

## YEAR 5 Curriculum Skills and Theme Long Term Planning

	Autumn		Spring	Summer	
Focus	Who Let The Gods Out?		The Explorers' Club	Journey to the River Sea	
<b>SCIENCE</b>	<p style="text-align: center;"><b>Forces</b></p> <ul style="list-style-type: none"> <li>• Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling objects.</li> <li>• Identify the effects of air resistance, water resistance and friction that acts between moving surfaces.</li> <li>• Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.</li> <li>• Study the work of Galileo and Sir Isaac Newton.</li> <li>• Working scientifically by exploring how gliders fly through the air – trial and error approach and using a fair test to examine these.</li> <li>• Making and testing boats.</li> </ul>	<p style="text-align: center;"><b>Properties and changes of materials</b></p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</li> <li>• Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</li> <li>• Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.</li> <li>• Demonstrate that dissolving, mixing and changes of state are reversible changes.</li> </ul>	<p style="text-align: center;"><b>Earth &amp; Space</b></p> <ul style="list-style-type: none"> <li>• Describe the movement of Earth, and the other planets relative to the Sun in the solar system.</li> <li>• Describe the movement of the Moon relative to the Earth.</li> <li>• Describe the Sun, Earth and Moon and approximately spherical bodies and use the idea of the Earth's rotation to explain night and day and the apparent movement of the sun across the sky.</li> <li>• Collect and record data, take accurate measurements using scientific equipment.</li> </ul> <p>Working scientifically by comparing the times of day at different places on the Earth.</p>	<p style="text-align: center;"><b>Animals including humans</b></p> <p>Describe changes as humans develop and mature.</p> <p>Identify and name the basic parts and organs of the human circulatory and gaseous exchange systems, and explain their functions.</p> <ul style="list-style-type: none"> <li>• Research the gestation period of other animals and compare them with humans</li> </ul>	<p style="text-align: center;"><b>Living things &amp; their habitats</b></p> <p>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</p> <ul style="list-style-type: none"> <li>• Describe the life process of reproduction in some plants and animals.</li> <li>• Find out about the work of naturalist David Attenborough.</li> <li>• Working scientifically by observing and comparing life cycles, asking questions and suggesting reasons for similarities and differences.</li> <li>• Research using secondary sources and present information in a variety of ways.</li> </ul>

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		<ul style="list-style-type: none"> <li>• 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.</li> </ul>		
HISTORY	<p style="text-align: center;"><b>Ancient Greece</b></p> <p>A study of Greek life; achievements and their influence on the Western World.</p> <ul style="list-style-type: none"> <li>• Who were the ancient Greeks?</li> <li>• An insight into Greek Gods and Goddesses</li> <li>• Similarities and differences between ancient city states</li> <li>• How ancient democracy influenced the modern world we live in</li> <li>• How did the Olympics begin? Comparing ancient and modern sports.</li> <li>• The Trojan War</li> <li>• Exploring the importance of The Battle of Marathon and how it is celebrated now</li> </ul>	<p style="text-align: center;"><b>Explorers</b></p> <p>Explorers including Captain Cook, Gertrude Bell, Scott and Tim Peake</p> <ul style="list-style-type: none"> <li>• Researching famous explorers using secondary sources. Display and present findings.</li> <li>• How have opportunities changes for women? Exploring equality.</li> <li>• Understanding what life was like on board a ship</li> <li>• Understanding the importance of roles on board the ship and how teamwork was vital to survival</li> </ul>	<p style="text-align: center;"><b>Naturalists</b></p> <p>Research naturalists such as David Attenborough and Henry Walter Bates and understand the significance of their research and findings.</p>	
GEOGRAPHY	<p style="text-align: center;"><b>Exploring Greece</b></p> <ul style="list-style-type: none"> <li>• Finding and locating Greece on a map using Atlases</li> <li>• Researching local landmarks in Greece using secondary sources</li> <li>• Comparing the physical geography of Greece and our local area</li> </ul>	<p style="text-align: center;"><b>The voyages of Captain Cook</b></p> <ul style="list-style-type: none"> <li>• Plot Captain Cook's voyage across the world using Atlases and secondary sources.</li> <li>• Learn about local geography through exploring Captain Cook's life.</li> <li>• Compare the climate and times zones of Antarctica to the UK</li> </ul>	<p style="text-align: center;"><b>Rivers</b></p> <ul style="list-style-type: none"> <li>• Exploring the water cycle and the three stages of a river</li> <li>• Name and locate famous rivers and understand how they may change over time</li> <li>• A study of the local environment. Comparing the River Tees and the Amazon River</li> <li>• Use secondary sources to compare key information about life in Manaus and Middlesbrough</li> <li>• Exploring different uses of rivers</li> <li>• Extend knowledge and understanding of South America</li> </ul>	

