

Curriculum Overview for Year 5

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Literacy	Question topic What can we find out about space?		Question topic How o our lives compare to those in South America?		Question topic	
	Text – The Jamie Drake Equation – Christopher Edge		Text – the explorer by Katherine Rundell		Text – Who let the gods out? Maz Evans	
	<p>The Jamie Drake equation</p> <ul style="list-style-type: none"> - Who is Jamie? - What is it like having a dad who is an astronaut? • Setting description of alien planet • Diary entry about Jamie 	<p>Moon Landing</p> <ul style="list-style-type: none"> • Newspaper report of the moon landing • Apollo 11 drama • Biography of Neil Armstrong (or other famous astronaut) <p>Space narrative linking to class text – diary entry or story about space exploration</p>	<p>Brazil</p> <p>What do we know about South America/Brazil? What do we know about the Amazon?</p> <ul style="list-style-type: none"> • Setting description • Jungle narrative – link to The Explorer • Non chronological report about the Amazon 	<p>The mayans</p> <p>Who were the mayans? How did they live? How are they different to us today?</p> <ul style="list-style-type: none"> • Explanation text – how did the mayans live? • Diary entry – day in the life of a mayan <p>British value - Crime and Punishment in the Mayan times</p>	<p>Who were the greeks? How did they live?</p> <ul style="list-style-type: none"> - Non chron report - Narrative - Character description of greek gods 	<p>British value – democracy</p> <ul style="list-style-type: none"> - Balanced argument - Debate - Explanation text
SPAG	<ul style="list-style-type: none"> ▪ Language of grammar. ▪ Use further prefixes and suffixes and understand the guidelines for adding them; convert nouns or adjectives into verbs using suffixes (e.g. -ate; -ise; -ify); ▪ Use further prefixes and suffixes and understand the guidelines for adding them; verb prefixes (e.g. dis-, de-, mis-, over- and re-). ▪ Use relative clauses beginning with <i>who</i>, <i>which</i>, <i>where</i>, <i>why</i>, <i>whose</i>, <i>that</i> or with an implied (i.e. omitted) relative pronoun ▪ Devices to build cohesion within a paragraph e.g. then, after that, this, firstly. ▪ Linking ideas across paragraphs using adverbials of time. 	<ul style="list-style-type: none"> ▪ Use dictionaries to check the spelling and meaning of words ▪ Use a thesaurus. ▪ Recognise vocabulary and structures that are appropriate for formal speech and writing, including the subjunctive. ▪ Devices to build cohesion within a paragraph e.g. then, after that. ▪ Linking ideas across paragraphs using adverbials of time. ▪ Relative clauses beginning with who, which, where, why, whose, that, or an omitted relative pronoun. 	<ul style="list-style-type: none"> ▪ Modal verbs. ▪ Use commas to clarify meaning or avoid ambiguity. ▪ Brackets, dashes or commas to indicate parenthesis. ▪ Use of commas to clarify meaning. ▪ Difference between informal and formal speech in writing. 	<ul style="list-style-type: none"> ▪ Use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary. ▪ Use a colon to introduce a list. ▪ Building cohesion within a paragraph. ▪ Linking ideas across paragraphs using adverbials of time 	<ul style="list-style-type: none"> ▪ .Use brackets, dashes or commas to indicate parenthesis. ▪ Indicating degrees of possibility using modal verbs e.g.might, should, will must. ▪ Devices to build cohesion within a paragraph e.g. then, after that. ▪ Linking ideas across paragraphs using adverbials of time. ▪ Relative clauses beginning with who, which, where, why, whose, that, or an omitted relative pronoun. ▪ 	<p>Indicating degrees of possibility using modal verbs e.g.might, should, will must</p>
Class Book	Phoenix					

