

### Y6 Long Term Planning Grid

Subject	Autumn 1 <sup>st</sup> Half	Autumn 2 <sup>nd</sup> Half	Spring 1 <sup>st</sup> Half	Spring 2 <sup>nd</sup> Half	Summer 1 <sup>st</sup> Half	Summer 2 <sup>nd</sup> Half
Maths	<p>Addition, subtraction, multiplication and division</p> <ul style="list-style-type: none"> <li>perform mental calculations, including with mixed operations and large numbers</li> </ul> <p>Algebra</p> <ul style="list-style-type: none"> <li>use simple formulae</li> </ul> <p>Measurement</p> <ul style="list-style-type: none"> <li>solve problems involving the calculation and conversion of units of measure, using decimal notation to three decimal places where appropriate</li> </ul> <p>Statistics</p> <ul style="list-style-type: none"> <li>interpret and construct pie charts and line graphs and use these to solve problems.</li> </ul>	<p>Addition, subtraction, multiplication and division</p> <ul style="list-style-type: none"> <li><u>multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</u></li> </ul> <p>Fractions (including decimals and percentages)</p> <ul style="list-style-type: none"> <li><u>multiply one-digit numbers with up to two decimal places by whole numbers</u></li> </ul> <p>Ratio and proportion</p> <ul style="list-style-type: none"> <li><u>solve problems involving the calculation of percentages</u></li> </ul> <p>Algebra</p> <ul style="list-style-type: none"> <li>use simple formulae</li> </ul> <p>Measurement</p> <ul style="list-style-type: none"> <li>solve problems involving the calculation and conversion of units of measure, using decimal notation to three decimal places where appropriate</li> </ul> <p>Statistics</p> <ul style="list-style-type: none"> <li>interpret and construct pie charts and line graphs and use these to solve problems</li> </ul> <p>Geometry: properties of shapes</p> <ul style="list-style-type: none"> <li><u>draw 2-D shapes using given dimensions and angles</u></li> </ul>	<p>Number and place value</p> <ul style="list-style-type: none"> <li>use negative numbers in context, and calculate intervals across zero</li> </ul> <p>Addition, subtraction, multiplication and division</p> <ul style="list-style-type: none"> <li>perform mental calculations, including with mixed operations and large numbers</li> </ul> <p>Fractions (including decimals and percentages)</p> <ul style="list-style-type: none"> <li>solve problems which require answers to be rounded to specified degrees of accuracy</li> </ul> <p>Algebra</p> <ul style="list-style-type: none"> <li>generate and describe linear number sequences</li> </ul> <p>Measurement</p> <ul style="list-style-type: none"> <li>use, read, write and convert between standard units, converting measurements of length, mass and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to three decimal places</li> </ul> <p>Statistics</p> <ul style="list-style-type: none"> <li>interpret and construct pie charts and line graphs and use these to solve problems.</li> </ul>	<p>Addition, subtraction, multiplication and division</p> <ul style="list-style-type: none"> <li>multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</li> </ul> <p>Fractions (including decimals and percentages)</p> <ul style="list-style-type: none"> <li>multiply one-digit numbers with up to two decimal places by whole numbers</li> </ul> <p>Ratio and proportion</p> <ul style="list-style-type: none"> <li>solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison</li> </ul> <p>Statistics</p> <ul style="list-style-type: none"> <li>calculate and interpret the mean as an average.</li> </ul> <p>Geometry: properties of shapes</p> <ul style="list-style-type: none"> <li>recognise, describe and build simple 3-D shapes, including making nets</li> </ul>	<p>Addition, subtraction, multiplication and division</p> <ul style="list-style-type: none"> <li>divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context</li> </ul> <p>Fractions (including decimals and percentages)</p> <ul style="list-style-type: none"> <li>divide proper fractions by whole numbers [for example, <math>\frac{1}{3} \div 2 = \frac{1}{6}</math>]</li> </ul> <p>Ratio and proportion</p> <ul style="list-style-type: none"> <li>solve problems involving the relative sizes of two quantities, where missing values can be found by using multiplication and division facts</li> </ul> <p>Algebra</p> <ul style="list-style-type: none"> <li>express missing number problems algebraically</li> <li>find pairs of numbers that satisfy an equation with two unknowns</li> </ul>	<p>Geometry: properties of shapes</p> <ul style="list-style-type: none"> <li>illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius</li> <li>recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles</li> <li>recognise when it is necessary to use the formulae for area and volume of shapes</li> </ul> <p>Measurement</p> <ul style="list-style-type: none"> <li>calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimeters (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>) and extending to other units, [for example, mm<sup>3</sup> and km<sup>3</sup>]</li> <li>Problem solving</li> </ul> <p>Solve problems that involve applying mathematics skills to Rainforest problems.</p>
English	<p>Instructions - How to care for an alien.</p> <p>Setting description - Suitable for a genre eg Horror, Sci-Fi</p>	<p>Descriptive writing - Write a food review.</p> <p>Mystery stories - Building tension and atmosphere.</p> <p>Performance Poetry – Slam Poetry.</p>	<p>Non-chronological report - Beegu.</p> <p>Fiction.</p> <p>Flashback</p> <p>Poetry – modern free verse - Michael Rosen and Roger McGough.</p>	<p>Non-fiction - Flashback</p> <p>Balanced discussion – a subject researched and chosen by the children.</p>	<p>Letter writing - Letter of complaint to a restaurant</p> <p>Fiction – diary/contrasting view points - The lion the witch and the wardrobe, voices in the park</p>	<p>Recount.</p> <p>Descriptive recount of the Tay Bridge Disaster.</p>

