

Year Five Long Term Curriculum Plan



Hadley Learning Community

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

Unsolved Mysteries

To Infinity and Beyond

Walk like an Egyptian

A Great American Road trip

The Secret Garden

The Whale Road to England

Educational Visits and Experiences

Educational Visits/ Experiences: HLC Detectives- solve a mystery in school

Educational Visits/ Experiences: VR visit (space) John Muir

Educational Visits/ Experiences: John Muir Big Sing

Educational Visits/ Experiences: Theatre trip – Holes (May) Big Sing

Educational Visits/ Experiences: Attingham Park
Cinema trip – Secret Garden (Orbit – Wellington)

Educational Visits/ Experiences: Viking visitor encampment

Class Reading Books

Class Reading Book:
Choose Your Own Adventure: The Abominable Snowman
The Nowhere Emporium – Ross MacKenzie
The London Eye Mystery
Mysteries and Mayhem
Murder Most Unladylike
The Infinite Lives of Maisie Day
House of Air–Philip Gross

Class Reading Book:
The Jamie Drake Equation – Christopher Edge
Cosmic
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

Class Reading Book:
Red Pyramid
The Secrets of the Sun King – Emma Carroll
Pharaoh's Fate
So You Think You've Got It Bad: A Kid's Life in Ancient Egypt
The Legend of Tutankhamun

Class Reading Book:
Holes - Louis Sacher
The Boy at the Back of the Class
Crossing the Wire
Blue Sky, White Stas
The 50 States
Our Great Big Backyard

Class Reading Book:
The Curious Garden
The Secret Garden – Frances Hodgson Bunett
Toby Alone
Tom's Midnight Garden
The Owl Tree
Bloom
A Seed is Sleepy

Class Reading Book:
The Golden Amulet – Alex Woolf
Viking Boy
Odd and the Frost Giant
The Saga of Eric the Viking
Arthur and the Golden Rope
Viking in 30 Seconds
How to Train Your Dragon

STEM

STEM: How can I clean dirty water to make it safe enough to drink?

Maths focus:
Measures (capacity) To estimate, compare and calculate different measures,
Measures (mass)
Estimate and measure gravel, sand and soil needed

STEM: How can I design my own NASA device?

Maths focus:
Number
To use all four operations to solve problems involving measure, including scaling.

STEM: How can I design a system with a pulley to move building materials to the top of a pyramid?

Maths focus: Measures – (Height & mass)
Calculation and conversion of units of measure.
Ratio - Number of cogs/turns of wheel

STEM: How can I design a building that fits into the Art Deco period of architecture?

Maths focus:
Calculation and conversion of units of measure.
Shape
Explore symmetry and repeating patterns including tessellation

STEM: How can I give a plant the best chance of survival?

Maths focus:
Time
Solve time problems
Measure time taken to grow plant.
Statistics
Record and analyse data

STEM: How can I design a Viking catapult using only natural materials?

Maths focus:
Geometry - compare and classify angles & geometric shapes; to identify angles in 2D shapes in different orientations.

YEAR FIVE

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<p style="text-align: center;">Science</p>	<p>Science: Properties and changes of Materials -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.</p> <p>-Knowing that some materials will dissolve in liquid to form a solution (Reversible and irreversible changes)</p> <p>- Decide how mixtures might be separated, including through filtering, sieving and evaporating.</p>	<p>Science: Earth and space -Describing the movement of the Earth and other planets relative to the sun in the solar system.</p> <p>-Describing the movement of the moon relative to the Earth.</p> <p>-Describing the sun, Earth and moon as approximately spherical bodies.</p> <p>-Using the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.</p>	<p>Science: Forces - Explaining that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.</p> <p>-Identifying the effects of air resistance, water resistance and friction, that act between moving surfaces.</p> <p>-Recognising that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.</p>	<p>Science: Animals including humans (life cycles) -Drawing a timeline to indicate stages in the growth and development of humans.</p> <p>-The changes experienced in puberty.</p> <p>-Recognising the stages of development during childhood and understand the needs of children at those stages.</p>	<p>Science: Animals including humans -Describing the changes as humans develop to old age.</p> <p>-The gestation periods of other animals and comparing them with humans.</p>	<p>Science: Living things and their habitats -Describing the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</p> <p>-Describing the life process of reproduction in some plants and animals.</p>
<p style="text-align: center;">Design Technology</p>		<p>Design Technology- Construction & Textiles Design and create a kite for NASA.</p>		<p>Design Technology- Mechanisms – gears /pulleys Design and build a moving bridge.</p>		<p>Design Technology- Food Technology Research and make a loaf of Viking bread.</p>
<p style="text-align: center;">Computing</p>	<p>Computing - e-Safety</p>	<p>Computing - Presenting information (Information Technology)</p>	<p>Computing - Tinkercad (Information Technology)</p>	<p>Computing - Green Screen (Information Technology)</p>	<p>Computing - Loops and variables (Computer Science)</p>	<p>Computing – Search technology and databasing (Digital Literacy)</p>

