

## SPRS – Academic Year 2021- 2022

### Curriculum Map – Subject: Key Stage 2 Maths

**Aim –** Key Stage 2 pupils will follow a curriculum that builds on the knowledge and skills they have learnt in Key Stage 1. They will recall information and use this to help them progress further. They will become independent thinkers. This curriculum will equip pupils with the knowledge and skills for Key Stage 3.

Term 1		Term 2		Term 3	
<b>Learning Cycle 1</b> 7 <sup>th</sup> Sept 2021 – 22 <sup>nd</sup> Oct 2021 7 Weeks	<b>Learning Cycle 2</b> 1 <sup>st</sup> Nov 2021 – 17 <sup>th</sup> Dec 2021 7 Weeks	<b>Learning Cycle 3</b> 5 <sup>th</sup> Jan 2022 – 18 <sup>th</sup> Feb 2022 7 Weeks	<b>Learning Cycle 4</b> 28 <sup>th</sup> Feb 2022 – 8 <sup>th</sup> Apr 2022 6 Weeks	<b>Learning Cycle 5</b> 25 <sup>th</sup> Apr 2022 – 27 <sup>th</sup> May 2022 5 Weeks	<b>Learning Cycle 6</b> 6 <sup>th</sup> June 2022-25 <sup>th</sup> July 2022 7 Weeks
<p><b><u>Intent</u></b></p> <p>Pupils will continue to study from these concepts. Know and use numbers. Add and subtract. Use measures. Understand the properties of shape.</p> <p><b><u>Implementation</u></b></p> <p>Pupils to count in multiples of 2 to 9, 25, 50, 100 and 1000. Find 1000 more, 1000 less. Recognise place value in 3 digit numbers, 100, 10, 1. They will be able to solve 2 step addition and subtraction problems, multiplication and division problems, including word problems. Pupils will use cm, mm, m to measure, length, mass. Identify names and properties</p>	<p><b><u>Intent</u></b></p> <p>Pupils to further their understanding of the number system. Recognise simple fractions. Interpret, manipulate and present data in various ways.</p> <p><b><u>Implementation</u></b></p> <p>Pupils will use formal written methods to add and subtract 3 digit numbers. They will increase their ability to add and subtract mentally a 3 digit numbers and one, a 3 digit number and 10's. Pupils will recall their knowledge of <math>\frac{1}{2}</math> and <math>\frac{1}{4}</math> and recognise other equivalent fractions of these. Move onto</p>	<p><b><u>Intent</u></b></p> <p>Pupils to understand the number system in a variety of ways. To recognise and name 3D shapes. They will recognise mathematical properties and relationships using symbolic representations.</p> <p><b><u>Implementation</u></b></p> <p>Pupils will be introduced to negative numbers, counting upwards and backwards through zero. They will understand the order of negative number and add and subtract negative numbers. They will identify and categorise 3D shapes. Draw and model them</p>	<p><b><u>Intent</u></b></p> <p>Pupils to describe position, direction and movement. To become familiar with a range of measures. Understand the number system. Use measure.</p> <p><b><u>Implementation</u></b></p> <p>Pupils will study angles and recognise they are a rotation of a shape. They will identify right angles, obtuse angles and acute angles. They will plot coordinates in the first quadrant. They will practice drawing axis. Pupils will begin to measure the perimeter of simple 2D shapes and then move onto calculating the area.</p>	<p><b><u>Intent</u></b></p> <p>Pupils will understand the number system and how it is used in a variety of ways. They will understand simple equivalent fractions. Recognise mathematical properties and relationships using symbolic representations.</p> <p><b><u>Implementation</u></b></p> <p>Pupils will use their knowledge of place value to know 4 digit numbers. They will be introduced to decimals and their connections to fractions. They will understand how to round numbers to the nearest 10, 100, ones, and 1dp. They will</p>	<p><b><u>Intent</u></b></p> <p>Pupils to be able to interpret, manipulate and present data in various ways. They will be able to recall previous knowledge. Use measure.</p> <p><b><u>Implementation</u></b></p> <p>Pupils will recall knowledge of simple charts, diagrams, tables and interpret the data. They will progress onto collecting and presenting information in the most relevant way. They will calculate the mean as an average. Recall how to calculate the perimeter of simple 2D shapes. Pupils will then</p>

<p>of 2D and 3D shapes. Tell the time.</p> <p><b><u>Impact</u></b> Pupils will have built on prior knowledge and skills learnt in Key Stage 1 of the number system in a variety of mathematical ways. They will recall prior knowledge of 2 D and 3D shapes and further this knowledge.</p>	<p>counting up and down in tenths. Pupils will recall how to interpret simple graphs and tables and solve questions. They will move onto collecting their own data and presenting in simple graphs, diagrams and tables.</p> <p><b><u>Impact</u></b> Pupils will build on their knowledge of place value and use this to increase their confidence in formal written and mental calculations.</p>	<p>to describe their properties.</p> <p><b><u>Impact</u></b> Pupils will understand and order negative numbers and be able to place them on the number line. They will then use this knowledge to add and subtract negative numbers. They will be able to describe 3D shapes.</p>	<p>They will be able to read Roman Numerals up to 1000. Pupils to identify the triangles equilateral, iscosoles and right angle triangle.</p> <p><b><u>Impact</u></b> Pupils will build on their prior knowledge of rotations and recognise angles are a rotation of a shape and be able to identify them. They will be introduced to coordinates.</p>	<p>order fractions with the same denominator and find equivalences. Pupils will be able to solve addition and subtraction, multiplication and division problems that involve missing numbers. This will lead onto using simple formulae.</p> <p><b><u>Impact</u></b> Pupils will be understand the relationship between fractions and decimals. They will use their knowledge of missing numbers in a calculation to be able to solve simple formulae.</p>	<p>progress onto calculating the area of parallelograms and triangles.</p> <p><b><u>Impact</u></b> Pupils will be able to use their knowledge of graphs, tables and diagrams to collect their own data and decide on the most suitable way to present it. They will use their measuring skills to progress from finding the perimeter to finding the area of 2D shapes.</p>
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