



Yearly Maths Plan

Years: 2/3

To be used in conjunction with White Rose Maths Hub Mastery Planning and Assessment

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number - Place Value Yr2 – Numbers to 100 Yr3 – Numbers to 1000 Times Tables		Addition and Subtraction Yr2 – Numbers within 100 (including money) Yr3 – Numbers within 1000 (including money) Times Tables							Number: Multiplication		
Spring	Number: Division		Statistics		Measure Length and Height	Geometry: Yr2 – Shape, Position and Direction Yr3 – Shape and Perimeter			Number: Yr2 - Fractions and Consolidation Yr3 - Fractions			
Summer	Measurement: Time		Problem Solving and Efficient Methods			Measurement: Yr2 – Mass, Capacity and Temperature Yr3 – Mass and Capacity			Investigations and Consolidation			

Autumn Term

Term 1		
	Year 2	Year 3
Number & place value (2 weeks)	<ul style="list-style-type: none"> count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward recognise the place value of each digit in a two-digit number (tens, ones) Read & write numbers to at least 100 in numerals & words identify, represent and estimate numbers using different representations, including the number line partition numbers in different ways compare and order numbers from 0 up to 100; use <, > and = signs use place value and number facts to solve problems 	<ul style="list-style-type: none"> count from 0 in multiples of 4, 8, 50 and 100; forward & back recognise the place value of each digit in a three-digit number (hundreds, tens, ones) read and write numbers up to 1000 in numerals and in words identify, represent and estimate numbers using different representations partition numbers in different ways compare and order numbers from 0 up to 1000; use <, > and = signs solve number problems and practical problems involving these ideas. Round whole numbers to 100 to the nearest 10
Addition & subtraction (2 weeks)	<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 show that 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: <ul style="list-style-type: none"> using concrete objects and pictorial representations, including those involving two 2-digit numbers & adding three 1-digit numbers applying their increasing knowledge of mental and written methods 	<ul style="list-style-type: none"> continue to use addition & subtraction facts to 20 & derive related facts up to 100 add and subtract 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 estimate the answer to a calculation and use inverse operations to check answers Use understanding of place value & partitioning to develop methods for addition & subtraction Add & subtract numbers with up to 3 digits using formal written methods of columnar addition & subtraction

<p>Multiplication & division (2 weeks)</p>	<ul style="list-style-type: none"> recall and use multiplication and division facts for the 2, 5 and 10 multiplication 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 show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot solve problems involving multiplication & division in context 	<ul style="list-style-type: none"> recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods show that multiplication is commutative & division is not solve problems, involving multiplication and division, using materials, arrays, repeated addition, mental methods, including problems in context
<p>Term 2</p>		
<p>Week 1</p>	<p>DT week: Measures - length and drawing rectangles (right angles)</p>	
<p>Money (1 week)</p>	<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 begin to 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"> Become confident in exchanging between £ & p when handling money add and subtract amounts of money to give change, using both £ and p in practical contexts
<p>Fractions (2 weeks)</p>	<ul style="list-style-type: none"> recognise, find, name & write fractions of $\frac{1}{2}$, $\frac{1}{3}$, & $\frac{1}{4}$ of a length, shape, set of objects or quantity Recognise simple & equivalent fractions Finding fractions of quantity & length Solve simple problems involving fractions 	<ul style="list-style-type: none"> recognise, find & write fractions of a set of objects, unit fractions with small denoms Recognise simple & equivalent fractions Finding fractions of objects, quantity & length Compare & order fractions Solve problems involving fractions
<p>Measures - length & height (1 weeks)</p>	<ul style="list-style-type: none"> Measure length & height using appropriate scales Solve problems involving length/ height . 	<ul style="list-style-type: none"> Measure length & height using appropriate scales Solve problems involving length/ height
<p>Geometry - properties of shapes (1 week)</p>	<ul style="list-style-type: none"> Identify & describe 2d & 3d shapes Identify vertical lines of symmetry Solve simple problems involving shapes- comparing shapes 	<ul style="list-style-type: none"> Describe 2 & 3d shapes Identify right angles & describe turns Mark given shapes on a grid Solve problems involving shapes-comparing shapes

