

# Sapphire- Year 2 Medium Term Curriculum Map

-Differentiation by input see the weekly planning sheet/ -Key vocab for each learning objective is in red font / -Resources -see the weekly planning / -Minimum Assessment for Learning strategies for all topics = Peer Talk; targeted questioning; mini white boards; and self and peer marking - Long term memory development strategies= Recapping previous learning at the start of each new topic / Long term memory strategy linked to the objectives on this sheet for each week -Mathematics Cultural Capital = Applying maths investigative Skill and problem-solving skills = Try to embed these into all lessons – where applicable							
Sapphire Year 2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
<b>The learning objectives must be taught in the numbered order</b>							
Autumn first half	<b>Number and Place Value</b> <b>Learning Objectives:</b> LO 1: Read and write numbers to at least a 100 in numbers in words LO 2: Recognise the place value of each digit in a 2-digit number (tens and ones) LO 3: Compare and order numbers from 0 to 100	<b>Addition</b> LO 1: Add numbers using concrete objects and pictorial representations including: A two-digit number and ones. A two-digit number and tens LO 2: Recall and use addition facts to 20.	<b>Subtraction</b> LO 1: Subtract numbers using concrete objects and pictorial representations including: A two-digit number and ones. A two-digit number and tens LO 2: Recall and use subtraction facts to 20.	<b>Fractions</b> LO 1: write simple fractions for example $\frac{1}{2}$ of 6 =3 LO 2: Recognise, find, name and write $\frac{1}{2}$ and $\frac{1}{4}$ of a shape, set of objects or quantity	<b>Geometry-2D shape</b> LO 1: Identify and describe the properties of 2D shapes including the number of sides. LO 2: Compare and sort common 2D shapes and every day objects.	<b>Geometry 3D shape</b> LO 1: Identify and describe the properties of 3D shapes including the number of edges, vertices and faces LO 2: Compare and sort common 3D shapes and every day objects.	Assessment, Consolidation and Review
Autumn second half	<b>Multiplication</b> LO 1: recognising odd and even numbers LO 2: Pupils are introduced to the multiplication tables. They practice to become fluent in the 2, 5 and 10 multiplication tables LO 3: Calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (x) and equals (=) signs	<b>Division</b> LO 1: Pupils are introduced to the division facts for the 2, 5 and 10 multiplication tables. LO 2: Calculate mathematical statements for division within the multiplication tables and write them using the division (÷) and equals (=) signs	<b>Number and Place Value</b> LO 1: count in two and tens from any number, forward and backward LO 2: Recognise the place value of each digit in a 2-digit number (tens and ones) LO 3: Compare and order numbers from 0 up to 100; using < > = signs	<b>Time</b> LO1: compare and sequence intervals of time LO2: know the number of minutes in an hour and then number of hours in a day LO3: Tell and write the time to fifteen minutes and draw the hands on a clock face to show these times.	<b>Measurement-Length and Height</b> LO1: choose and use appropriate standard units to estimate and measure lengths/height in any direction (m/cm) to the nearest appropriate unit using rulers LO2: Compare and order lengths and record the results using < > and =	<b>Money</b> LO1: Recognise and use symbols for pounds (£) and pence (p) LO2: Combine amounts to make a particular value LO3: Begin to find different combinations of coins that equal the same amount of money	Assessment, Consolidation and Review
Spring first half	<b>Addition</b> LO1: add numbers using concrete objects, pictorial representations, including: - two two-digit numbers - adding three one-digit numbers LO2: solve problems with addition, applying increasing knowledge of written methods	<b>Subtraction</b> LO1: subtract numbers using concrete objects, pictorial representations, including: - two two-digit numbers - adding three one-digit numbers LO2: solve problems with subtraction, applying increasing knowledge of written methods	<b>Statistics</b> LO1: ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity LO2: interpret and construct simple tally charts LO3: interpret and construct simple block diagrams	<b>Statistics</b> LO1: ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity LO2: interpret and construct simple pictograms LO3: interpret and construct simple tables LO4: ask and answers questions about totalling and comparing categorical data	<b>Fractions</b> LO1: Recognise, find, name and write fractions $\frac{1}{2}$ , $\frac{1}{3}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a set of objects or quantity LO2: Recognise, find, name and write fractions $\frac{1}{2}$ and $\frac{1}{4}$ of a length and shape	<b>Geometry – position and direction</b> LO1: Order and arrange combinations of mathematical objects in patterns and sequences LO2: Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and disguising between rotation as a turn and in quarter, half and three-quarter turns (clockwise and anti-clockwise)	Assessment, Consolidation and Review
