

Year 3, Block 3, Medium Term Plan, Mathematics, 2021 - 2022

Block 3, Year 3		
Week	National Curriculum Attainment Targets <i>Pupils should be taught to:</i>	Learning Objectives <i>Pupil Targets</i>
1	<p>Number - Number and place value</p> <ul style="list-style-type: none"> • recognize the place value of each digit in a three-digit number (hundreds, tens, ones) • compare and order numbers up to 1000 • identify, represent and estimate numbers using different representations • read and write numbers up to 1000 in numerals and in words • solve number problems and practical problems involving these ideas 	<p>Number - Number and place value</p> <ul style="list-style-type: none"> • Read and write numbers to 1000 in numerals and in words • Partition three-digit numbers into hundreds, tens, ones and in other ways • Order a set of numbers to at least 1000 • Solve number problems and reason mathematically
2	<p>Number - Addition and subtraction, including Measurement (money)</p> <ul style="list-style-type: none"> • solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction • add and subtract amounts of money to give change, using both £ and p in practical contexts 	<p>Number - Addition and subtraction, including Measurement (money)</p> <ul style="list-style-type: none"> • Add amounts of money • Work out change from £1 and £2 • Solve word problems involving money
3	<p>Geometry - Properties of shape</p> <ul style="list-style-type: none"> • draw 2-D shapes and describe them • recognise angles as a property of shape 	<p>Geometry - Properties of shape</p> <ul style="list-style-type: none"> • Recognise, name and draw 2-D shapes, including: pentagon, hexagon and octagon • Make composite shapes with two or more shapes • Identify the number of right angles in a composite or irregular shape

		<ul style="list-style-type: none"> Describe shapes in terms of angles, sides and vertices
4	<p>Number - Multiplication and division, including</p> <p>Number and place value</p> <ul style="list-style-type: none"> count from 0 in multiples of 4 and 8 recall and use multiplication and division facts for the 4 and 8 multiplication tables solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects 	<p>Number - Multiplication and division, including</p> <p>Number and place value</p> <ul style="list-style-type: none"> Recall all the division facts for the 4 and 8 multiplication tables Use halving to recall the division facts for the 4 and 8 multiplication tables Solve word problems and reason mathematically
5	<p>Number – Fractions</p> <ul style="list-style-type: none"> recognise, find and write fractions of a discrete set of objects: unit and non-unit fractions with small denominators recognise and use fractions as numbers: unit and non-unit fractions with small denominators compare and order unit fractions, and fractions with the same denominator solve problems that involve all of the above 	<p>Number – Fractions</p> <ul style="list-style-type: none"> Compare and order unit fractions, and non-unit fractions with the same denominator Find unit and non-unit fractions of quantities and numbers Use the denominator to know what to divide by Recognise and use the link between fractions and division
6	Measurement (length and perimeter)	Measurement (length and perimeter)

	<p>measure, compare, add and subtract lengths (m/cm/mm)</p>	<ul style="list-style-type: none"> • Read the scale on a ruler and draw lines to the nearest centimetre and millimetre • Use the scale on a ruler to measure a length or distance to the nearest centimetre and millimetre • Know that 1 cm is equivalent to 10 mm • Choose and use a suitable unit to estimate a length of an object and the distance between two objects • Apply knowledge of place value to add and subtract length in mixed units
7	<p>Number - Addition and subtraction</p> <ul style="list-style-type: none"> • add numbers mentally, including: <ul style="list-style-type: none"> - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds • add numbers with up to three digits, using the formal written method of columnar addition • estimate the answer to a calculation and use inverse operations to check answers 	<p>Number - Addition and subtraction</p> <ul style="list-style-type: none"> • Use the expanded written method of columnar addition • Use the formal written method of columnar addition • Add numbers mentally, including a three-digit number and ones, tens and hundreds