Term 3		
	Year 2	Year 3
Number - addition & subtraction (2 week)	<ul style="list-style-type: none"> Estimate & solve problems involving addition & subtraction Use inverse to find missing numbers Use formal written methods to add & subtract Use inverse to check answers <p>A range of mathematical investigations</p>	<ul style="list-style-type: none"> Partition numbers in various ways to add & subtract larger numbers Solve problems in context Solve missing number problems Use formal written method to add and subtract numbers Estimate answers Check answers using inverse operations <p>A range of mathematical investigations</p>
Multiplication & division (2 weeks)	<ul style="list-style-type: none"> Mentally recall multiplication & division facts Calculate mathematical statements for multiplication & division problems Multiply & divide practically Solve problems involving multiplication & division in context Check answers by estimation & by using inverse operations <p>A range of mathematical investigations</p>	<ul style="list-style-type: none"> Mentally recall multiplication & division facts Derive related facts based on known facts Solve problems involving multiplication & division, including missing number problems Solve problems in context Estimate & check answers to calculations <p>A range of mathematical investigations</p>
Time & Roman numerals (2 week)	<ul style="list-style-type: none"> compare & sequence intervals of time know the no of mins in an hour & the no of hours in a day Tell & write time accurately to 5 mins Draw hands on clock face to show time <p>record time on an analogue clock in words</p>	<ul style="list-style-type: none"> Convert confidently between analogue & digital clocks estimate & read time accurate to the min record & compare time in terms of secs, mins & hours, using vocab such as o'clock, am/ pm/ morn/ afternoon/ midnight tell & write time from an analogue clock, inc using Roman numerals, 12- hour & 24-hour clocks <p>compare durations of events</p>
Term 4		
Measure - weights & capacity (2 week)	<ul style="list-style-type: none"> Measure mass & capacity using appropriate scales choose & use app std units to estimate & measure mass (kg/g) Choose & use app std units to estimate & measure capacity (ltrs/ ml) Solve problems involving mass & capacity/ volume Maths investigations 	<ul style="list-style-type: none"> Measure mass & capacity using appropriate scales record measurements using mixed units - kg & g choose & use app tools to measure range of measures measure, compare, add & sub mass & volume Solve problems involving mass & capacity/ volume Maths investigations
Graphs (2 weeks)	<ul style="list-style-type: none"> interpret data from simple pictograms, tally charts, block diags & simple tables 	<ul style="list-style-type: none"> interpret bar charts, pictos & tables present data in bar charts, pictos & tables

	<ul style="list-style-type: none"> • present data in simple tables, pictos, tally charts & block diags • ask & answer questions about totalling & comparing categorical data • ask & ans simple ques by counting the no of objects in each category & sorting the categories by quantity • Solve simple problems involving data collected 	<ul style="list-style-type: none"> • solve probe with one or two steps using charts, pictos & tables • continue to count the no of objects in each category and sort the categories by quantity • Interpret data • Present data • Ask & answer questions about data • Solve problems involving data collected
Fractions (1 week)	<ul style="list-style-type: none"> • Recognise simple & equivalent fractions • Finding fractions of quantity & length • Solve simple problems involving fractions 	<ul style="list-style-type: none"> • Recognise simple & equivalent fractions • Finding fractions of objects, quantity & length • Compare & order fractions • Add and subtract simple fractions • Solve problems involving fractions
Term 5		
Money (4 days & 1 week)	<ul style="list-style-type: none"> • Recognise & use symbols for pounds & pence • combine amounts of money to make a particular value • Use money in pounds & pence to compare & order amounts • Solve problems involving addition & subtraction of money including giving change 	<ul style="list-style-type: none"> • become confident in exchanging between £ & p when handling money • continue to solve problems involving combinations of coins and notes • Use £ & p to exchange between amounts • Add & subtract amounts of money to give change, recording £ & p separately • Solve problems involving money including giving change
Shapes (1 week)	<ul style="list-style-type: none"> • Identify & describe 2d & 3d shapes including identifying 2d shapes on the surface of 3d shapes • Identify & describe properties of 2d shapes including the number of sides & line of symmetry in a vertical line • Identify & describe properties of 3d shapes including the number of edges, vertices & faces • Solve simple problems involving shapes 	<ul style="list-style-type: none"> • describe 2d shapes using accurate language • recognise 3d shapes in different orientations & describe them • Identify right angles, recognise that two right angles make a half-turn, three make three quarters of turn & four a complete turn. • mark a given square on a grid • Solve simple problems involving shapes
Number Revisit to cover gaps (1 weeks)	<ul style="list-style-type: none"> • Formal written methods for adding and subtracting • Fractions • Telling time accurately • Compass points and turns 	<ul style="list-style-type: none"> • Formal written methods for adding and subtracting • Fractions • Telling time accurately • Compass points and turns

Consolidation (1 week)	Y2 SATs week	Y3 maths investigations
Term 6		
	Year 2	Year 3
Numbers (week 1: 4 days)	Investigations: <ul style="list-style-type: none"> - Use number facts and place values to solve problems - Using known facts derive related facts to 100 - Using inverse to check answers to subtraction problems <ul style="list-style-type: none"> - Fact families - Solve real life problems using the four operations 	Investigations: <ul style="list-style-type: none"> - Represent & estimate numbers using a number line - Using known facts derive related facts to 100 <ul style="list-style-type: none"> - Using inverse to check answers - Scaling problems - Solve two step problems involving the four operations
Graphs (2 weeks)	Investigations: <ul style="list-style-type: none"> - Apply understanding of data handling to collect & represent information in range of ways. <ul style="list-style-type: none"> - Ask & answer questions about data collected. - Solve 1-step & 2-step problems based on the data collected. 	
Measures - Time (1 week)	Investigations: <ul style="list-style-type: none"> - Telling time accurately to 5 mins - Solving problems involving time duration <ul style="list-style-type: none"> - Comparing time durations 	Investigations: <ul style="list-style-type: none"> - Telling time accurately to 1 min - Solve problems involving time in am & pm <ul style="list-style-type: none"> - Compare time duration problems - Roman numerals
Shape (1 week)	Revisit properties of 2d & 3d shapes - reasoning & comparing problems	
Measures (1 week)	Revisit measuring volume & weight through whole class activities. Solve real life problems based on volume & weight.	