
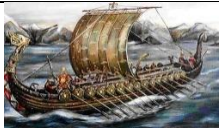







CHERRY TREE PRIMARY SCHOOL CURRICULUM



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Overarching Themes	Who are we?	Where are we in place and time?	How does the world work?	How we express ourselves?	How we organise ourselves around the world?	How do we share the planet?
	LOCAL GEOGRAPHY AND HISTORY	HISTORY	SCIENCE	ART, D&T, MUSIC & DRAMA	GEOGRAPHY – COMPARISON STUDY	ENVIRONMENT – CROSS CURRICULAR
Year 5 Topic Focus	HOW WAS HENRY VIII LINKED TO HERTFORDSHIRE?	WHY DID THE VIKINGS INVADE THE UK?	WHAT IS THE RELATIONSHIP BETWEEN THE EARTH AND THE MOON?	HOW HAS SCULPTURE CHANGED OVER TIME?	WHERE AND WHAT ARE THE RAINFORESTS?	ARE THE RAINFORESTS WORTH SAVING?
						



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<p>Lines of Enquiry</p> 	<p>How do different generations contribute to our society? Which famous people lived in our local area? Are any streets names after famous people? Which monarchs have lived in our county? Why did Elizabeth the first live at Hatfield House? Who was Nicholas Breakspear?</p>	<p>Why did the Anglo Saxons and Vikings Invade the UK? Where did they come from? How did the Vikings influence life in Britain? Where did the Vikings settle? How did the Vikings use technology & forces? Were the Vikings good builders? Why were Viking shields round? How were the Viking long ships designed?</p>	<p>What is the relationship between the Earth and the Moon? How does gravity work? How do satellites stay in space? How has space travel changed in the last 50 years? How important is space technology today? Why are some stars brighter than others? How does the moon affect the tides?</p>	<p>What is sculpture? Why do artists create sculpture? How do artists choose who to make a sculpture of? What materials are used to create sculptures? What is the most popular animal that has been represented in sculpture? How do religious buildings use sculpture? What can we learn about an artist through their sculptures?</p>	<p>Where are the rainforests? Why does it rain in these forests? What animals live in the rainforests? What is found in each layer of the rainforest? Are there any similarities between a rainforest and our local woodland? Why do people live in the rainforest?</p>	<p>Are the rainforests worth saving? How important is each layer of the rainforest? How does Brazil cope with deforestation? What other environmental issues do Brazilians face? What materials do they use? Why is palm oil such a popular product? What products do we find palm oil in? Should we try to use alternatives?</p>
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<p>Reading to support topic learning</p> 	<p>The Puzzle Ring by Kate Forsyth Treason by Berlie Doherty</p>	<p>How to Train your Dragon series by Cressida Cowell The General The Highwayman</p>	<p>Wonder by RJ Palacio East o' the Sun and West o' the Moon by Naomi Lewis Moon Man Cosmic The Tale of the Sun and the Moon</p>	<p>Charlie and the Chocolate Factory by Roald Dahl Skellig</p>	<p>The Explorer by Katherine Rundell Journey to the River Sea by Eva Ibbotson The Green Ship by Quentin Blake The Great kaypok Tree</p>	<p>The Window by Jennie Baker Mama Miti The Last Wild by Piers Torday</p>
<p>Writing outcomes</p> 	<p>Traditional Tales legends Recount</p>	<p>Explanation Poetry Structure – cinquain</p>	<p>Suspense and mystery</p>	<p>Structure – spoken word poetry/rap</p>	<p>Fiction from our literary heritage</p>	<p>Take one poet – poetry appreciation</p>