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<b>ART</b>	<b>Sculpture</b>		Explore clothing designers from history who developed clothing for Scott's Discovery Expedition.	<b>Landscapes and wildlife Study of a famous artist (Monet)</b>	
	<ul style="list-style-type: none"> <li>• Designing and making clay jewellery based on findings from ancient artefacts. Use research and criteria to develop products which are fit for purpose.</li> <li>• Designing and making a Greek vase using modern life as our influence.</li> <li>• Design a mythical creature based on research</li> </ul>			<ul style="list-style-type: none"> <li>• Explore impressionism.</li> <li>• Recreate an a painting based on impressionism</li> <li>• Expressing personal visualisations, based on our class text, through drawing and painting</li> </ul>	
Use sketch books to collect, record, review, and revisit and evaluate ideas.					
<b>DT</b>	<ul style="list-style-type: none"> <li>• Prepare and cook savoury dishes using a range of cooking techniques</li> <li>• Create a healthy menu based on local Greek food - Healthy living week.</li> <li>• Use mechanical &amp; electrical systems in own products, inc programming.</li> <li>• Design and produce a marble run which defies gravity for as long as possible.</li> <li>• Work with parents to design and make a glider – using specific criteria.</li> </ul>		Design and make a ship similar to that used in expeditions.	Design and create a creature made from recycled materials.	
	<b>Tees Valley Music Service Interactive Scheme of Work</b>				
<b>MUSIC</b>	<b>Don't Stop Believin'</b>	<b>Five Gold Rings</b>	<b>Christmas play Singing</b>	<b>Stop!</b>	<b>Reflect, Rewind &amp; Replay</b>
	<b>E Safety Computer Networks Algorithms &amp; programming</b>		<b>E Safety E-mails and attachments</b>	<b>E Safety Data &amp; information</b>	
<b>COMPUTING</b>	<b>E Safety Computer Networks Algorithms &amp; programming</b>		<b>E Safety E-mails and attachments</b>	<b>E Safety Data &amp; information</b>	
<b>PE</b>	<b>Swimming Invasion games Athletics</b>		<b>National Nutcracker Yoga Bugs</b>	<b>Net games</b>	
<b>RE</b>	<b>What is the Qu'ran and why is it important?</b> <b>Christingle</b> -Where does the Christingle tradition come from and what does the symbolism represent <b>Why is the birth of Jesus important to Christians?</b>		<b>Why do people travel to sacred places?</b> <b>Easter</b> - What happened at the Last Supper?	<b>What do Christians believe about God?</b> <b>Why and how do Christians celebrate Pentacost?</b>	

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PSHE	<p><b>SEAL - New Beginnings</b></p> <p>New class routines / expectations Getting On and Falling Out Friendship week</p>	<p><b>SEAL - Good to be me, Going for Goals</b></p> <p>What are my qualities? Why am I important? What are my goals and how can I achieve them? Respecting difference and equality.</p>	<p><b>SEAL - Relationships, Changes</b></p> <p>How do we get on with each other? How do we deal with problems? What changes are in store and how can we prepare for change? What is family? Exploring people around us who care for and look after us.</p>
MFL French	<b>Catherine Cheater Scheme of Work</b>		