

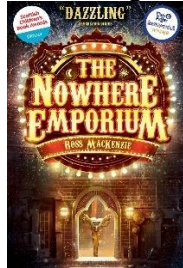
Year 5 Long Term Curriculum Plan



	Unsolved Mysteries Autumn 1	To Infinity and Beyond Autumn 2	Walk like an Egyptian Spring 1	A Great American Road trip Spring 2	The Secret Garden Summer 1	The Whale Road to England Summer 2
Educational Visits and Experiences	<ul style="list-style-type: none"> - HLC Detectives- solve a mystery in school - Science-Costa Keeping drinks insulated - Hindu Temple-Dawley 	<ul style="list-style-type: none"> - VR visit (space) Planetarium Dome - John Muir Award - Arthog Outreach 	<ul style="list-style-type: none"> - John Muir Award - Big Sing - Egyptian Man/ Birmingham Art Museum Resource Boxes 	<ul style="list-style-type: none"> - Theatre visit to the Wolverhampton Grand - Big Sing 	<ul style="list-style-type: none"> - Attingham Park – Photography and Art link 	<ul style="list-style-type: none"> - Viking Boxes from Birmingham Museum - Viking Encampment

Reading

Class Reading Book:



Reading Suggestions

High Rise Mystery – Sharna Jackson
 Wildspark – Vashti Hardy
 Mysteries of Harris Burdick – Chris Van Allsburg
 The Imaginaries: Little Scraps of Larger Stories – Emily Winfield Martin
 The Sinclair Mysteries- Book 1 Peril in Paris – Katherine Woodfine
 Murder most Unladylike – Robin Stevens
 Mystery & Mayhem: Twelve Deliciously Intriguing Mysteries edited by Katherine Woodfine
 The Clockwork Sparrow – Katherine Woodfine
 Forensic Science DK Eyewitness Guide
 Discovering the fascinating methods scientists use to solve crimes

Class Reading Book:



Reading Suggestions

The Skies Above Her Eyes – Charlotte Gullain and Yuval Zommer
 Curiosity: The story of the Mars Rover
 The Infinite Lives of Maisie Day – Christopher Edge
 Phoenix – SF Said
 Georges Secret Key to the Universe – Lucy & Stephen Hawking
 Sam Wu is not Afraid of Space – Kevin & Katie Tsang (final book in the Sam Wu series)
 The Boy Who Made the World Disappear – Ben Miller
 Tim Peake: Ask an Astronaut – Tim Peake (non fiction)
 The Kid Who Came From Space – Ross Welford
 Barefoot Books: Solar System – Anne Jankielowitch
 Planetarium: Welcome to the Museum – Raman Prinja (non fiction)
 Space Exploration DK Eyewitness Guide
 Planet DK Eyewitness Guide

Class Reading Book:



Reading Suggestions

Marcy and the Riddle of the Sphinx (Brownstone's Mythical Collection) Joe Todd-Stanton
 Jake Atlas and the Tomb of the Emerald Snake Rob Lloyd-Jones
 Ancient Egypt Tales of Gods and Pharaohs Marcia Williams (non fiction)
 I Was There Tutankhamun's Tomb – Sue Reid (ideal age Yrs 3-4)
 The Story of Tutankhamun – Patricia Cleveland-Peck (non fiction)
 So You Think You've Got it Bad? A Kids Life in Ancient Egypt – Chae Straethie (non fiction)
 Ancient Egypt Eyewitness Guide (DK) (non fiction)

Class Reading Book:

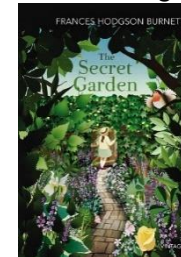


Reading Suggestions

The Undeclared – Kwame Alexander
 The Good Thieves – Katherine Rundell
 50 Trailblazers of the 50 States – Howard Megdal
 Kidnap on the Californian Comet – MG Leonard/Sam Sedgman
 Trouble in New York – Sylvia Bishop
 Guggenheim Mystery – Robin Stevens/Siobhan Dowd
 Rosa & the Daring Dog – Megan Rix
 Hidden Figures: The True Story of 4 Black American Women & the Space Race – Margot Lee Shetterly
 The Accidental President – Tom McLaughlin
 A Day in the Life of Marlon Bundo – Jill Twiss
 How High the Moon – Karyn Parsons

Poetry: Nikki Giovanni: Springtime

Class Reading Book:

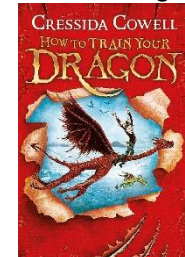


Reading Suggestions

Tom's Midnight Garden – Philippa Pearce
 The Garden of Lost Secrets – AM Howell
 The Ice Garden – Guy Jones
 Lost World – Jackie Morris
 I am The Seed that Grew the Tree: A Nature Poem for Every Day of the Year – Fiona Waters
 Picture books on this theme:
 The Flower – John Light
 The Promise – Nicola Davies
 The Night Gardner – Terry & Eric Fan