Science	States of Matter. Habitats.	Life cycles.	Light. Sound.	Teeth. Animals including humans.	Earth and Space. Forces. Electricity.	Evolution.
Computing	WE ARE PROGRAMMERS Coding	WE ARE BLOGGERS Use school website to blog on relevant issues to Y6 children	WE ARE PROGRAMMERS Coding	WE ARE MUSICIANS Use Garage Band to compose music		WE ARE WEB DESIGNERS/PRESENTERS Use Learning Platform to design and publish webpage.
History	Vikings Who were the the Vikings? Where were the Vikings from? What made the Vikings successful?	Vikings What is it like to be a Viking warrior? Why was a Viking longship good transport?				
Geography			Brazil  What do you already know about Brazil? What fruits and other natural resources is Brazil famous for? Which famous cities in Brazil attract tourists and why?	Brazil  What can you find out about one of Brazil's neighbouring countries? What can you find out about the street children of Brazil? What can you find out about a famous Brazilian?	Rainforest  Where are rainforests located and what are their main features? Why are rainforests often in the news and what can we do to help?	Rainforest  What can you find out about an endangered animal that lives in the rainforest? How important is the Amazon to the South American rainforests?
Art/DT	Artist study – Cezanne Sketch and use light, colour and tone in still life work.	What did buildings look like back in the Viking Period? Sketch and model Viking housing.	Spray that by me again. Street art study. Banksy etc.		Minecraft School. Use 3D drawing skills to create Minecraft classroom. Henri Rousseau 'Surprised' – Water colours and collage study.	Rainforest 3D dioramas.
RE	Judaism – Jewish culture and traditions – Passover.	Christian Stories – Matthew and Luke.	Buddhism – beliefs, practices and symbols. Karma.	Easter Story – Is Christianity still strong 2000 years after Christ was born?	Sikhism – religion and community.	Sikh Stories.
French	Notre ecole.	Notre monde.	Monter un café.	Le passé et la present.	Au parc d'attractions.	Quoide reif.
Music	Music notation – reading music.	Traditional Music - Christmas carols	Orchestral instruments.	Glockenspiel/ recorder work.	Y6 Production.	Y6 Production.
PE	Tag Rugby	Dance	Hockey	Gymnastics. Outdoor and adventurous activities.	Striking and fielding – cricket/rounders.	Athletics.