

Shipbourne School

Yearly Maths Plan

Years: 2/3



To be used with White Rose Maths 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 Yr3 – Numbers within 1000 Times Tables				Number: Multiplication and Division Times Tables			
Spring	Number: Multiplication and Division Year 2 - Money Times Tables			Measurement: Yr2 – Length and Height Yr3 – Length and Perimeter (Finish Money Yr2)			Fractions			Measurement: Yr2 – Mass, Capacity and Temperature Yr3 – Mass and Capacity		
Summer	Number: Yr3 – Fractions, Money and consolidation Yr2 – consolidation Times Tables				Measurement: Time Assessment			Statistics		Geometry: Yr2 – Position and Direction Yr3 – Properties of Shape		Consolidation

	Year 2	Year 3
Number & place value	<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	<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 Estimate & solve problems involving addition & subtraction Use inverse to find missing numbers and check answers Use formal written methods to add & subtract A range of mathematical investigations 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"> 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 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 A range of mathematical investigations 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>Multiplication and Division</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 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 A range of mathematical investigations 	<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 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 A range of mathematical investigations
<p>Multiplication and Division</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>Statistics</p>	<ul style="list-style-type: none"> interpret data from simple pictograms, tally charts, block diags & simple tables present data in simple tables, pictos, tally charts & block diags ask & answer questions about totalling & comparing categorical data 	<ul style="list-style-type: none"> interpret bar charts, pictos & tables present data in bar charts, pictos & tables 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

	<ul style="list-style-type: none"> 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"> Present data Ask & answer questions about data Solve problems involving data collected
<p>Geometry</p> <p>Yr2 - Shape</p> <p>Yr3 - Length and Perimeter</p>	<ul style="list-style-type: none"> Identify & describe 2d & 3d shapes Identify vertical lines of symmetry Solve simple problems involving shapes- comparing shapes 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"> Convert and use mm/cm/m Equivalent length Compare lengths Add and Subtract lengths Measure length & height and perimeter using appropriate scales Solve problems involving length/ height
<p>Number</p> <p>Yr2 - Fractions and Consolidation</p> <p>Yr3 - Fractions</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 Recognise simple & equivalent fractions 	<ul style="list-style-type: none"> recognise, find & write fractions of a set of objects, unit fractions with small denos Recognise simple & equivalent fractions Finding fractions of objects, quantity & length Compare & order fractions Solve problems involving fractions
<p>Yr3 Number Fractions</p>		<ul style="list-style-type: none"> recognise, find & write fractions of a set of objects, unit fractions with small denos Recognise simple & equivalent fractions Finding fractions of objects, quantity & length Compare & order fractions Solve problems involving fractions
<p>Yr2 Measure Length & Height</p>	<ul style="list-style-type: none"> Measure length & height using appropriate scales Solve problems involving length/ height 	
<p>Measurement - Time (& Roman numerals)</p>	<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 record time on an analogue clock in words 	<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 compare durations of events

<p>Geometry Yr2 - Position and Direction Yr3 - Properties of Shape</p>	<ul style="list-style-type: none"> • Describing movement • Describing turns • Describing movement and turns • Making patterns with shape 	<ul style="list-style-type: none"> • Describe 2 & 3d shapes • Identify right angles & describe turns • Mark given shapes on a grid • 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 • Solve problems involving shapes-comparing shapes
<p>Measurement Yr2 - Mass, Capacity and Temperature Yr3 - Mass and Capacity</p>	<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 	<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