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<p style="text-align: center;">Maths</p> 	<p>5LS1: Place value and rounding large numbers 5LS2: Interpreting negative numbers 5LS3: Place value up to 3 decimal places 5LS4: Multiply and divide by 10, 100, 1000 5LS5: Properties of number- multiples, factors and common factors 5LS6: Prime and composite numbers 5LS7: Multiply and divide mentally 5LS8: Solving problems using known facts</p>	<p>5LS9: Adding and subtraction strategies (inc. mental methods) 5LS10: Formal written methods for addition and subtraction 5LS11: Formal written method for multiplication 5LS12: Formal written method for division (short) 5LS13: Equivalent fractions 5LS14: Comparing and ordering fractions 5LS15: Adding and subtracting fractions</p>	<p>5LS16: Using all 4 operations for problem solving 5LS17: Multiplying fractions by whole numbers 5LS18: Fraction problem solving 5LS19: Converting units of measure 5LS20: Area 5LS21: Volume and Capacity</p>	<p>5LS22: Percentages 5LS23: Problem solving of percentages 5LS24: 3D shapes from 2D representations 5LS25: Reflections and translation 5LS26: Perimeter 5LS27: Estimating, Comparing, Measuring and Drawing angles 5LS28: Identifying Unknown Angles</p>	<p>5LS29: Formal methods for Division and Multiplication in problems 5LS30: Multiplication and Division strategies (mental and written) 5LS31: Problem solving for Fractions, Decimals, Percentages 5LS32: Solving problems involving scaling by simple fractions and rates 5LS33: Conversion of imperial and metric units 5LS34: Reading timetables and calculating with time</p>	<p>5LS35: Solving problems involving all 4 operations 5LS36: Distinguishing between regular and irregular polygons 5LS37: Properties of rectangles 5LS38: Solving comparison, sum and difference problems using information in a line graph 5LS39: Interpreting and Evaluating information presented in charts and tables 5LS40: Roman Numerals</p>
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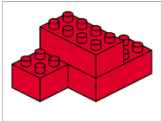
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<p>History</p> 	<p>A study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality Hatfield House – who lived here? Links to Tudor times, Henry VIII and Elizabeth I</p>	<p>The Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor This could include: Viking raids and invasion, resistance by Alfred the Great and Athelstan, first king of England, further Viking invasions and Danegeld, Anglo-Saxon laws and justice, Edward the Confessor and his death in 1066</p>	<p>A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066 – Space Travel What role did women play in the space race?</p>	<p>A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066 – Sculpture and statues</p>	<p>A non-European society that provides contrasts with British history – one study chosen from: Mayan civilization c. AD 900</p>	<p>A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066 International Fair Trade Development of the United Nations & other world wide organisations working together to protect the environment</p>
<p>Geography</p> 	<p>Use fieldwork to observe, measure record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies - Hertfordshire</p>	<p>Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied European and UK maps to investigate invasion and settlements</p>	<p>Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Satellite images and weather maps</p>	<p>Name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics What are the physical and human characteristics of some of the counties in the UK?</p>	<p>Understand geographical similarities and differences through the study of human and physical geography of a region in South America - Amazon rainforest Compare rainforests with local woodland</p>	<p>Locate the world's countries, using maps to focus on North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities Production of palm oil Local and global impact</p>


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<p style="text-align: center;">Art & Design</p> 	<p>Create sketch books to record observations and use them to review and revisit ideas – buildings and structures</p>	<p>Improve mastery of art and design techniques, including drawing, painting and sculpture with a range of materials Design Viking Shields</p>	<p>Learn about great artists, architects and designers in history Designers of space rockets Artists inspired by the night sky – Van Gough The Starry Night</p>	<p>Improve mastery of art and design techniques, including drawing, painting and sculpture with a range of materials Learn about great artists, architects and designers in history SCULPTURE - Anthony Gormley</p>	<p>Learn about great artists, architects and designers in history Claire Burchell Silk Screen printing</p>	<p>Improve mastery of art and design techniques, including drawing, painting and sculpture with a range of materials Make recycled paper</p>
<p style="text-align: center;">Design & Technology</p> 	<p>Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed Which foods are typically associated with different regions in the UK?</p>	<p>Use research and develop design criteria to inform the design of innovative, functional, appealing Select from and use a wider range of tools and equipment Viking Jewellery The design of the Viking Long ship Viking Shields</p>	<p>Understand how key events and individuals in design and technology have helped shape the world Space Travel The World Wide Web – Tim Berners-Lee</p>	<p>Apply understanding of how to strengthen, stiffen & reinforce more complex structures Use research & develop design criteria to inform the design of innovative, functional, appealing products Generate, develop, model and communicate their ideas Select from and use a wider range of tools and equipment to perform practical tasks Sculptures out of recycled materials and wire</p>	<p>Select from and use a wider range of tools and equipment to perform practical tasks Use saws to make wooden disks</p>	<p>Understand and apply the principles of a healthy and varied diet Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques Design recipes that do not use palm oil</p>