Poetry: William Wordsworth: Daffodils

Class Reading Book:



Reading Suggestions

Arthur and the Golden Rope – Joe Todd-Stanton
 The Dragon's Hoard – Tales from Viking Sagas – Lari Don
 Erik the Viking – Terry Jones
 The Vikings: Raiders, Traders & Adventurers – Marcia Williams (non fiction)
 Viking Voyagers – Jack Tite (non-fiction)
 Viking – DK Eyewitness Guide
 Norse Myths: Tales of Odin, Thor and Loki – Kevin Crossley Holland

Writing

	<p>Develop planning skills, critically evaluate and use appropriate features</p> <p><u>Text types:</u></p> <p><u>Writing to entertain:</u></p> <ul style="list-style-type: none"> • Narratives • Descriptions • Poetry <p><u>Writing to inform:</u></p> <ul style="list-style-type: none"> • Report • Biography <p><u>Writing to persuade:</u></p> <ul style="list-style-type: none"> • Advertising <p><u>Writing to discuss:</u></p>	<p>Develop planning skills, critically evaluate and use appropriate features</p> <p><u>Text types:</u></p> <p><u>Writing to entertain:</u></p> <ul style="list-style-type: none"> • Narratives • Characters & settings • Poetry <p><u>Writing to inform:</u></p> <ul style="list-style-type: none"> • Recount (Diary) • Newspaper <p><u>Writing to persuade:</u></p> <ul style="list-style-type: none"> • Campaign • Letter <p><u>Writing to discuss:</u></p> <ul style="list-style-type: none"> • Balanced argument 	<p>Develop planning skills, critically evaluate and use appropriate features</p> <p><u>Text types:</u></p> <p><u>Writing to entertain:</u></p> <ul style="list-style-type: none"> • Narratives • Descriptions • Poetry <p><u>Writing to inform:</u></p> <ul style="list-style-type: none"> • Biography <p><u>Writing to persuade:</u></p> <ul style="list-style-type: none"> • Speech <p><u>Writing to discuss:</u></p> <ul style="list-style-type: none"> • Review 	<p>Develop planning skills, critically evaluate and use appropriate features</p> <p><u>Text types:</u></p> <p><u>Writing to entertain:</u></p> <ul style="list-style-type: none"> • Narratives • Characters & settings <p><u>Writing to inform:</u></p> <ul style="list-style-type: none"> • Recount • Essay <p><u>Writing to persuade:</u></p> <ul style="list-style-type: none"> • Advertising <p><u>Writing to discuss:</u></p> <ul style="list-style-type: none"> • Balanced argument 	<p>Develop planning skills, critically evaluate and use appropriate features</p> <p><u>Text types:</u></p> <p><u>Writing to entertain:</u></p> <ul style="list-style-type: none"> • Narratives • Descriptions • Poetry <p><u>Writing to inform:</u></p> <ul style="list-style-type: none"> • Report <p><u>Writing to persuade:</u></p> <ul style="list-style-type: none"> • Letter • Campaign <p><u>Writing to discuss:</u></p> <ul style="list-style-type: none"> • Newspaper 	<p>Develop planning skills, critically evaluate and use appropriate features</p> <p><u>Text types:</u></p> <p><u>Writing to entertain:</u></p> <ul style="list-style-type: none"> • Narratives • Descriptions • Poetry <p><u>Writing to inform:</u></p> <ul style="list-style-type: none"> • Essay <p><u>Writing to persuade:</u></p> <ul style="list-style-type: none"> • Advertising (STEM) <p><u>Writing to discuss:</u></p> <ul style="list-style-type: none"> • Review
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Mathematics	<ul style="list-style-type: none"> • Properties of place value. Prime numbers and factors • Four Operations: Mental Methods: +/ - /x/÷ • Written methods for all four operations. Place value • Improper fractions and mixed numbers. Decimals • Identifying angles. Properties of 2d and 3d shape • Conversion of units of measurement. Perimeter • Statistics: reading tables 		<ul style="list-style-type: none"> • Positive and negative numbers. Rounding. Squared and cubed numbers • Scaling • Multi step problems • +/- fractions. Percentages. Multiplying fractions • Reflection and translation • Metric and imperial units of measurement • Statistics: reading line graphs 		<ul style="list-style-type: none"> • Roman numerals. Sequences. Solving problems involving number properties. • Mental methods with larger and more complex numbers • Four operations written methods: efficiency • Calculating percentages. Sequences with fractions • Properties of shapes, diagonals, missing lengths and angles within shapes • Measurement including: Time, Money, Area, Perimeter • Statistics: reading timetables 	
STEM:	<p>How can I clean dirty water to make it safe enough to drink?</p> <p>Maths focus: Measures (capacity) To estimate, compare and calculate different measures, Measures (mass) Estimate and measure gravel, sand and soil needed</p>	<p>How can I design my own NASA device?</p> <p>Maths focus: Number To use all four operations to solve problems involving measure, including scaling.</p>	<p>How can I design a system with a pulley to move building materials to the top of a pyramid?</p> <p>Maths focus: Measures – (Height & mass) To solve problems involving the calculation and conversion of units of measure. Ratio Number of cogs/turns of wheel</p>	<p>How can I design a building that fits into the Art Deco period of architecture?</p> <p>Maths focus: To solve problems involving the calculation and conversion of units of measure. Shape Explore symmetry and repeating patterns including tessellation</p>	<p>How can I give a plant the best chance of survival?</p> <p>Maths focus: Time Solve time problems Measure time taken to grow plant. Statistics Record and analyse data</p>	<p>How can I design a Viking catapult using only natural materials?</p> <p>Maths focus: Geometry To compare and classify angles & geometric shapes; to identify angles in 2D shapes in different orientations. Number To use all four operations to solve problems involving measure, including scaling.</p>