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Applying literacy skills.	<ul style="list-style-type: none">Job spec on what makes a good leader.Speech to be elected as vice captains.Biographies of famous scientists who contributed to how we know about the world today.Explanations of day and night and the seasons.	<ul style="list-style-type: none">Speech to be elected school councillorsSpoke language debate – presenting to the classNewspaper report on important events	<ul style="list-style-type: none">Non chron writingDescribing the reproduction of plant life cycles	<ul style="list-style-type: none">Describing the life cycles of animalsPersuasive letters about fair-trade/supporting the rainforest?	<ul style="list-style-type: none">Investigating life in Ancient Greek times and Greece todayReports on castles – focusing on dungeons!	<ul style="list-style-type: none">Speeches on deciding whether to support democracyHistory of the olympics
French	<ul style="list-style-type: none">HobbiesConversationSchool subjects		Weather – les temps Seasons, describing the weather, Comparing UK weather to Brazil		Clothes Expressing opinions	
Maths	Number and place value Number = and- Number x and÷ Fractions, decimals and percentages. Number x and ÷ Measurement. Statistics.	Number – place value Measurement. Number x and÷ Fractions decimals and percentages Number x and÷ Fractions decimals and percentages Number = and – Geometry.	Number and place value Measurement. Number + and – Measurement Number + and – Measurement Statistics Number x and÷ Fractions decimals and percentages.	Number and place value Number + and – Number and place value Measures Number x and÷ Fractions decimals and percentages. Number x and ÷ Measurement Geometry	Number and place value Number + and – Number x and ÷ Fractions decimals and percentages. Measurement. Number – place value Measurement. Statistics	Number- place value Measurement. Number x and÷ Fractions, decimals and percentages. Ratio and proportion Fraction, decimals nad percentages Ratio and proportion Geometry
Applying maths skills	<ul style="list-style-type: none">Investigating the size and distance of the planetsDaylight hours graph and times throughout the yearGravity/air resistance/water resistance investigationsRoman numeralsOrganising timelines in chronological orderMeasuring and converting distances cm/m/km		<ul style="list-style-type: none">Map skills – locating countries of s America on a mapCorrdinates skills locating places/cities/riverMoney – fair-trade – how much money/labour/hours?Fractions – cost of items in s America compared to ukGraphs to show deforestation in amazonOrdering timelines to show Mayan history		<ul style="list-style-type: none">Timelines of Ancine tgreek achievementsMap skills – where is Greece in comparison to Europe and the rest of the world?Measuring and making Olympic torchesMeasuring times and distances (Olympic events)	
Science	<p><u>Forces</u></p> <p>What a force does. Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Gravity- investigating flying broomsticks- air resistance. Identify the effects of air resistance, water resistance and friction that act between moving surfaces. Recognise that some mechanisms including levers, pulleys and gears, allow a smaller force to have greater effect.</p> <p>Focus – Prediction and recording results</p> <p>Maths: Turning results into graphs.</p>	<p>Earth and space.</p> <p>Describe the movement of The Earth, and the other planets, relative to the Sun in the Solar System. Describe the movement of the Moon relative to the Earth. Describe the Sun, Earth and Moon as approximately spherical bodies. Use the idea of the Earth's rotation to explain night and day and the apparent movement across the sky.</p> <p>How do the seasons happen? The different stars. Star signs and stars in the sky.</p> <p>Focus: showing knowledge learnt.</p> <p>Maths focus: radius drawing circles. Time e.g. hours in a day, days in a year.</p>	<p>Living things and their habitats.</p> <p>Describe the life processes of reproduction in some plants and animals.</p> <p>Focus: Conclusions- from my science work I learnt.</p> <p>Maths- measuring plants and growth.</p> <p>Link to animals found in the amazon rainforest</p>	<p>Animals including humans.</p> <p>Describe the difference in the life cycles of a mammal, an amphibian, an insect and a bird.</p> <p>Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution. Describe the changes humans develop to old age.</p> <p>Timelines in age</p>	<p>Properties and changes of materials.</p> <p>How magically materials can change their state?</p> <p>Compare and group together everyday materials on the basis of their properties including their hardness, solubility, transparency, conductivity (electrical and thermal) and response to magnets. Understand that some materials will dissolve in a 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 have been separated, including filtering, sieving and evaporating. Give reasons based on evidence from comparative and fair tests, for particular uses of everyday materials including metals, wood and plastic. Demonstrate that dissolving, mixing and changes of state are reversible changes. 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 action on bicarbonate of soda. Science Focus: science diagrams to show how their learning was set up.</p>	
Computing	Internet safety	Coding Powerpoint.	Publisher Powerpoint	Scratch.		

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History	History of the space race Relations between USA /USSR Watch footage of the moon landings Timelines Comparing moon landing to now – how many space explorations? Comparing the role of women in the space industry to now – any famous women at NASA? (SEAL link) Comparing primary sources		How did the mayans live? Investigate civilisation – what did they believe in? Gods/battle/sacrifice/traditions etc Compare to now – what do we do differently The extinction of the civilisation		<ul style="list-style-type: none"> How did people live in the past? How did life compare to now? What was society like? How did democracy work? How were the Olympics introduced? 	
Geography	What can we see from space? <ul style="list-style-type: none"> Aerial views linking cities continents and countries Longitude and Greenwich meridian – can we explain time zones? 		Where is brazil? Look at countries of south America – what is a continent/country/city Map the area – identify key areas on a map – look at atlases and ordinance surveys Compare the land/forest with a uk landmark – compare amazon to Sherwood forest Layers of the rainforest Journey of the river amazon through south America Rivers – erosion over time – link to deforestation of the rainforest (produce graph) Fieldwork – what is fair-trade? How many shops in Hemsworth sell fair-trade? (local visit round town)		<ul style="list-style-type: none"> Look at local area – do we know any castles? Map and co-ordinates of Greece – 8 figure grid ref Calculating distances How has the area changed since ancient times 	
Educational Visits	National Space Centre			Robinwood residential visit.		<u>Olympic day at Ackworth</u>
Outdoor Learning/ Learning in the community	Outdoor art work created from all year groups Buildings on the high street? Hemsworth walk around	Harvest Festival Poppy celebration Christingle Showcasing our art to parents in art gallery	Making rainforests using natural items Investigating fair-trade in the local shops in Hemsworth	Easter Service French - outdoors (General conversation) Presenting our projects about the amazon to parents		
PE	Swimming. Denis Oates – games		Swimming Featherstone rovers		Swimming Table tennis	
Art	<ul style="list-style-type: none"> Peter Thorpe Colour matching Investigating tones and shades of colours Mixing colours 		Pencil art – symmetry – animal portraits Botanical illustrations of plants found in the amazon – link to science Pencil/watercolour sketches		Clay figures inspired by Greek pottery	
DT	<ul style="list-style-type: none"> Making the moon move 		Constructing mini rainforests		Olympic torches	
Music	Composition of space music.		Brazilian music			Samba drumming
Cook It						
Grow it						
SEAL	SEAL- New beginnings	SEAL- Getting on and falling out.	SEAL- Going For Goals	SEAL- Good to be me	SEAL- Relationships	SEAL- Changes