discovery of the DNA molecule Explain differences between species the variation	Explain the importance of maintaining biodiversity and the use of gene banks to preserve hereditary material.	Know the word equation for photosynthesis Describe the importance of photosynthesis	Describe the process of anaerobic respiration in humans and yeast
Chemistry	Explain the varying physical and chemical properties of different elements	Describe the concept and identification of a pure substance Describe mixtures, including dissolving	Explain reactions with acids and alkalis with metals.	Explain the order of metals and carbon in the reactivity series	Describe the composition and structure of the Earth and atmosphere Explain the rock cycle and the formation of	**Revisit of whole year, revisiting fundamentals topics from both year 7 and 8.** Focusing on skills and practical aptitude to prepare

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	Describe the properties of metals and non-metals	Explain diffusion in terms of the particle model			igneous, sedimentary and metamorphic rocks	for transition to in year 9.
Physics	Describe distance-time graphs in terms of speed. Calculate speed.	Explain the difference between average speed and instantaneous speed.	Describe what forces are and what they do.	Explain pressure on solids and how this is affected by force and area in contact.	Describe the solar system. Explain why we have days, nights and how different seasons arise.	Explain what waves are and how they are used.
PE	Be able to accurately replicate a pattern of movement showing fluency and control across different activities. Be able to describe a range of components of fitness and link them to specific sporting activities. Demonstrate skills in isolation across different sports applying to competitive situations where appropriate.		Be able to accurately replicate a pattern of movement showing fluency and control across different activities. Be able to describe a range of components of fitness and link them to specific sporting activities. Demonstrate skills in isolation across different sports applying to competitive situations where appropriate.		Be able to demonstrate co-ordination, accuracy and control across a range of sports in isolation and begin to develop positional awareness in competitive situations. Demonstrate skills in isolation across different sports applying to competitive situations where appropriate. Begin to demonstrate the application of tactics and decision making in different sporting scenarios.	
Religion and World views	<u>What do people mean by 'God'?</u> Students explore different religious interpretations of God through explicit teachings on the nature and personhood of God. Students will understand how these beliefs can make differences to one's own behaviour and conduct in modern society.		<u>What does God look like?</u> Students are encouraged to explore a variety of representations of God, why they differ and review the characteristics of a religious leader and how their beliefs/actions impact society. explore physical representations of God and why they differ. It aims to evaluate the motivations of religious leaders and assess the legacy of figures with authority. This will include evaluating the influence of leaders through a religious lens.			
Character and Culture	**How should I respect myself and**	**How can I respect other sexual**	**What skills do I need to develop**	**How can we respect others?**	**Debates about drugs** Evaluating some of the	**Avoiding unhealthy relationships**

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	others online? Dealing with impact of technology on relationships e.g. self-esteem, sexting, gaming, cyberbullying	**identities?** Values, orientation, consent, FGM, introduction to contraception	**for different careers pathways?** Dealing with changes in career pathways, learning to negotiate and persuade	Recognising all the different ways society is diverse in terms of faith, culture and gender	different attitudes to drugs	Knife crime, gangs, CCE, violence against women and girls, misinformation, disinformation and conspiracy theories.
Music	Understand how to perform chords on a keyboard in a Reggae style. Understand and demonstrate dotted rhythms and bass clef notation.	Understand about EDM and its stylistic features. Use a Digital Audio Workstation to compose a piece of EDM using samples, filters, sweeps and drops.	Understand the stylistic features of 'The Blues' and use them in performance. Understand how to improvise a short melodic idea using a pentatonic scale.	Understand the roles of different instruments within an orchestra. Compose a leitmotif for a fictional character.	Understand how to use the piano roll function in a Digital Audio Workstation.	Understand how time signatures impact music. Perform pieces of music in 3/4 and 2/4 time.
Drama	Horror -Building atmospheres and tensions	Comedy characters and storylines -Devising a story.	Theatre is not just acting -Looking at design and careers in theatre	Brecht and moral theatre.	Noughts and Crosses -Understanding world issues and bringing a script to life	
Computing	understand simple Boolean logic [for example, AND, OR and NOT] Understand how abstraction can be used everyday life Understand how decomposition. can be used to break down problems. Difference between lossy and lossless compression		Describe the importance of writing correct syntax in python Being able to formulate algorithms for simple programs and debugging their programs. Describe the three basic constructs in python- (Selection, iteration, sequence)		Describe how Bitmap and vector images are represented and stored by the computer. Photoshop skills in design, photo-editing and image manipulation using a suitable graphics package.	

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	Be able to write an algorithm using flowcharts to solve real life problems		
Tech – Food	Develop a deeper understanding of the requirements of a balanced diet and a range of practical skills to support this.	Develop a deeper understanding of the requirements of a balanced diet and a range of practical skills to support this.	Develop a deeper understanding of the requirements of a balanced diet and a range of practical skills to support this.
Tech – RM	Design and manufacture a Trinket Box using Timbers, cutting joints and creating a friction fit lid.	Design and manufacture a Trinket Box using Timbers, cutting joints and creating a friction fit lid.	Design and manufacture a Trinket Box using Timbers, cutting joints and creating a friction fit lid.
Tech – Graphics	Design and manufacture a Trinket Box using Timbers, cutting joints and creating a friction fit lid.	Design and manufacture a Trinket Box using Timbers, cutting joints and creating a friction fit lid.	Design and manufacture a Trinket Box using Timbers, cutting joints and creating a friction fit lid.
Tech - Textiles	Design and hand sew a slashed artifact using sewing machines and attaching a zip.	Design and hand sew a slashed artifact using sewing machines and attaching a zip.	Design and hand sew a slashed artifact using sewing machines and attaching a zip.

If you would like to read more about any of our individual subjects, full in-depth schemes of learning can be found in the curriculum area of our website.