

Year 3 and 4 Autumn Curriculum

Subject	The curriculum covered by Year 3/4 from September 2017 to December 2017:	
	Year 3	Year 4
Literacy	Children will access a range of text types, in the context of the novel, 'George's Marvellous Medicine'	Children will access a range of text types, in the context of the novel, 'How to train your Dragon' by Cressida Cowell and 'The Worst Witch' by Jill Murphy
Numeracy	<ul style="list-style-type: none"> <li>Count from 0 in multiples of 100</li> <li>Find 10 or 100 more or less than a given number</li> <li>Count from 0 in multiples of 4, 8 and 50</li> <li>Learn the 3, 4 and 8 times tables</li> <li>Place Value</li> <li>Addition and Subtraction methods and problem solving in different contexts</li> <li>Addition and Subtraction methods and problem solving in different contexts</li> <li>Time</li> </ul>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a four digit number (thousands, hundreds, tens, ones)</li> <li>Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero</li> <li>Count in multiples of 1000; count backwards through zero to include negative numbers</li> <li>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction</li> <li>Multiply two digit and three-digit numbers by a one digit number using formal written layout</li> <li>Divide two digit and three-digit numbers by a one digit number using formal written</li> <li>Problem solving using all four number operations.</li> </ul>
Science	<p>Within our 'Earth Rocks' topic we will consider the following:</p> <ul style="list-style-type: none"> <li>Types of rocks and their formation</li> <li>Physical properties of rocks and soils</li> <li>Fossils</li> <li>Presenting data in different ways</li> <li>Fair Testing</li> </ul> <p>Within our 'Food and our bodies' topic we will consider the following:</p> <ul style="list-style-type: none"> <li>Balanced diets</li> <li>The skeletal system</li> <li>Joints, bones and muscles</li> <li>Fair Testing</li> </ul>	<p><u>Autumn 1</u> Within our 'Power it Up' topic we will consider the following:</p> <ul style="list-style-type: none"> <li>identify common appliances that run on electricity</li> <li>construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers</li> <li>identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery</li> <li>recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit</li> <li>recognise some common conductors and insulators, and associate metals with being good conductors.</li> </ul> <p><u>Autumn 2</u> Within our 'Changing States' topic we will consider the following:</p> <ul style="list-style-type: none"> <li>compare and group materials together, according to whether they are solids, liquids or gases</li> <li>observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)</li> <li>identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature</li> </ul>
Topic	<p><u>History</u></p> <ul style="list-style-type: none"> <li>Ancient Civilisations including the Shang Dynasty, Ancient Sumer, Indus and Ancient Egypt.</li> <li>Learn about archaeology and Howard Carter's discovery of Tutankhamen.</li> <li>Compare sources of evidence to learn about Egyptian artefacts.</li> <li>Compare Gods and Goddesses.</li> </ul> <p><u>DT</u></p> <ul style="list-style-type: none"> <li>Practise a variety of stitching.</li> <li>Evaluate existing designs of satchel</li> <li>Design, make and evaluate own product after a given brief.</li> </ul>	<p><u>History</u></p> <p><b><u>The Roman Empire and its impact on Britain</u></b></p> <ul style="list-style-type: none"> <li>Including Julius Caesar attempted invasion in 55-54BC</li> <li>The Roman Empire by 42AD and the power of its army</li> <li>Successful invasion by Claudius and conquest, and the impact of technology, culture and beliefs, including early Christianity</li> </ul> <p><b><u>Britain's settlement by Anglo-Saxons and Scots</u></b></p> <ul style="list-style-type: none"> <li>Roman withdrawal from Britain in 410AD and the fall of the Western Roman Empire.</li> <li>Scots' invasion from Ireland to north Britain (now Scotland)</li> <li>Anglo-Saxon invasions, settlements and kingdoms: place names and village life</li> <li>Anglo-Saxon art and culture</li> <li>Christian Conversion – Canterbury, Iona and Lindisfarne</li> </ul> <p><b><u>Viking and Anglo-Saxon struggle for the kingdom of England to the time of Edward the Confessor</u></b></p> <ul style="list-style-type: none"> <li>Viking raids and invasion</li> <li>Resistance by Alfred the Great and Athelstan, first King of England</li> <li>Further Viking invasions and Dane geld</li> <li>Anglo Saxon Laws and Justice</li> <li>Edward the Confessor and his death in 1066</li> </ul>

Computing	Children will learn how to use the Hopscotch programme to create an electronic game.	<p><u>Autumn 1</u>  <u>We are toy designers</u>  Children will learn how to use the Scratch programme to:</p> <ul style="list-style-type: none"> <li>• Design and make an on-screen prototype of a computer-controlled toy.</li> <li>• Understand different forms of input and output (such as sensors, switches, motors, lights and speakers).</li> <li>• Design, write and debug the control and monitoring program for their toy.</li> </ul> <p><u>Autumn 2</u>  <u>We are meteorologists</u>  This unit brings together data measurement, analysis and presentation, as the children take on the role of meteorologists and weather presenters. During this topic we will</p> <ul style="list-style-type: none"> <li>• Use weather measurement equipment safely</li> <li>• Enter data</li> <li>• Take digital photos</li> <li>• Create simple charts</li> <li>• Make predictions</li> <li>• Create a presentation for their weather forecast</li> </ul>
Music	Children will explore Gospel music: <ul style="list-style-type: none"> <li>• Develop an understanding of the history of music</li> <li>• Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians</li> <li>• Improvise and compose music for a range of purposes</li> <li>• Use and understand staff and other musical notations</li> </ul>	Children will explore Samba music: <ul style="list-style-type: none"> <li>• Develop an understanding of the history of music</li> <li>• Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians</li> <li>• Listen with attention to detail and recall sounds with increasing aural memory.</li> <li>• Improvise and compose music for a range of purposes using the inter-related dimension of music</li> <li>• Play and perform in solo and ensemble context, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression</li> <li>• Use and understand staff and other musical notations</li> </ul>
PE	<ul style="list-style-type: none"> <li>• PE Skills – Throwing and catching</li> <li>• Achieving my personal best and healthy, active lifestyles</li> </ul>	
RE	<ul style="list-style-type: none"> <li>• How and why do religious people show care for others?</li> </ul>	