



Year	Autumn					Spring					Summer				
	Number and Place value (5)	Addition and subtraction – sorting	Place value – comparing groups	Addition and subtraction – change within 5	Measurement – time	Number and place value (5)	Addition and subtraction – numbers to 5	Place value – numbers to 10	Addition and subtraction – Addition to 10	Geometry – shape and space	Geometry – exploring patterns	Addition and subtraction – Count on and back	Place Value – numbers to 20	Multiplication and division – numerical patterns	Measurement – measure
Reception	<p>Curriculum Links: Science: Children will use counting to 5 for their 5 senses, sorting healthy/unhealthy foods, comparing groups, weighing items to look at heavier and lighter, measuring with a ruler to look at the height of the plants we have grown. Art & Design: Children will become familiar with using rulers to measure and will also be working on shape and pattern throughout the year. Design & Technology: Children will use their counting and number knowledge when model making as well as pattern when creating a fruit kebab. Geography: Children will look at patterns within our local environment and use positional and directional language to navigate on a large map. History: Children will use ordinal numbers within their language when looking at famous arctic explorers and pirates. Computing: Children will use positional and directional language to program an algorithm into the BeeBot. Music: Children will count the beats in a song/nursery rhyme. Counting how many beats on an instrument. PE: A range of maths skills will be used in PE – one to one correspondence, subitising, ordinal numbers, shape, position, pattern and direction as well as addition to add up points. RE: Use ordinal language and sequencing pictures to order the Nativity and Easter story. MFL: Singing Spanish number nursery rhymes Local/ International: Children will incorporate maths within their local visits around the area – autumn nature walk – one to one correspondence and counting how many conkers they have found – Spring walk – counting different signs of spring and addition.</p> <p>Careers: farmer, teacher, PE/Fitness coach. Dietician, Children's TV presenter (Jack Hartmann), translator</p>														
	Number and place value (10)	Addition and subtraction (10)	2D and 3D Shapes	Number and place value (20)	Addition and subtraction (20)	Number and place value (50)	Counting in 2's, 5's and 10's	Measurement	Multiplication and division	Fractions	Geometry: position and direction	Number and place value (100)	Money	Time	
Year 1	<p>Curriculum Links: Science: Children will use a range of mathematical skills when completing and recording experiments. Art & Design: Children will be working on shape and pattern in art. Design & Technology: Children will use their number knowledge and non-standard units of measurement when designing and making as well as pattern when designing a healthy snack. Geography: Children will use position and direction to navigate on a map/Aerial view. History: Children will use ordinal numbers to complete a timeline. Computing: Children will use position and direction to program an algorithm into the BeeBot and then use addition and subtraction before debugging the Beebot so it reaches the correct destination. Music: Children will count the beats in a song. PE: A range of maths skills will be used in PE (counting, ordinal numbers, shape, position and direction, time, nonstandard units of measurement as well as addition to add up points. RE: Use ordinal language to order the Easter story. MFL: Say and write the numbers 1-5 in Spanish. Local/ International: Children will use maths skill to navigate a map of the local area.</p> <p>Careers: teacher, mathematician, engineer, PE/Fitness coach. Dietician, Scientist, designer, Children's TV presenter (Jack Hartmann), historian, translator</p>														

Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions	Measures	Statistics	Geometry	Ratio & Proportion	Algebra
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Rosa Street
Primary School

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	Number and place value	Addition and subtraction	Measures Money	Multiplication and division	Statistics	Measures Length and Height	Geometry Shapes	Fractions	Position and Direction	Problem Solving and efficient methods (using all 4 operations and money)	Measures: Time	Measures: Weight, volume and temperature
Year 2	<p>Curriculum Links: Science: Children will use a range of mathematical skills when completing and recording experiments. Art & Design: Children will be working on shape and pattern in art. Design & Technology: Children will use their number knowledge and non-standard units of measurement when using ingredients in cooking. When making their wheeled vehicles children will be using non-standard and standard measures Geography: Children will use position and direction to navigate on a map/Arial view. History: Children will use their knowledge of ordering numbers to complete a timeline. Computing: Children will use position and direction to program and debug an algorithm using floor and onscreen turtles. Children will also be using shapes to draw pictures on the computer. Music: Children will count the beats in a song. PE: A range of maths skills will be used in PE (counting, ordinal numbers, shape, position and direction, times tables) RE: Use ordinal language to order the Easter story. MFL: Say and write the numbers 1-10 in Spanish. Local/ International: Children will use maths skill to navigate a map of the local area.</p> <p>Careers: teacher, mathematician, economics careers, engineer, PE/Fitness coach. Dietician, Chef, Scientist, designer, historian, translator, weather presenter, shop keeper, accountant</p>											
Year 3	Number and Place Value	Addition and Subtraction	Multiplication and division	Multiplication and division	Money	Statistics	Length and Perimeter	Fractions	Fractions	Time	Shape	Mass and Capacity
	<p>Curriculum Links: Science: The children will use results tables, measuring and timing during experiments as well as graphing skills during the write up of experiments. Art & Design: The children will need to measure length when sketching/creating their own sculptures. They will also be working on shape and pattern in art. Design & Technology: the children will need to measure the weight of ingredients when making their Iron Age Stew. They will also need to measure length when making their earthquake proof houses (structures) and books with moving parts. Geography: The children will use maths skills to help support them in reading maps e.g. position and direction, using compass points and grid referencing. History: Sequence significant history events on a timeline. Computing: The children will use position, direction and angles when programming. They will also write code that can draw regular 2D shapes so will need to know the shapes properties. Music: The children will count the beats in a rhythm and repeat the sequence of rhythms. PE: A range of maths skills will be used in PE such as: counting, ordinal numbers, shape, position and direction, time, nonstandard units of measurement, standard measurements as well as addition to add up points. RE: Sequence significant religious events from different periods of time. MFL: Translate numerical vocabulary into Spanish/English. Local/ International: They will look at local area maps when exploring different mapping skills. The children will use global maps when investigating the locations of earthquakes and when comparing the UK to Spain. Careers: accountant, architect, chef, scientist, teacher, shopkeeper, computer programmer, musician, mathematician, engineer, PE/Fitness coach, dietician, designer, Children's TV presenter (Jack Hartmann), historian, translator, quantity surveyor, financial trader, stockbroker.</p>											

Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions	Measures	Statistics	Geometry	Ratio & Proportion	Algebra
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Rosa Street
Primary School

<p>Year 4</p>	Number and Place Value	Addition and Subtraction	Measure - Perimeter	Multiplication and Division	Measure - Area	Fractions	Decimals	Money	Time	Statistics	Geometry – angles and 2d shapes	Geometry – Position and direction									
<p>Curriculum Links: Science: measuring and timing during experiments Art & Design: Measure length when sketching their own structures (architect). Design & Technology: Measure the weight of ingredients when making Saxon bread. Measure when making Roman Catapults/Viking longboats. Geography: Map work when conducting fieldwork of the local area. Populations when looking at megacities. History: Sequence significant history events on a timeline. Computing: Direction, position and angles when programming. Music: Count the beats in a rhythm. Repeat the sequence of rhythms. PE: Measure distances and times in athletics. RE: Sequence significant religious events from different periods of time. MFL: Translate numerical vocabulary in Spanish.</p> <p>Local/ International: Mapping when exploring the locality we live in. Global maps and population when investigating megacities.</p> <p>Careers: accountant, architect, chef, scientist, teacher, shopkeeper, computer programmer, musician.</p>																					
<p>Year 5</p>	Number & Place Value	Addition and Subtraction	Statistics	Multiplication & Division	Area & Perimeter	Multiplication & Division	Fractions	Decimals & Percentages	Place value, decimals, ordering & comparing	Addition and subtraction of decimals	Multiplication and division of decimals.	Geometry- shape, angles, position and direction.	Measurement converting								
<p>Curriculum links: Science: Record data in tables and then convert this information into bar graphs and line graphs. Art & Design: Measuring length accurately.. Design & Technology: Measure the weight of ingredients when cooking Greek food and introduce ratio. Accurately measure length in construction of our moon buggy. Geography: Use 6-figure grid references on a map when conducting fieldwork of the local area. Use 8 compass points for direction. History: Sequence significant history events on a timeline. Computing: Accurately use measurements in CAD. Music: Count the beats in a rhythm. Repeat the sequence of rhythms. PE: Measure distances and times in athletics. RE: Sequence significant religious events in a story board. MFL: Translate numerical vocabulary in Spanish.</p> <p>Local/ International: Use maps with 6-figure grid references to navigate- link to Iceland (Geography) and Greece (History) Explore the scale on local and global maps. Calculating budgets and shopping locally to buy products. Compare prices in a range of shops to purchase ingredients for Greek cookery.</p> <p>Careers: accountant, quantity surveyor, architect, chef, scientist, teacher, financial trader, shopkeeper, stockbroker.</p>																					
<p>Year 6</p>	Number & place value	Four operations	Fractions	Geometry- coordinates	Number, decimals & percentages	Algebra	Measuring	Ratio	Geometry- shapes	Statistics											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%;">Number & Place Value</td> <td style="width: 12.5%;">Addition & Subtraction</td> <td style="width: 12.5%;">Multiplication & Division</td> <td style="width: 12.5%;">Fractions</td> <td style="width: 12.5%;">Measures</td> <td style="width: 12.5%;">Statistics</td> <td style="width: 12.5%;">Geometry</td> <td style="width: 12.5%;">Ratio & Proportion</td> <td style="width: 12.5%;">Algebra</td> </tr> </table>													Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions	Measures	Statistics	Geometry	Ratio & Proportion	Algebra
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Curriculum Links:

Science:

Art & Design: Measure length, area and perimeter when creating floor plans of famous British Empire buildings.

Design & Technology: Measure the weight of ingredients when cooking Chinese food. Calculate the cost of materials when creating a wooden canon.

Geography: Use 6-figure grid references on a map when conducting fieldwork of the local area.

History: Sequence significant history events on a timeline.

Computing: Create formulas to calculate a budget.

Music: Count the beats in a rhythm. Repeat the sequence of rhythms.

PE: Measure distances and times in athletics.

RE: Sequence significant religious events in a story board.

MFL: **Translate numerical vocabulary in Spanish.**

Local/ International:

Use maps with 6-figure grid references to navigate

Explore the scale on local and global maps.

Calculating budgets and shopping locally to buy products for entrepreneur project.

Careers: accountant, quantity surveyor, architect, chef, scientist, teacher, financial trader, shopkeeper, stockbroker.

RRS:

Article 12 - Every child has the right to express their views, feelings and wishes in all matters affecting them, and to have their views considered and taken seriously.

Article 13 - Every child has the right to have information.

Article 15 - Every child has the right to meet with other children and join groups and organisations.

Article 16 - Every child has their right to privacy.

Article 17 - Every child has the right to honest and reliable information.

Article 28 - Every child has the right to be educated.

Article 29 - Every child has the right to be the best that they can be.

Educate & Celebrate:

Ensure there are a wide range of mathematical problems which show a variety of people of all denominations: religion, race, gender, marriage, pregnancy, disability and ages.