Spring second half	<b>Number and Place Value</b> LO 1: count in fives from any number, forward and backward LO2: Identify, represent and estimate numbers using different representations, including the number line LO3: Use place value and number facts to solve problems	<b>Addition/Subtraction</b> LO1: add and subtract numbers mentally, including: - a two-digit number and ones LO2: show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot	<b>Multiplication/Division</b> LO1: Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables LO2: Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	<b>Measurement – Mass</b> LO1: Choose and use appropriate standard units to estimate and measure mass (kg/g) LO2: Compare and order mass and record the results using >, < and = LO3: Pupils use standard units of measurement with increasing accuracy	<b>Measurement - Time</b> LO1: compare and sequence intervals of time LO2: know the number of minutes in an hour and then number of hours in a day LO3: Tell and write the time to fifteen minutes and draw the hands on a clock face to show these times.	<b>Measurement – Temperature/Capacity</b> LO1: Choose and use appropriate standard units to estimate and measure temperature (degrees Celsius) to the nearest appropriate unit, using thermometers LO2: Choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit, using measuring vessels LO3: Compare and order volume and capacity and record the results using >, < and =	Assessment, Consolidation and Review
Summer first half	<b>Geometry – 2D Shape</b> LO 1: Compare and sort common 2D shapes and every day objects LO 2: Identify and describe the properties of 2D shapes including the number of sides and lines of symmetry in a vertical line	<b>Geometry – 3D Shape</b> LO1: Compare and sort common 3D shapes and every day objects. LO 2: Identify and describe the properties of 3D shapes including the number of edges, vertices and faces LO3: identify 2D shapes on the surface of 3D shoes (for example a circle on a cylinder and a triangle on a pyramid).	<b>Time</b> LO1: Tell and write the time to fifteen minutes and draw the hands on a clock face to show these times LO2: 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	<b>Money</b> LO1: Combine amounts to make a particular value LO2: Continue to find different combinations of coins that equal the same amount of money LO3: Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.	<b>Addition/Subtraction</b> LO1: 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 LO2: Show that addition of two numbers can be done in any order (Commutative) and subtraction from one number from cannot. LO3: Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems	<b>Multiplication and Division</b> LO1: Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables LO2: Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot LO3: Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	Assessment, Consolidation and Review
Summer second half	<b>Number and Place Value</b> LO: Count in steps of 2, 3, 5 and 10, and in tens from any number, forward and backward LO2: Recognise the place value of each digit in a two-digit number LO3: Pupils should partition numbers in different ways (for example $23 = 20 + 3$ and $23 = 10 + 13$ ).	<b>Fractions</b> LO1: Recognise, find, name and write fractions $\frac{1}{2}$ , $\frac{1}{3}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a set of a length and shape LO2: recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$	<b>Geometry – position and direction</b> LO1: Order and arrange combinations of mathematical objects in patterns and sequences LO2: 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)	<b>Measurement mass, length, capacity</b> LO1: Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm), mass (kg/g) and capacity (l/ml) to the nearest appropriate unit, using rulers, scales and measuring vessels LO2: Compare and order lengths, mass and volume/capacity and record the results using > < and =	<b>Statistics</b> LO1: Interpret and construct simple tally charts and simple tables LO2: Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity LO3: ask and answer questions about totalling and comparing categorical data	<b>Statistics</b> LO1: Interpret and construct simple pictograms and simple block diagrams LO2: Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity LO3: ask and answer questions about totalling and comparing categorical data	Assessment, Consolidation and Review