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<p>PSHE</p>	<p><u>PSHE</u>- Anti-bullying How do the rewards and consequences support you with the choices you make about your own behaviour?</p>	<p><u>PSHE</u>- Celebrating Differences Why is racism and other forms of discrimination unkind?</p>	<p><u>PSHE</u>- Dreams and Goals How can you communicate with, support and learn from someone from a different culture?</p>	<p><u>PSHE</u>- Healthy Me How can you help people in emergency situations?</p>	<p><u>PSHE</u>- Relationships What are the rights and responsibilities for an online community or social network and what are the positive and negative consequences?</p>	<p><u>PSHE</u>- Changing me How are babies usually made and why do some people need IVF to help them have a baby?</p>
<p>Physical Education</p>	<p><u>Physical Education:</u> Swimming (Indoor) Football (Outdoor) <u>Active Learning Challenge</u> September: Run, Run as fast as you can! October: Skip it</p>	<p><u>Physical Education:</u> Dodgeball (Indoor) Netball (Outdoor) <u>Active Learning Challenge:</u> November: Star power December: Squat it like it's hot</p>	<p><u>Physical Education:</u> Sports Leadership (Indoor) Orienteering (Outdoor) <u>Active Learning Challenge:</u> January: Table o'clock February: Let's go noodle</p>	<p><u>Physical Education:</u> Swimming (Indoor) Tennis (Outdoor) <u>Active Learning Challenge:</u> March: HLC shake it up April: Ab blast</p>	<p><u>Physical Education:</u> Gymnastics (Indoor) Athletics (Outdoor) <u>Active Learning Challenge:</u> May: Hopping mad!</p>	<p><u>Physical Education:</u> Dance (Indoor) Rounders (Outdoor) <u>Active Learning Challenge:</u> June: Run to the finish line. July: The Great HLC Sports Event</p>
<p>RE</p>	<p><u>RE- Hinduism –</u> Enquiry Question: What is the best way for a Hindu to show commitment to God?</p>	<p><u>RE- Christianity –</u> Enquiry Question: Is the Christmas story true?</p>	<p><u>RE- Hinduism –</u> Enquiry Question: How can Brahman be everywhere and in everything?</p>	<p><u>RE- Christianity-</u> Enquiry Question: How significant is it for Christians to believe God intended Jesus to die?</p>	<p><u>RE- Hinduism-</u> Enquiry Question: Do beliefs in Karma, Samsara and Moksha help Hindus lead good lives? (Hinduism)</p>	<p><u>RE- Christianity-</u> Enquiry Question: What is the best way for a Christian to show commitment to God?</p>
<p>Art</p>		<p><u>Art- Painting</u> Create a painting of a galaxy</p>		<p><u>Art- Sculpture</u> Explore and create an art deco inspired 3D freestanding building.</p>	<p><u>Art- Drawing</u> Draw a nature inspired picture using a grid.</p>	

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Music	Music Working with Sounds Keyboard (Secondary)	Music Keyboard Notation of Rhythms and Dynamics. (Secondary)	Music The Big Sing Rehearsals and Workshops Keyboard (Secondary)	Music- The Big Sing Performance	Music- Keyboard (Secondary)	Music- World Music (Latin) Keyboard (Secondary)
Languages	Languages The Phonics Unit	Languages Eating Out	Languages Classroom language	Languages Hobbies	Languages The Grammar Unit	Languages The Four Seasons
Geography	Geography - Unusual Landscapes Identify and compare Mountain ranges of the UK and the World How does tourism affect mountain regions across the world?		Geography - The Water Cycle Identify key aspects of rivers & describe process of the Water Cycle.	Geography - Natural disasters that affect the USA and North America. Why do some earthquakes cause more damage than others?		Geography Place Knowledge. Practice and apply Mapping skills. Exploring why the Anglo-Saxons chose the places they did to settle down in the UK.
History		History – famous people enquiry skills: astronomers How significant were Galileo, Copernicus and Herschel in developing our knowledge of astronomy and the solar system?	History - Ancient Egypt Why are the achievements and innovations of the Ancient Egyptians so important to us nowadays?		History – (optional) To refine historical enquiry skills and questioning by discussing the hierarchy of people within the key text: The Secret Garden	History- Vikings & Anglo Saxons To what extent were the Anglo-Saxons successful in their power struggle against the Vikings?
Outdoor Learning	Outdoor Learning Collect dirty water from Forest School and create a water filter to clean the water. https://hubpages.com/education/clean-water Identify and draw the landscape of our Forest School.	Outdoor Learning John Muir (5A) Conservation and uses of land	Outdoor Learning John Muir (5A) Conservation and uses of land	Outdoor Learning John Muir (5B) Paddock Mount, Ketley	Outdoor Learning John Muir (5B) Paddock Mount, Ketley Pond dipping	Outdoor Learning Plan and create a Viking catapult using natural materials out in Forest School. Use our FS to observe living things and research their life cycles.