Year Two Overview for Mathematics

White Rose Maths Hub

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week10	Week11	Week 12
Autumn	Number: Place Value			Number: Addition and Subtraction					Measurement: Money		Number: Multiplication and Division	Consolidation
Spring	Number: Multiplication and Division				Statistics		Geometry: Properties of Shape		Number: Fractions			
Summer	Measurement: Length and height		Geometry: Position and Direction		Consolidation and problem solving		Measurement: Time		Measurement: Mass, Capacity and Temperature			Consolidation

Year 2 – Objectives for Mathematics

<table>
<tr><th></th><th colspan="3">Week 1</th><th colspan="3">Week 2</th><th colspan="3">Week 3</th><th colspan="3">Week 4</th><th colspan="3">Week 5</th><th colspan="3">Week 6</th><th colspan="3">Week 7</th><th colspan="3">Week 8</th><th colspan="3">Week 9</th><th colspan="3">Week 10</th><th colspan="3">Week 11</th><th colspan="3">Week 12</th></tr>
<tr><td>Autumn</td>
<td colspan="9">Number: Place Value
- Read and write numbers to at least 100 in numerals and in words.
- Recognise the place value of each digit in a two-digit number (tens, ones)
- Identify, represent and estimate numbers using different representations including the number line.
- Compare and order numbers from 0 up to 100; use <, > and = signs.
- Use place value and number facts to solve problems.
- Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.</td>
<td colspan="12">Number: Addition and Subtraction
- Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.
- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.
- Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.
- Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.
- Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</td>
<td colspan="6">Measurement: Money
- Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.
- Find different combinations of coins that equal the same amounts of money.
- Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.</td>
<td colspan="3">Number: Multiplication and Division (see Spring weeks 1-4)</td>
<td colspan="3">Consolidation</td></tr>
<tr><td>Spring</td>
<td colspan="12">Number: Multiplication and Division
- Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers
- Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs.
- Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.
- Show that the multiplication of two</td>
<td colspan="6">Statistics
- Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.
- Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
- Ask and answer questions about totalling and comparing categorical data</td>
<td colspan="6">Geometry: Properties of Shape
- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
- Identify and describe the properties of 3- D shapes, including the number of edges, vertices and faces.
- Identify 2-D shapes on the surface of 3-D</td>
<td colspan="12">Number: Fractions
- Recognise, find, name and write fractions 13, 14, 24 and 34 of a length, shape, set of objects or quantity.
- Write simple fractions for example, 12 of 6 = 3 and recognise the equivalence of 24 and 12.</td></tr>
</table>

	numbers can be done in any order (commutative) and division of one number by another cannot.			shapes, [for example, a circle on a cylinder and a triangle on a pyramid.] - Compare and sort common 2-D and 3-D shapes and everyday objects.		
Summer	Measurement: Length and Height - Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels - Compare and order lengths, mass, volume/capacity and record the results using >, < and =	Position and Direction - Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise). - Order and arrange combinations of mathematical objects in patterns and sequences	**Consolidation and problem solving**	Measurement: Time - Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. - Know the number of minutes in an hour and the number of hours in a day. - Compare and sequence intervals of time.	Measurement: Length and Height - Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels - Compare and order lengths, mass, volume/capacity and record the results using >, < and =	**Consolidation**