

Year 5 Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
TOPIC	Invaders Forces		Mayans Earth and space		Water	
LITERACY GENRES	Legend (Beowulf) 3 weeks Explanation 2 weeks Recount 2 weeks Vocabulary building 2 weeks Cinquain-1 week		Suspense and mystery 4 weeks Persuasion 3 weeks Instructions 1 week Vocabulary building 1 week Spoken word/poetry/rap		Fiction from our literary heritage 4 weeks Report 2 weeks Discussion 2 weeks Vocabulary building 1 week Take one poet-appreciation-2 weeks	
MATHS Cross curricular	Measure dimensions for DT eg boats, helmets Place events on a timeline		Investigate proportion in relation to planets, distances Solve problems involving money eg trip to Mexico Calculate distances Solve problems involving time zones		Fieldwork-length and depth speed of flow. Use data about UK/World Rivers to draw graphs and tables. Analyse data from statistics. Use mean, mode median and range. The Great Bridge Challenge: Enterprise. Costing of resources to build the longest, strongest and cheapest bridge.	

<p>SCIENCE</p>	<p>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>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, Moon, Earth 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 Explain that unsupported objects fall towards the earth because of the force of gravity acting between the Earth and the falling object</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) Know that some materials will dissolve in 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 be separated including through filtering, sieving and evaporating Give reasons based on evidence from comparative and fair tests for the 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 the action of acid on bicarbonate of soda</p>
<p>HISTORY</p>	<p>Britain's settlement by Anglo Saxons and Scots The Viking and Anglo Saxon struggle for the kingdom of England to the time of Edward the Confessor</p>	<p>Study of a non-European society that provides contrast with British history-Mayan civilisation circa AD 1900</p>	

<p>GEOGRAPHY</p>	<p>Using maps, atlases, globes and digital mapping to locate countries</p>		<p>Locate the world's countries using maps to focus on N and S America, key physical and human characteristics Identify the position and significance of latitude, longitude, equator, northern hemisphere, southern hemisphere, the tropics of cancer and Capricorn, Arctic and Antarctic circle, the prime/Greenwich meridian and time zones, including day and night Human geography, including types of settlement and land use, economic activity including trade links and the distribution of natural resources including energy, food, minerals and water</p>	<p>Describe and understand key aspects of human geography. Use fieldwork to observe, measure, record and present the human and physical features in the local area. Name and locate counties and cities of the UK, geographical regions and their identifying human and physical characteristics, key topographical features, including hills, mountains, rivers and land use patterns and understand how some of these aspects have changed over time physical geography including rivers and the water cycle Use field work to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans, graphs and digital technologies</p>		
<p>ART</p>	<p>Create sketch books to observations and use them to review and revisit ideas Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials (eg. pencil, charcoal, paint, clay) Learn about great artists, architects and designers in history</p>					
<p>D&T</p>	<p>Use research and develop design criteria to inform the design of innovation, functional, appealing products that are fit for purpose, aimed at particular individuals or groups Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Select from and use a wider range of tools and equipment to perform practical tasks (eg. Cutting, shaping, joining and finishing) accurately Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities Investigate and analyse a range of existing products Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work Understand how key events and individuals in design and technology have helped shape the world. Apply their understanding of how to strengthen, stiffen and reinforce more complex structures Understand and use mechanical systems in their products (eg. Gears, pulleys, cams, levers and linkages) Understand and use electrical systems in their products (eg. Series circuits, incorporating switches, bulbs, buzzers and motors) Apply their understanding of computing to program, monitor and control their products 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 Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed</p>					
<p>COMPUTING</p>	<p>We are game developers</p>	<p>We are cryptographers</p>	<p>We are artists</p>	<p>We are web developers</p>	<p>We are bloggers</p>	<p>We are architacts</p>

RE	Creation Navaratri (Hinduism)	Baptism Advent Chinese New Year (Buddism) Guru Nanak's Birthday (Sikhism) Hanukka (Judaism)	Christmas Parables and saying of Jesus Miracles and the Sacrament of the sick	Lent Holy Week Baisakhi (Sikhism)	Easter Pentecost Ramadan (Islam)	The work of the Apostles Marriage and the Holy Orders Asalha Puja Day (Buddism)
MUSIC	<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>Improvise and compose music for a range of purposes using the inter-related dimensions of music</p> <p>Listen with attention to detail and recall sounds with increasing aural memory</p> <p>Use and understand staff and other musical notations</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</p> <p>Develop an understanding of the history of music</p>					
PE						
PSHE	(Cambridge) Communication and participation Rules and rights Understanding and practicing democracy (Seal) New beginnings	(Cambridge) My relationships Similarities and differences Valuing difference (Seal) Getting on and falling out Say no to bullying Protective behaviours	(Cambridge) Self Awareness (Seal) Good to be me	(Cambridge) Changing emotions and responsibilities Me in my community (seal) Relationships	(Cambridge) Healthy Lifestyles (Seal) Going for Goals	(Cambridge) How my body works and changes Maintaining Personal Hygiene (Seal) Changes