

Year 2 Maths Base Curriculum Yearly Overview

Autumn Term		Week 1 – 3 (BLOCK 1)	Week 4 – 8 (BLOCK 2)	Week 9 – 10 (BLOCK 3)	Week 11 – 12 (BLOCK 4)
		Number: Place Value	Number: Addition and Subtraction	Measurement: Money	Number: Multiplication and Division
White Rose Maths Small Steps		<ul style="list-style-type: none"> Count objects to 100 and read and write numbers in numerals and words. Represent numbers to 100. Tens and ones with a part whole model. Tens and ones using addition. Use a place value chart. Compare objects. Compare numbers. Order objects and numbers. Count in 2s, 5s and 10s. Count in 3s. 	<ul style="list-style-type: none"> Fact families – Addition and subtraction bonds to 20. Check calculations. Compare number sentences. Related facts. Bonds to 100 (tens). Add and subtract 1s. 10 more and 10 less. Add and subtract 10s. Add a 2-digit and 1-digit number – crossing ten. Subtract a 1-digit number from a 2-digit number – crossing 10. Add two 2-digit numbers – not crossing ten – add ones and add tens. Add two 2-digit numbers – crossing ten – add ones and add tens. Subtract a 2-digit number from a 2-digit number – not crossing ten. Subtract a 2-digit number from a 2-digit number – crossing ten – subtract ones and tens. Bonds to 100 (tens and ones). Add three 1-digit numbers. 	<ul style="list-style-type: none"> Count money – pence. Count money – pounds (notes and coins). Count money – notes and coins. Select money. Make the same amount. Compare money. Find the total. Find the difference. Find change. Two-step problems. 	<ul style="list-style-type: none"> Recognise equal groups. Make equal groups. Add equal groups. Multiplication sentences using the x symbol. Multiplication sentences from pictures. Use arrays. 2 times-table. 5 times-table. 10 times-table.
	National Curriculum Link	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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 (x), division (÷) and equals (=) sign. 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 numbers can be done in any order (commutative) and division of one number by another cannot.
TAF Statements 2018 – 2019	WT	<ul style="list-style-type: none"> Read and write numbers in numerals up to 100. Partition a two-digit number into tens and ones and demonstrate and understanding of place value, though they may use structured resources to support them. 	<ul style="list-style-type: none"> Add and subtract (one digit numbers) explaining their method verbally in pictures or using apparatus. Recall at least four of the six number bonds for 10 and reason about associated facts. 	<ul style="list-style-type: none"> Know the value of different coins. 	N/A
	WA	<ul style="list-style-type: none"> Read scales in divisions of ones, twos, fives and tens. Partition two digit numbers into different combinations of tens and ones, explaining their thinking verbally, in pictures or using apparatus. 	<ul style="list-style-type: none"> Recall all the number bonds to and within 10. and use these to reason with and calculate bonds to and within 20, recognising other associated additive relationships. 	<ul style="list-style-type: none"> Use different coins to make the same amount. 	<ul style="list-style-type: none"> Recall multiplication and division facts for 2, 5 and 10 and use them to solve simple problems, demonstrating and understanding of commutativity as necessary.
	GD	<ul style="list-style-type: none"> Read scales where not all numbers on the scale are given and estimate points in between. Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	<ul style="list-style-type: none"> Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	<ul style="list-style-type: none"> Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	<ul style="list-style-type: none"> Recall and use multiplication and division facts for 2, 5 and 10 and make deductions outside known multiplication facts. Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step.

