

	Autumn 1	Autumn 2
<b>Key question and theme/ Hook</b>	<b>Is there anybody out there?</b> In this topic we will learn about the history of space exploration, looking at the life of Neil Armstrong and the Apollo 11 mission to the Moon. We will also look at the depiction of space exploration and alien life in fictional movies, tv shows and books.	
<b>Literacy unit</b>	<b>Fiction</b> – Doctor Who – Opening / setting / character description	<b>Non-Fiction</b> – Non-chronological reports - The Solar System
<b>Science</b>	<b>Is there anybody out there?</b> Earth and Space, Forces, Light/Shadow <ul style="list-style-type: none"> <li>• Describe the movement of the Earth and 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 as approximately spherical bodies.</li> <li>• Use the idea of the Earth’s rotation to explain day and night and the apparent movement of the sun across the sky.</li> </ul>	
<b>Maths</b>	<b>Number:</b> Place value <b>Number:</b> Addition and Subtraction <b>Statistics</b>	<b>Number:</b> Multiplication and Division <b>Measurement:</b> Perimeter and Area
<b>Computing</b>	<b>We are game developers</b> The students plan their own simple computer game. They design characters and backgrounds, and create a working prototype, which they develop further based on feedback they receive.	<b>We are cryptographers</b> The pupils learn more about communicating information securely through an introduction to cryptography (the science of keeping communication and information secret). They investigate early methods of communicating over distances, learn about two early ciphers, and consider what makes a secure password.
<b>Art / DT</b>	Make a rocket/astronaut Design alien/planet	
<b>PE</b>	Handball/Basketball Gymnastics	Dance- The Nutcracker
<b>RE</b>	<b>Why are there different beliefs about God?</b>	

	Spring 1	Spring 2
<b>Key question and theme/ Hook</b>	<b>Why should the rainforest be important to us all?</b> In this topic we will learn about rainforests. We will study the rainforest's delicate ecosystem and the animals that live within it. We will also look at the worldwide political and environmental impact on the planet.	
<b>Literacy unit</b>	<b>non-fiction</b> – persuasive text - Saving the Rainforest	<b>Fiction</b> - Journey story
<b>Science</b>	<b>Do all plants and animals start life as an egg?</b> Living Things and their habitats, Animals including humans. <ul style="list-style-type: none"> <li>• Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</li> <li>• Describe the life process of reproduction in some plants and animals.</li> <li>• Describe the changes as humans develop to old age.</li> </ul>	
<b>Maths</b>	<b>Number:</b> Multiplication and Division <b>Number:</b> Fractions	<b>Number:</b> Fractions <b>Number:</b> Decimals and Percentages
<b>Computing</b>	<b>We are Artists</b> The pupils use vector and turtle graphics to explore geometric art, taking inspiration from the work of Escher, Riley and traditional Islamic artists, as well as experimenting with complex 'fractal' landscapes.	<b>We are web developers</b> Pupils work together to create a website explaining online safety and responsible online behaviour.
<b>Art / DT</b>	Painting	
<b>PE</b>	Badminton Football	Hockey Gymnastics/Dance
<b>RE</b>	<b>Why are certain people, places and times sacred?</b>	

	Summer 1	Summer 2
<b>Key question and theme/ Hook</b>	<b>Were the Anglo Saxons really smashing?</b> In this topic we will learn about Britain's settlement by Anglo-Saxons and Scots. We will look at the Scots invasions from Ireland to north Britain (now Scotland). Anglo-Saxon invasions, settlements and kingdoms: place names and village life. We will also look at Anglo-Saxon art and culture.	<b>How can we rediscover the wonders of Ancient Egypt?</b> In this topic we will learn about the Ancient Egyptians. We will look at the building of the great pyramids, as well as ancient Egyptian culture and beliefs, and the rule of the pharaohs.
<b>Literacy unit</b>	<b>Fiction</b> - Discovery of Tutankhamun's Tomb – Warning story	<b>Non-Fiction</b> – Instructional text - How to mummify a pharaoh
<b>Science</b>	<b>Could you be the next CSI investigator?</b> Properties and changes of materials <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> </ul>	<b>Can you feel the force?</b> Forces <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 object.</li> <li>• Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.</li> <li>• Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.</li> </ul>
<b>Maths</b>	<b>Number:</b> Decimals <b>Geometry:</b> Properties of shapes	<b>Geometry:</b> Position and Direction <b>Measurement:</b> Converting units <b>Measurement:</b> Volume
<b>Computing</b>	<b>We are Bloggers</b> Blogging provides a worldwide audience for pupils' work. Commenting on others' work extends pupils' sense of membership of a learning community beyond school. In this unit, pupils create a media-rich blog, comment on blogs and respond to comments.	<b>We are Architects</b> In this unit, the pupils research examples of art gallery architecture, before using Trimble SketchUp to create their own virtual gallery. Finally, they use the gallery to exhibit their own artwork.
<b>Art / DT</b>	Create an Anglo-Saxon settlement. Sewing	Egyptian masks
<b>PE</b>	Rounders Athletics	Tag Rugby Volleyball
<b>RE</b>	<b>Why do people need to express their beliefs?</b>	