

Year 5 Curriculum Coverage 2022

	Autumn 1 Food Glorious Food	Autumn 2 WWII	Spring 1 Historical Helmshore	Spring 2 Out of this World	Summer 1 Incredible Inventions	Summer 2 Amazing Amazon
English	Stories with historical setting: Narrative: New chapter or scene linked to novel/story "Oliver Twist" with a historical setting. Presentation linked to reading, e.g. <i>Is Fagin a hero or a villain?</i> Film/playscripts Classic narrative poetry	Narrative based on a model text with innovated plot structure. <i>The Lion, the Witch and the Wardrobe.</i> Non-Chronological report based upon mythical creatures in literature	Novel as a Theme: Narrative: <i>Goodnight Mr Tom</i> Setting Description: Identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own Non-Fiction: Persuasive Writing - a letter to persuade parents to evacuate their children	Science Fiction Stories: Non-Fiction: An information booklet about The Solar System which includes more than one non-fiction text type, e.g. non-chronological report, instructions and explanation (linked to learning opportunities in science). Poetry: Haiku and Limerick spaced themed poetry based on models.	Novel as a theme Narrative: <i>The Invention of Hugo Cabret</i> A short story or chapter for a novel about an invention Non-Fiction: Hybrid Magazine/information text	Stories from other cultures: Narrative: Diary from the point of view of Maia in <i>The Journey To The River Sea.</i> Non-Fiction: A persuasive speech about Deforestation. A debate.
Maths	Place value Place value (decimals) Written + and - including problems Geometry (angles) Geometry and measures (perimeter) Addition and subtraction (statistics)	Mental x and ÷ (factors, multiples) Division including problems Fractions (compare, order, equivalence) Multiplication and measures (area) Statistics and measures (time) Assess and review	Place value Roman numerals counting incl. negative numbers Addition and subtraction including problems Mental and written multiplication Measures (length, mass and capacity) Geometry (reflection and translation) Geometry (angles)	Place value Fractions Measures (time) and statistics Geometry Addition and subtraction Multiplication and division	Mental and written division 2D and 3D shape incl. sorting Calculating with fractions Measures (area and volume) Statistics and measures Assess and review	Place value Written calculations Fractions Measures (mass, volume and capacity) Area and volume of shapes Assess and review
Science	<i>Fair tests of everyday materials</i> To compare and group together everyday materials on the basis of their properties, including	<i>Growth and development of humans, exercise and the circulatory system</i> Describe the changes as humans develop to old age.	<i>Reversible and irreversible changes</i> To demonstrate that dissolving, mixing and changes of state are reversible changes.	<i>Earth and Space</i> To describe the movement of the Earth and other planets relative to the sun in the solar system.	<i>Forces.</i> To explain that unsupported objects fall towards the Earth because of the force of gravity acting between the	<i>Life cycles including humans</i> To describe the differences in the life cycles of a mammal, an

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	their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. To know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating. Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.	Animals are alive; they move, feed, grow, use their senses, reproduce, breathe/respire and excrete. To draw a timeline to indicating stages in the growth and development of humans. To identify the changes experienced in puberty.	Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.	To describe the movement of the moon relative to the Earth. To describe the sun, Earth and moon as approximately spherical bodies. To use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.	Earth and the falling object Identify. The effects of air resistance, water resistance and friction, that act between moving surfaces. To recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.	amphibian, an insect and a bird. To describe the life process of reproduction in some plants and animals. To work scientifically by researching the gestation periods of animals and comparing them with humans; by finding out and recording the length and mass of a baby as it grows.
Computing	iProgram (Unit 1) Designing and developing computer games.	iAlgorithm Unplugged activities -Searching, sorting and networks.	iWeb Remixing and creating web content using HTML	iProgram (Unit 2) Designing and developing multi-level X-Box games.	iCrypto Introduction to cryptography.	iSafe Becoming safe and responsible digital citizens.
History		WWII To know when WWII started. To learn about the countries and key individuals involved; To recall some details about key events. To describe what evacuation and rationing were. To explain how they worked and how different people were affected. To describe some of the jobs women did during the war.	What was the impact of WWII on Helmsore? To understand how the war impacted on life in Helmsore. To learn about how people from this area fought in the war and how many were killed. What did children do during the war and how women were employed to do jobs in factories that would have only be done by men pre-war?		Early Islamic civilisations. How advanced were they? To learn about the impact that the Islamic civilization had on the world. To understand why they were considered an advanced society in relation to that period of time in Europe. To describe the main changes in that period in history using words such as:	

