

Year 5

	Unsolved Mysteries	To Infinity and Beyond	Walk like an Egyptian	A Great American Road trip	The Secret Garden	The Whale Road to England
	<u>Autumn 1</u> <u>Educational Visits/ Experiences:</u> HLC Detectives- solve a mystery in school	<u>Autumn 2</u> <u>Educational Visits/ Experiences:</u> VR visit (space)	<u>Spring 1</u> <u>Educational Visits/ Experiences:</u> Big Sing	<u>Spring 2</u> <u>Educational Visits/ Experiences:</u> Theatre trip – Holes (May) Big Sing	<u>Summer 1</u> <u>Educational Visits/ Experiences:</u> Attingham Park Cinema trip – Secret Garden (Orbit – Wellington) John Muir	<u>Summer 2</u> <u>Educational Visits/ Experiences:</u> Viking visitor encampment John Muir
	<u>Class Reading Book:</u> Choose your own adventure: The Abominable Snowman The Nowhere Emporium Treskillian The London Eye Mystery Mysteries and Mayhem Murder Most Unladylike The Infinite Lives of Maisie Day House of Air – Philip Gross	<u>Class Reading Book:</u> Cosmic – my cousin is a time traveller The skies above her eyes Curiosity: The story of the Mars Rover Hidden Figures: The True Story of Four Black Women and the Space Race	<u>Class Reading Book:</u> Red Pyramid The Secrets of the Sun King Pharaoh's Fate So You Think You've Got It Bad: A Kid's Life in Ancient Egypt The Legend of Tutankhamun	<u>Class Reading Book:</u> Holes - Louis Sacher The Boy at the back of the class Crossing the Wire Blue Sky, White Star The 50 States Our Great Big Backyard	<u>Class Reading Book:</u> The Curious Garden The Secret Garden Toby Alone Tom's Midnight Garden The Owl Tree Bloom A Seed is Sleepy	<u>Class Reading Book:</u> The Golden Amulet Viking Boy Odd and the Frost Giant The Saga of Eric the Viking Arthur and the Golden Rope Viking in 30seconds How to Train Your Dragon
	<u>STEM:</u> How can I clean dirty water to make it safe enough to drink? <u>Maths focus:</u> Measures (capacity) To estimate, compare and calculate different measures, Measures (mass)	<u>STEM:</u> How can I design my own NASA device? <u>Maths focus:</u> Number To use all four operations to solve problems involving measure, including scaling.	<u>STEM:</u> How can I design a system with a pulley to move building materials to the top of a pyramid? <u>Maths focus:</u> Measures – (Height & mass) To solve problems involving the	<u>STEM:</u> How can I design a building that fits into the Art Deco period of architecture? <u>Maths focus:</u> To solve problems involving the calculation and conversion of units of measure.	<u>STEM:</u> How can I give a plant the best chance of survival? <u>Maths focus:</u> Time Solve time problems Measure time taken to grow plant.	<u>STEM:</u> How can I design a Viking catapult using only natural materials? <u>Maths focus:</u> Geometry To compare and classify angles & geometric shapes; to identify angles in 2D shapes in

	Estimate and measure gravel, sand and soil needed		calculation and conversion of units of measure. Ratio Number of cogs/turns of wheel	Shape Explore symmetry and repeating patterns including tessellation	Statistics Record and analyse data	different orientations. Number To use all four operations to solve problems involving measure, including scaling.
	<p>Science: Properties and changes of Materials</p> <p><i>Through this topic the children will look at:</i></p> <ul style="list-style-type: none"> -Comparing and grouping together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. -Knowing that some materials will dissolve in liquid to form a solution (Reversible and irreversible changes) - Decide how mixtures might be separated, including through filtering, sieving and evaporating. 	<p>Science: Earth and space</p> <p><i>Through this topic the children will look at:</i></p> <ul style="list-style-type: none"> -Describing the movement of the Earth and other planets relative to the sun in the solar system. -Describing the movement of the moon relative to the Earth. -Describing the sun, Earth and moon as approximately spherical bodies. -Using the idea of the Earth's rotation to explain day and night and the apparent 	<p>Science: Forces</p> <p><i>Through this topic the children will look at:</i></p> <ul style="list-style-type: none"> -Explaining that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. -Identifying the effects of air resistance, water resistance and friction, that act between moving surfaces. -Recognising that some mechanisms 	<p>Science: Animals including humans (life cycles)</p> <p><i>Through this topic the children will look at:</i></p> <ul style="list-style-type: none"> -Drawing a timeline to indicate stages in the growth and development of humans. -The changes experienced in puberty. -Recognising the stages of development during childhood and understand the needs of children at those stages. 	<p>Science: Animals including humans</p> <p><i>Through this topic the children will look at:</i></p> <ul style="list-style-type: none"> -Describing the changes as humans develop to old age. -The gestation periods of other animals and comparing them with humans. 	<p>Science: Living things and their habitats</p> <p><i>Through this topic the children will look at:</i></p> <ul style="list-style-type: none"> -Describing the differences in the life cycles of a mammal, an amphibian, an insect and a bird. -Describing the life process of reproduction in some plants and animals.

