




# ONWARDS and UPWARDS

REACHING FOR THE STARS



Year 5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Topic</b>	<b>Space</b>	<b>Ancient Greece</b>	<b>Anglo Saxons and Scots</b>	<b>Vikings</b>	<b>Europe</b>	<b>France</b>
<b>Topic Writing</b>	Biography of an Astronaut	Report Greek Gods	Biography – Jane Goodall	Forces Experiment Report	Fact File of a scientist or Inventor	Travel Guide of Paris Script
<b>Educational Visit</b>	Space Centre		Staffordshire Hord – Stoke Museum		Sikh Temple- Gurdwara	Hesley Wood Camping Residential
<b>Parent/Carer event</b>	Writing Showcase	Greek Play in a Day	Maths Session	Reading Session	Orienteering	Food Tasting
<b>Wow days/events</b>	26 <sup>th</sup> September – European Day of Languages	Moon Lit Christmas 9th November – WW1 Centenary Event	Music Day	World Book Day	Art Day	Sports Day Family Fun Fair Transition Days
<b>Class Book</b>						Quality Text of Teachers Choice
<b>Writing Focus</b>	My Tourist Guide to the Solar System  Persuasive Letter Trip Advisor Review	Mythical Creatures  Report Persuasive Letter	Narrative	Newspaper Report  Balanced Argument	Setting Description  Report on the Wildlife Garden	Author Study review  Narrative
<b>Science</b>	<b><u>Earth and Space</u></b> Planets Night and Day Phases of the Moon International Time	<b><u>Properties and Changes of Materials</u></b> Properties of materials Keeping cool Brighter Bulbs Dissolving Separating Mixtures Irreversible changes	<b><u>Animals Including Humans</u></b> Human Timeline Growth of Babies Puberty Changes in Old Age Gestation Periods Life Expectancy	<b><u>Forces</u></b> Unbalanced forces Gravity Air Resistance Water Resistance Friction Mechanisms	<b><u>Scientist and Inventors</u></b> David Attenborough CSI Mission to the Moon Leonardo Da Vinci Eva Crane Stonehenge	<b><u>Living Things and Their Habitats</u></b> Making New Plants Mammals Jane Goodall Metamorphosis Comparing Life Cycles



<b>Maths</b>	<p><b>Block 1: Place Value</b></p> <ul style="list-style-type: none"> <li>Number to 1,000,000</li> <li>Roman numerals to 1,000</li> <li>Rounding to a million Counting in 10s, 100s, 1,000s, 10,000s and 100,000s</li> <li>Negative numbers</li> </ul> <p><b>Block 2: Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>Add whole numbers with more than 4 digits</li> <li>Subtract whole numbers with more than 4 digits</li> <li>Round to estimate and approximate</li> <li>Inverse operations (addition and subtraction)</li> <li>Multi-step addition and subtraction problems</li> </ul>	<p><b>Block 3: Statistics</b></p> <ul style="list-style-type: none"> <li>Read and interpret line graphs</li> <li>Draw line graphs Use line graphs to solve problems</li> <li>Read and interpret tables</li> <li>Two-way tables</li> <li>Timetables</li> </ul> <p><b>Block 4: Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>Multiples</li> <li>Factors</li> <li>Prime numbers</li> <li>Square numbers</li> <li>Cube numbers</li> <li>Multiply by 10, 100 and 1,000</li> <li>Divide by 10, 100 and 1,000</li> <li>Multiples of 10, 100 and 1,000</li> </ul> <p><b>Block 5: Perimeter and Area</b></p> <ul style="list-style-type: none"> <li>Measure perimeter</li> <li>Area of rectangles</li> <li>Area of compound shapes</li> <li>Area of irregular shapes</li> </ul>	<p><b>Block 1: Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>Multiply 4-digits by 1-digit</li> <li>Multiply 2-digits by 2-digits</li> <li>Multiply 3-digits by 2-digits</li> <li>Multiply 4-digits by 2-digits</li> <li>Divide 4-digits by 1-digit</li> <li>Divide with remainders</li> </ul> <p><b>Block 2: Fractions</b></p> <ul style="list-style-type: none"> <li>Equivalent fractions</li> <li>Improper fractions to mixed numbers</li> <li>Mixed numbers to improper fractions</li> <li>Number sequences</li> <li>Compare and order fractions less than 1</li> <li>Compare and order fractions greater than 1</li> </ul>	<p><b>Block 2: Fractions</b></p> <ul style="list-style-type: none"> <li>Add and subtract fractions</li> <li>Add fractions within 1</li> <li>Add 3 or more fractions</li> <li>Add fractions</li> <li>Add mixed numbers</li> <li>Subtract fractions</li> <li>Subtract mixed numbers</li> <li>Subtract – breaking the whole</li> </ul> <p><b>Block 3: Decimals &amp; Percentages</b></p> <ul style="list-style-type: none"> <li>Decimals up to 2 d.p.</li> <li>Decimals as fractions</li> <li>Thousands as decimals</li> <li>Rounding decimals</li> <li>Order and compare decimals</li> <li>Understand percentages</li> <li>Percentages as fractions and decimals Equivalent F.D.P</li> </ul>	<p><b>Block 1: Decimals</b></p> <ul style="list-style-type: none"> <li>Adding &amp; subtracting decimals within 1</li> <li>Complements to 1</li> <li>Adding &amp; subtracting decimals with the same number of decimal places</li> <li>Adding &amp; subtracting decimals with a different number of decimal places</li> <li>Adding and subtracting wholes and decimals</li> <li>Decimal sequences</li> <li>Multiplying decimals by 10, 100 and 1,000</li> <li>Dividing decimals by 10, 100 and 1,000</li> </ul> <p><b>Block 2: Properties of Shape</b></p> <ul style="list-style-type: none"> <li>Measuring angles in degrees</li> <li>Measuring with a protractor</li> <li>Drawing lines and angles accurately</li> </ul>	<p><b>Block 2: Properties of Shape</b></p> <ul style="list-style-type: none"> <li>Calculating angles on a straight line</li> <li>Calculating angles around a point</li> <li>Calculating lengths and angles in shapes</li> <li>Regular and irregular polygons</li> <li>Reasoning about 3D shapes</li> </ul> <p><b>Block 3: Decimals &amp; Percentages</b></p> <ul style="list-style-type: none"> <li>Position in the first quadrant</li> <li>Reflection with coordinates</li> <li>Translation with coordinates</li> </ul> <p><b>Block 4: Volumes</b></p> <ul style="list-style-type: none"> <li>What is volume?</li> <li>Compare volume</li> <li>Estimate volume</li> <li>Estimate capacity</li> </ul>
<b>PE</b>	5A Basketball 5B Dance 5C Gymnastics	Dance Gymnastics Basketball	Gymnastics Basketball Dance	OAA Athletics Rounders	Rounders OAA Athletics	Athletics Rounders OAA