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		To learn about the Holocaust and who suffered as a result.			social, religious, political, technological and cultural.	
Geography	South America To identify the names of, and locate, a number of South American countries. To learn about time zones and work out differences. To understand the main human and physical differences between developed and developing countries; To use Google Earth to locate a country or place of interest and to follow the journey of rivers, etc. To learn about key physical and human characteristics of a chosen location in South America.			Biomes, tundra and desert Use a world map to locate many of the world's rainforests. To understand what is meant by a biome (major ecological community extending over a large area and usually characterised by plants and animals which are adapted to that particular environment). To learn about the main biomes: tropical rainforest, desert, temperate forest (deciduous), grassland (temperate), savannah (tropical grassland), taiga forest (coniferous), tundra, marine and freshwater.		Rainforest To learn what a biome is; To know where many of the world's rainforest are situated; To understand the main features of a rainforest; To use the terms: biome, emergent layer, canopy, understory and forest floor.
Art		Sketching using different tools/media WWII Formal elements: Architecture - Monument. War memorial Snig Hole Park. Children learn how to draw from observation, create a print and draw from different perspectives. They learn about the role of an architect and are challenged to consider why houses look the way they do and if there is		Textured paintings/sculpture. Abstract imagery planet landscapes. Explore and create abstract paintings including 3D sculpture for imaginary planet surfaces. Investigate abstract painters (Jackson Pollock, Kandinsky, Jean Miro, and Mark Rothko). Research and examine images of planet surfaces. Make extensive drawings and paintings of all sizes and of different shapes.		Rainforest prints Explore the work of Henri Rousseau and contemporary artist Ruth Daniels, to further understanding of rainforest regions of South America. Discuss composition; where the whole picture is filled with foliage, to compare the observational skills of the artists; to express preferences and extend the use of artistic language and vocabulary.

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		scope to change and improve them. Creating a Christmas-themed monoprint that makes use of compositional dynamics				To investigate/ Improve observational drawing skills, developing these into larger printmaking in the style of Henri Rousseau. Create printing blocks. Use relief or impressed print methods. Create prints with three overlays. Work into prints with a range of media, e.g. coloured pencils, pastels and watercolour.
DT	Food from other cultures. What could be healthier? Discover the farm to fork process, understand the key welfare issues for rearing cattle. Compare the nutritional value of existing sauces and develop a healthier recipe.		Textiles. Designing a stuffed toy. Design a stuffed toy and make decisions on materials, decorations and attachments (appendages), after learning how to sew a blanket stitch.		Mechanical systems – cams, moving toys. Automata toys Develop a functional automata window display, to meet the requirements in a design brief. Explore and create cam, follower and axle mechanisms to mimic different movements.	
Music	Composition notation (theme Ancient Egypt - following on from Y4 Summer 2) To learn to identify the pitch and rhythm of written notes and experiment with notating their composition.	Blues. History of blues music and improvisation. To learn about this famous genre of music and its history, and learn to identify the key features and mood of Blues music and its importance and purpose.	Pitch and harmony. Songs of WWII. To develop a greater accuracy in pitch and control. Identifying pitches within an octave when singing and using knowledge of pitch to develop confidence when singing in parts	Out of this world. Special effects. Investigating John Williams. Listening and appraising. (composing) Listening to high quality recorded music and how musical elements can be used to create effects ie film music. To develop an understanding of the impact of special effects. Compose their own soundtrack whilst investigating the music of John Williams :	Looping and Mixing In this engaging topic, children learn about how dance music is created, focusing particularly on the use of loops.	South America. Whole class Instrumental To learn about the history and features of Latin America music, performing a salsa style song and playing from staff notation; performing a mini carnival using a range of performance techniques including song, dance, tuned and untuned musical instruments.

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PE	Invasion Games - Netball	Gymnastics	Dance - Earthlings	Yoga	Striking and Fielding - Cricket	Striking and Fielding - Rounders
	Dance - Country Dancing/ Swimming	Dance - Country Dancing/ Swimming	Invasion Games - Rugby	OAA	Orienteering	Athletics
PSHE	Being Me in My World	Celebrating Difference	Dreams and Goals	Relationships	Healthy Me	Changing Me
MFL	Introducing yourself(revision) (1) My holidays - writing about a holiday in the target language(2) Perfect, present and immediate future tenses(2) Modes of transport(1) Describing a town(1) Extended writing on holidays(1) Mr Hope scheme of work.	Describing things in your house(1) My house(1) Home and local activities(1) Daily routine(1) Chores(1) Speaking presentation about home and environment(1/2)	Describing food and drink that you like(1) Describing different diets(1) Parts of the body(1) Well-being(1) Ailments and solutions(1) Speaking presentation about health(1)	My school(1) School life(1) School rules(1) School subjects and opinions(1) Future education(1) Extended writing on school life(1)	Core vocabulary learning(3) Reading and listening(3)	Leisure/ past times(2) Clothing(1) Pocket money and spending(1) Writing about favourite leisure activity(2)
RE Where can people find guidance on how to live their lives?	Hinduism What might Hindus learn from stories about Krishna?	Christianity How do people decide what to believe?	Islam Why is the Qur'an important to Muslims?	Christianity What do we mean by a miracle?	Judaism Do people need laws to guide them?	Christianity Why is it sometimes difficult to do the right thing?