		movement of the sun across the sky.	including levers, pulleys and gears allow a smaller force to have a greater effect.			
		Design Technology- Construction & Textiles		Design Technology- Mechanisms – gears /pulleys Design and build a moving bridge.		Design Technology- Food Technology Research and make a loaf of Viking bread.
	Computing - e-Safety	Computing - Presenting information (Information Technology)	Computing - Tinkercad (Information Technology)	Computing - Green Screen (Information Technology)	Computing - Loops and variables (Computer Science)	Computing – Search technology and databasing (Digital Literacy)
	PSHE- Anti-bullying How do the rewards and consequences support you with the choices you make about your own behaviour?	PSHE- Celebrating Differences Why is racism and other forms of discrimination unkind?	PSHE- Dreams and Goals How can you communicate with, support and learn from someone from a different culture?	PSHE- Healthy Me How can you help people in emergency situations?	PSHE- Relationships What are the rights and responsibilities for an online community or social network and what are the positive and negative consequences?	PSHE- Changing me How are babies usually made and why do some people need IVF to help them have a baby?
	Physical Education: Swimming (Indoor) Football (Outdoor) Active Learning Challenge	Physical Education: Dodgeball (Indoor) Netball (Outdoor) Active Learning Challenge:	Physical Education: Sports Leadership (Indoor) Orienteering (Outdoor)	Physical Education: Swimming (Indoor) Tennis (Outdoor)	Physical Education: Gymnastics (Indoor) Athletics (Outdoor)	Physical Education: Dance (Indoor) Rounders (Outdoor) Active Learning Challenge:

	<p>September: Run, Run as fast as you can! October: Skip it</p>	<p>November: Star power December: Squat it like it's hot</p>	<p>Active Learning Challenge: January: Table o'clock February: Let's go noodle</p>	<p>Active Learning Challenge: March: HLC shake it up April: Ab blast</p>	<p>Active Learning Challenge: May: Hopping mad!</p>	<p>June: Run to the finish line. July: The Great HLC Sports Event</p>
	<p>RE- Hinduism – Enquiry Question: What is the best way for a Hindu to show commitment to God?</p>	<p>RE- Christianity – Enquiry Question: Is the Christmas story true?</p>	<p>RE- Hinduism – Enquiry Question: How can Brahman be everywhere and in everything?</p>	<p>RE- Christianity- Enquiry Question: How significant is it for Christians to believe God intended Jesus to die?</p>	<p>RE- Hinduism- Enquiry Question: Do beliefs in Karma, Samsara and Moksha help Hindus lead good lives? (Hinduism)</p>	<p>RE- Christianity- Enquiry Question: What is the best way for a Christian to show commitment to God?</p>
		<p>Art- Painting Create a painting of a galaxy</p>		<p>Art- Sculpture Explore and create an art deco inspired 3D freestanding building.</p>	<p>Art- Drawing Draw a nature inspired picture using a grid.</p>	
	<p>Music</p>	<p>Music Notation of Rhythms and Dynamics.</p>	<p>Music The Big Sing Rehearsals and Workshops</p>	<p>Music - The Big Sing Performance</p>	<p>Music- Working with Sounds</p>	<p>Music- World Music (Latin)</p>
	<p>Languages The Phonics Unit</p>	<p>Languages Eating Out</p>	<p>Languages Classroom language</p>	<p>Languages Hobbies</p>	<p>Languages The Grammar Unit</p>	<p>Languages The Four Seasons</p>
	<p>Geography - Unusual Landscapes Identify and compare Mountain ranges of the UK and the World</p>		<p>Geography - The Water Cycle Identify key aspects of rivers & describe process of the Water Cycle.</p>	<p>Geography - Natural disasters that affect the USA and North America. Why do some earthquakes cause</p>		<p>Geography Place Knowledge. Practice and apply Mapping skills. Exploring why the Anglo-Saxons chose the places they did</p>

	How does tourism affect mountain regions across the world?			more damage than others?		to settle down in the UK.
		<p><u>History</u> – famous people enquiry skills: astronomers</p> <p>How significant were Galileo, Copernicus and Herschel in developing our knowledge of astronomy and the solar system?</p>	<p><u>History</u> - Ancient Egypt</p> <p>Why are the achievements and innovations of the Ancient Egyptians so important to us nowadays?</p>		<p><u>History</u> – (optional)</p> <p>To refine historical enquiry skills and questioning by discussing the hierarchy of people within the key text: The Secret Garden</p>	<p><u>History</u>- Vikings & Anglo Saxons</p> <p>To what extent were the Anglo-Saxons successful in their power struggle against the Vikings?</p>
	<p><u>Outdoor Learning</u></p> <p>Collect dirty water from Forest School and create a water filter to clean the water.</p> <p>https://hubpages.com/education/clean-water</p> <p>Identify and draw the landscape of our Forest School.</p>	<p><u>Outdoor Learning John Muir (5A)</u></p> <p>Conservation and uses of land</p>	<p><u>Outdoor Learning John Muir (5A)</u></p> <p>Conservation and uses of land</p>	<p><u>Outdoor Learning John Muir (5B)</u></p> <p>Paddock Mount, Ketley</p>	<p><u>Outdoor Learning John Muir (5B)</u></p> <p>Paddock Mount, Ketley</p> <p>Pond dipping</p>	<p><u>Outdoor Learning</u></p> <p>Plan and create a Viking catapult using natural materials out in Forest School.</p> <p>Use our FS to observe living things and research their life cycles.</p>