Science:	Can you drink dirty water? Properties and states of material: Solids, liquids and gases. Changing states.	Will I ever live on another planet? Earth and Space: Solar system. Phases of the moon. Earth's rotation	Why can't we walk on the ceiling? Forces: including gravity	It's the circle of life – or is it? Living things and their habitats: Lifecycles of plants and animals. Germination	Do all living things age? Animals including humans: Gestation to death. How live young develop. Lifecycles of plants and animals. Germination.	
Design Technology		Textiles Design and create a kite for NASA.		Mechanisms and Construction – gears /pulleys Design and build a moving bridge.		Food Technology Research and make a loaf of Viking bread.
Computing	e-Safety	Presenting information (Information Technology)	Tinkercad (Information Technology)	Green Screen (Information Technology)	Loops and variables (Computer Science)	Search technology and databasing (Digital Literacy)
PSHE-	Being me in my world How do the rewards and consequences support you with the choices you make about your own behaviour?	Celebrating Differences Why is racism and other forms of discrimination unkind?	Dreams and Goals How can you communicate with, support and learn from someone from a different culture?	Healthy Me How can you help people in emergency situations?	Relationships What are the rights and responsibilities for an online community or social network and what are the positive and negative consequences?	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 September: Run, Run as fast as you can! October: Skip it	Orienteering (outdoor) Gymnastics (indoor) Active Learning Challenge: November: Star power December: Squat it like it's hot	Dodgeball(Outdoor) Sports Leadership (Indoor) Active Learning Challenge: January: Table o'clock February: Let's go noodle	Swimming (Indoor) Badminton (indoor) Active Learning Challenge: March: HLC shake it up April: Ab blast	Hockey (outdoor) Athletics (Outdoor) Active Learning Challenge: May: Hopping mad!	Dance (Indoor) Rounders (Outdoor) Active Learning Challenge: June: Run to the finish line. July: The Great HLC Sports Event

Religious Education	Hinduism – Enquiry Question: What is the best way for a Hindu to show commitment to God?	Christianity – Enquiry Question: Is the Christmas story true?	Hinduism – Enquiry Question: How can Brahman be everywhere and in everything?	Christianity- Enquiry Question: How significant is it for Christians to believe God intended Jesus to die?	Hinduism- Enquiry Question: Do beliefs in Karma, Samsara and Moksha help Hindus lead good lives? (Hinduism)	Christianity- Enquiry Question: What is the best way for a Christian to show commitment to God?
Art		Painting Create a painting of a galaxy		Sculpture Explore and create an art deco inspired 3D freestanding building.	Drawing Draw a nature inspired picture using a grid.	
Music	Working with Sounds		The Big Sing Rehearsals and Workshops		World Music (Latin)	
Languages	The Phonics Unit	Eating Out	Classroom language	Hobbies	The Grammar Unit	The Four Seasons
Geography	Mountains & Rivers Identify and compare Mountain ranges of the UK and the World How does tourism affect mountain regions across the world?		The Water Cycle Identify key aspects of rivers & describe process of the Water Cycle.	Natural disasters that affect the USA and North America. Why do some earthquakes cause more damage than others?		Place Knowledge. Practice and apply Mapping skills. Exploring why the Anglo-Saxons chose the places they did to settle down in the UK.

History		<p><u>Enquiry: Famous people astronomers</u></p> <p>How significant were Galileo, Copernicus and Herschel in developing our knowledge of astronomy and the solar system?</p>	<p><u>Ancient Egypt</u></p> <p>Why are the achievements and innovations of the Ancient Egyptians so important to us nowadays?</p>		<p><u>Enquiry(optional)</u></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>Vikings & Anglo Saxons</u></p> <p>To what extent were the Anglo-Saxons successful in their power struggle against the Vikings?</p>
Outdoor Learning	<p>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.</p>	<p><u>John Muir Award</u> Conservation and uses of land</p>	<p><u>John Muir Award</u> Conservation and uses of land</p>	<p>Paddock Mount, Ketley</p>	<p>Paddock Mount, Ketley Pond dipping</p>	<p>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.</p>