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<p>Music</p>  <p>Band Time weekly sessions</p>	<p>Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians – Green sleeves Tudor song</p>	<p>Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression</p>	<p>Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians Space film music (Apollo 13, Star Wars & Star Trek)</p>	<p>Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression – School Production and other musical notations</p>	<p>Improvise and compose music for a range of purposes using the inter-related dimensions of music Rainforest inspired music</p>	<p>Develop an understanding of the history of music. Use and understand staff and other musical notations</p>
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<p style="text-align: center;">Science</p> 	<p>Describe the changes as humans develop to old age. – THROUGH THE AGES</p>	<p>FORCES – VIKINGS AS ENGINEERS 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 a greater effect.</p>	<p>EARTH & SPACE Describe the movement of the Earth, and 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 day and night and the apparent movement of the sun across the sky. GRAVITY Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p>	<p>PROPERTIES & CHANGES IN MATERIALS Compare and group together everyday materials and their response to magnets Know that some materials will dissolve in liquid to form a solution, Use knowledge of solids, liquids and gases to decide how mixtures might be separated Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, Demonstrate that dissolving, mixing and changes of state are reversible changes Explain that some changes result in the formation of new materials.</p>	<p>LIFE CYCLES – RAINFOREST ANIMALS Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird</p>	
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<p style="text-align: center;">Computing</p> 	<p>Coding <u>Links</u> Using search engines effectively in order to find information about famous local people. Use music tools on PM to enhance understanding of melody and use tools such as 2Beat to increase depth of knowledge about rhythms. Conduct an “interview” with famous local people such as Nicholas Breakspear about what it was like to live in Abbots Langley/Bedmond during the time that he was alive and what it was like to be the only English pope ever. Contextualise this task by using Google Expeditions or other virtual field trip tools to take a look at the Vatican.</p>	<p>Online Safety Spreadsheets <u>Links</u> Use search engines to gain an understanding about the workings of Viking longboats. Use 3D modelling apps to plan out their own longboat designs to test out scientifically (e.g. Paint 3D app on Windows computers/PaintZ for Chromebooks). Create stop motion animations of their longboats in action as an experiment as to the most effective longboat design for speed and durability. For this they may wish to experiment with a video editor to introduce title cards, slow motion or captions to explain what is going on in their video.</p>	<p>Spreadsheets Databases <u>Links</u> Understanding the history of the internet by using search engines to research and PM writing tools to produce fact files on Tim Berners-Lee. Y5 to do a lesson for Y2 about the solar system later on the year to support their learning? They could produce helpful resources to help the Y2s with their learning using apps such as PowerPoint, Google Slides, 2Connect to show off their learning and let the Y2 children learn in the process.</p>	<p>Databases Game Creator <u>Links</u> Create 3D sculptures using digital drawing tools inspired by the work of Anthony Gormley. Look at his sculptures on Google Street View to understand how his sculptures look in the world around them. During their learning in Computing about creating games, chn could be encouraged to create an educational game on an aspect of their learning. For example, a game that requires them to sort materials by their properties etc.</p>	<p>Game Creator 3D Modelling <u>Links</u> Use Google Earth and Google Maps satellite view to explore the Amazon rainforest. Do the same with the local area to gain an understanding of the similarities and differences of these two landscapes. Linking into their work on 3D modelling, challenge the children to see if their can create a rough £D model of the layers of the rainforest to present to each other.</p>	<p>3D Modelling Concept maps <u>Links</u> Use WWF website to gain information about the species that are endangered in the world as a result of deforestation. Linking to concept mapping in Computing, get the children to produce presentations about the plight that is deforestation that allows then to show off their concept mapping skills.</p>
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<p>Physical Education</p> 	<p>Netball Daily Mile Outdoor Learning</p>	<p>Fitness & Circuits Training: Stamina, Speed, Agility Daily Mile Orienteering</p>	<p>Tennis Badminton Daily Mile Gymnastics</p>	<p>Golf Hockey Daily Mile</p>	<p>Cricket Athletics Daily Mile Outdoor Learning</p>	<p>Rounders Athletics Daily Mile Outdoor Learning</p>
<p>Spanish</p> 	<p>This unit starts with simple calculations based on the five times table, and leads into learning how to ask for and give the time. Learners also extend their food and drink vocabulary. They learn how to say when mealtimes are and what they usually have, comparing with eating habits in Spain. They learn how to give their opinions of different food and drink and complete a simple food / drink diary in Spanish. .</p>		<p>This unit focuses on sports and opinions. Learners pronounce cognate and other sports accurately from text, applying their phonics knowledge from previous years. They practise using a dictionary to look up unknown words. They describe sports, using simple sentences with 'tiene', 'es' and 'hay' for their peers to guess. They learn how to say which sports they like/dislike doing, using 'me gusta' + infinitive verb.</p>		<p>In this term, learners use dictionaries to look up different instruments. They use opinions in the context of different types of music, and to give reasons why, using 'porque' (because). Giving opinions can be tricky in Spanish because of the nature of using these verbs of opinion 'gustar' (to like) & 'encantar' (to love) and the fact that the adjectives used to describe things must match the number & gender of the thing they describe. They use the language they have learnt to create short raps or songs about food, sports or music.</p>	
<p>Religious Education</p> 	<p>Refer to separate Religious Education document We follow the Hertfordshire Scheme of work</p>					

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<p style="text-align: center;">PSHE</p> 	<p>Being Me in My World Planning the forthcoming year Being a citizen Rights and responsibilities Rewards and consequences How behaviour affects groups Democracy, having a voice, participating</p>	<p>Celebrating Difference Cultural differences and how they can cause conflict Racism Rumours and name-calling Types of bullying Material wealth and happiness Enjoying and respecting other cultures</p>	<p>Dreams and Goals Future dreams The importance of money Jobs and careers Dream job and how to get there Goals in different cultures Supporting others (charity) Motivation</p>	<p>Healthy Me Smoking, including vaping Alcohol Alcohol and anti-social behaviour Emergency aid Body image Relationships with food Healthy choices Motivation and behaviour</p>	<p>Relationships Self-recognition and self-worth Building self-esteem Safer online communities Rights and responsibilities online Online gaming and gambling Reducing screen time Dangers of online grooming SMART internet safety rules</p>	<p>Changing Me Self- and body image Influence of online and media on body image Puberty for girls Puberty for boys Conception (including IVF) Growing responsibility Coping with change Preparing for transition</p>
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