# ONWARDS and UPWARDS

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<b>History</b>	<u>Space</u> The Space Race The Moon Landing Animals in Space Tim Peake	<u>Ancient Greeks</u> A Timeline The Battle of Marathon The Trojan Horse Olympics Gods Democracy	<u>Anglo Saxons and Scots</u> A Timeline of events Saxon Runes Invaders Place Names Village Life Gods Conversion to Christianity	<u>Vikings</u> A Timeline of events Weapons Long Boats Homes Invasions Impact of the Vikings on current life		
<b>Geography</b>					<u>Europe</u> Lines of latitude, Road signs, How to Use an Atlas Grid References, Compass Points <u>France</u> Food, Rivers, Mountains, Notre Dame Guide to France	
<b>RE</b>	Key Question What do different people believe about God?	Key Question What do religions say to us when life gets hard?	Key Question Why is pilgrimage important to some religious believer?	Key Question What are the deeper meanings of festivals? (Vaisakhi)	Key Question What can we learn from religions about deciding what is right and wrong?	Key Question How do people express their faith through the arts? (Look specifically at Sikhism, Khanda Mosaic)
<b>PSHE</b>	Being Healthy	Difference and Diversity	Exploring Emotions	Relationships	Being Responsible	Bullying Matters
<b>Art</b>	Perspective				Art from around Europe. Painting and sculpture.	
<b>Music</b>	Musical Contexts KS2 Unit 11 Journey into Space	Musical Contexts KS2 Unit 6 Ancient Greece			<u>Europe</u> Musical Contexts KS2 Unit 1 Water Music	
<b>D&amp;T</b>		Design, make and evaluate Clay Pots		Design, make and evaluate Viking Boats		Super Seasonal Cooking



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<p><b>Computing</b></p>	<p><b><u>E-Safety</u></b>  <b>and digital citizenship</b></p> <ul style="list-style-type: none"> <li>Understand the need to only select age appropriate content.</li> </ul>	<p><b><u>Creativity</u></b>  <b>3D Modelling:</b>  <b>SketchUp</b></p> <ul style="list-style-type: none"> <li>Independently select and use software for a task.</li> <li>Independently select, use and combine a variety of software to design and create content for a given audience.</li> </ul>	<p><b><u>Productivity</u></b>  <b>Radio Station</b></p> <ul style="list-style-type: none"> <li>Independently select and use software for a task.</li> <li>Independently select, use and combine a variety of software to design and create content for a given audience.</li> </ul>	<p><b><u>Communication</u></b>  <b>Internet Research &amp; Webpage Design</b></p> <ul style="list-style-type: none"> <li>Use filters in search technologies effectively.</li> <li>Use filters in search technologies effectively and appreciated how results are selected and ranked.</li> <li>Begin to use the internet services to share and transfer data to a third party</li> </ul>	<p><b><u>Programming</u></b>  <b>Espresso PYTHON</b></p> <ul style="list-style-type: none"> <li>Design, input and test an increasingly complex set of instructions to a program or device.</li> <li>Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems.</li> </ul>	<p><b><u>Computational Thinking</u></b>  <b>Flowol</b></p> <ul style="list-style-type: none"> <li>Design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated.</li> <li>Design, write and test programs with opportunities for selection, where a particular result will happen based on actions or situations controlled by the user.</li> <li>Use logical reasoning to explain how increasingly complex algorithms work to ensure a program's efficiency.</li> </ul>
<p><b>MFL</b></p>	<p>Begin with Year 4 SOW.  Each lesson two sessions (first oral, second revision and evidence written /recording)</p>	<p>Continue with SOW  Last lesson to be Christmas.</p>	<p>Continue with SOW.  Include Mardi Gras.</p>	<p>Continue with SOW.  Include Easter.</p>	<p>Continue with SOW.</p>	<p>Continue with SOW.  Cultural links: Le Tour de France  Bastille Day – 14<sup>th</sup> July.</p>