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Spring Term		Week 1 – 2 (BLOCK 1)	Week 3 – 4 (BLOCK 2)	Week 5 – 7 (BLOCK 3)	Week 8 – 10 (BLOCK 4)	Week 11 (BLOCK 5)	Week 12
		Number: Multiplication and Division	Statistics	Geometry: Properties of Shape	Number: Fractions	Measurement: Length and Height	Consolidation
White Rose Maths Small Steps		<ul style="list-style-type: none"> Make equal groups – sharing. Make equal groups – grouping. Divide by 2. Odd and even numbers. Divide by 5. Divide by 10. 	<ul style="list-style-type: none"> Make tally charts. Draw pictograms (1-1). Interpret pictograms (1-1). Draw pictograms (2, 5 and 10). Interpret pictograms (2, 5 and 10). Block diagrams. 	<ul style="list-style-type: none"> Recognise 2D and 3D shapes. Count sides on 2D shapes. Count vertices on 2D shapes. Draw 2D shapes. Lines of symmetry. Sort 2D shapes. Make patterns with 2D shapes. Count faces on 3D shapes. Count edges on 3D shapes. Count vertices on 3D shapes. Sort 3D shapes. Make patterns with 3D shapes. 	<ul style="list-style-type: none"> Make equal parts. Recognise half. Find half. Recognise quarter. Find a quarter. Recognise a third. Find a third. Unit fractions. NonUnit fractions. Equivalence of $\frac{1}{2}$ and $\frac{2}{4}$. Find three quarters. Count in fractions. 	<ul style="list-style-type: none"> Measure length (cm). Measure length (m). Compare lengths. Order lengths. Four operations with lengths. 	All
	National Curriculum Link	<ul style="list-style-type: none"> 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 (\times), division (\div) 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 numbers can be done in any order (commutative) and division of one number by another cannot. 	<ul style="list-style-type: none"> 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 totaling and comparing categorical data. 	<ul style="list-style-type: none"> 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 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. 	<ul style="list-style-type: none"> Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity. Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$. 	<ul style="list-style-type: none"> Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}$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 $=$. 	All
TAF Statements 2018 - 2019	WT	N/A	N/A	<ul style="list-style-type: none"> Name some common 2D and 3D shapes from a group of shapes or from pictures of the shapes and describe some of their properties. 	N/A	N/A	All
	WA	<ul style="list-style-type: none"> Recall multiplication and division facts for 2, 5 and 10 and use them to solve simple problems, demonstrating and understanding of commutativity as necessary. 	<ul style="list-style-type: none"> Read scales in divisions of ones, twos, fives and tens. 	<ul style="list-style-type: none"> Name and describe properties of 2D and 3D shapes, including number of sides, vertices, edges, faces and lines of symmetry. 	<ul style="list-style-type: none"> Identify $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{2}{4}$, $\frac{3}{4}$ of a number or shape and know that all the parts must be equal parts of the whole. 	N/A	All
	GD	<ul style="list-style-type: none"> Recall and use multiplication and division facts for 2, 5 and 10 and make deductions outside known multiplication facts. Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	<ul style="list-style-type: none"> Read scales where not all numbers on the scale are given and estimate points in between. Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	<ul style="list-style-type: none"> Describe the similarities and differences of 2D and 3D shapes, using their properties. Solve unfamiliar word problems that involves more than one step. 	<ul style="list-style-type: none"> Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	<ul style="list-style-type: none"> Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	All

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Summer Term		Week 1 - 3 BLOCK 1	Week 4 - 5 BLOCK 2	Week 6 - 7 BLOCK 3	Week 8 - 10 BLOCK 4	Week 11 - 12 BLOCK 5
		Geometry: Position and Direction	Problem solving and efficient methods	Measurement: Time	Measurement: Mass, Capacity and Temperature	Investigations
White Rose Maths Small Steps		<ul style="list-style-type: none"> Describing movement. Describing turns. Describing movement and turns. Making patterns with shapes. 	All	<ul style="list-style-type: none"> O'clock and half past. Quarter past and quarter to. Telling time to 5 minutes. Minutes in an hour, hours in a day. Find durations of time. Compare durations of time. 	<ul style="list-style-type: none"> Compare mass. Measure mass in grams. Measure mass in kilograms. Compare capacity. Millilitres. Litres. Temperature. 	All
	National Curriculum Link	<ul style="list-style-type: none"> 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. 	All	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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 =. 	All
TAF Statements 2018 - 2019	WT	N/A	All	<ul style="list-style-type: none"> Read the time on a clock 	N/A	All
	WA	N/A	All	<ul style="list-style-type: none"> Read the time on a clock to the nearest 15 minutes. 	N/A	All
	GD	<ul style="list-style-type: none"> Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	All	<ul style="list-style-type: none"> Read the time on a clock to the nearest 5 minutes. Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	<ul style="list-style-type: none"> Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involves more than one step. 	All