

Math's Overview Year Two

	3 weeks	3 weeks	Half Term	3 weeks	3 Weeks
Autumn Term	Place Value to 100	Addition and Subtraction		Addition and Subtraction	2D/3D Shape
	3 Weeks	3 Weeks		3 Weeks	3 Weeks
Spring Term	Multiplication	Division		Fractions	Money
	3 Weeks	3 Weeks		3 Weeks	4 Weeks
Summer Term	Time (2 weeks) Statistics (1 week)	Measurement: Length and height Mass, Capacity and Temperature		Addition and Subtraction Review and Consolidate	Review and Consolidate

Autumn Term

3 weeks 4 Weeks Place Value to 100	3 Weeks Addition and Subtraction	3 Weeks Addition and Subtraction	3 Weeks 2D and 3D shape	
<p><u>National Curriculum Objectives:</u> 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) identify, represent and estimate numbers using different representations, including the number line compare and order numbers from 0 up to 100; use <, > and = signs read and write numbers to at least 100 in numerals and in words use place value and number facts to solve problems.</p> <p><u>Vocab:</u> tens, ones, ones, part whole, represent, recombine, compare, greater, less,</p> <p><u>Cross Curricular Links:</u> Let's Play theme. Measuring children's height on entry for wall display. Gathering information. Statistics—Graph to show favourite playground equipment Core Texts: 'One is a snail, Ten is a crab' by April Pulley Sayre & Jeff Sayre 'One is a</p>	<p><u>National Curriculum Objectives:</u> understand the relationship between addition and subtraction and to find related facts using known number bonds. recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p> <p><u>Vocab:</u> more, less, tens, ones, addition, add, plus subtraction, subtract, minus, greater than, less than, addition facts, compare, different, same, cross ten, exchange, calculation, digit, number bond, part whole, commutative</p> <p><u>Cross Curricular Links:</u> Let's Play theme. Naming 2D shapes when building swings. Which is the strongest shape? Getting to know each other Tally charts for favourite things. Core Texts: 'Helo - a book of kindness' by Hollis Kurman. Linking to refugees and black history month.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Half Term</p>	<p><u>National Curriculum Objectives:</u> 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 2-digit number and 1s, a 2-digit number and 10s, two 2-digit numbers and adding three 1-digit numbers compare and order numbers from 0 up to 100; use <, > and = signs</p> <p><u>Vocab:</u> more, less, tens, ones, addition, add, plus, subtraction, subtract, minus, greater than, less than, addition facts, compare, different, same, cross ten, exchange, calculation, digit, number bond, part whole, commutative</p> <p><u>Cross Curricular Links:</u> Let's Celebrate theme. Talk about time of lessons in particular o'clock and half past using visual timetable. Core Texts: Cuthbert the Croc goes on and on by Sally Lunt</p>	<p><u>National Curriculum Objectives:</u> 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 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]</p> <p><u>Vocab</u> 2D, 3D, faces, edges, sides, vertices, symmetry, symmetrical, pattern 2D - square, circle, rectangle, triangle, octagon, hexagon, pentagon 3D - cuboid, pyramid, sphere, cube, cone, triangular prism</p> <p><u>Cross Curricular Links:</u> Christmas cards and using shape. Repeated pattern in celebrations/decorations Core Texts: Circle sphere by Grace Lin. Could you lift up your bottom by Hee Jung Chang. The perfect fit by Naomi and James Jones (RSHE links)</p>

Spring Term

3 Weeks Multiplication	3 Weeks Division	3 Weeks Fractions	4 Weeks Money
<p><u>National Curriculum Objectives:</u></p> <p>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p> <p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</p> <p>Vocabulary: Equal groups, repeated addition, commutative- swap number around, groups of, times, _ groups of, _- times, lots of, multiplied by</p> <p>Cross Curricular Links: Long long ago theme</p> <p>Core Texts: Don't count your chickens by Simon Puttock. Mice, Twice by Joseph Low. Tens Times Better by Richard Michelson.</p>	<p><u>National Curriculum Objectives:</u></p> <p>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p> <p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p> <p>Vocabulary: haring, division, shared equally, equal groups, between, total group, equal amounts, divide, odd, even</p> <p>Cross Curricular Links: How are we different theme</p> <p>Core Texts: The Great Divide by Dale Ann Dodds. Bean Thirteen by Matthew McElliot</p>	<p><u>National Curriculum Objectives:</u></p> <p>Recognise, find, name and write fractions $\frac{1}{2}$ and $\frac{1}{4}$ of a length, shape, set of objects or quantity</p> <p>write simple fractions for example, $\frac{1}{2}$ of 6 = 3</p> <p>Vocabulary: fraction, equal, unequal, divide, half, halving, value, quarter, third, non-unit fraction, denominator, numerator, whole</p> <p>Cross Curricular Links: Our place in space theme</p> <p>Core Texts: Charlie Piechart and the case of the missing pizza slice by Eric Comstock.</p>	<p><u>National Curriculum Objectives:</u></p> <p>recognise and use symbols for pounds (£) and pence (p)</p> <p>combine amounts to make a particular value</p> <p>find different combinations of coins that equal the same amounts of money</p> <p>solve simple problems in practical context involving addition and subtraction of money; giving change</p> <p>Vocabulary: money, coins, notes, pounds, pence, value, equivalent value</p> <p>Cross Curricular Links: Once upon a time theme.</p> <p>Core Texts: Once upon a Dime by Nancy Kelly Allen. The Bark Part by Lori Haskins Houran.</p>

Half Term

Summer Term

2 Weeks Time 1 week Statistics	3 Weeks Measurement: Length and Height Mass, Capacity and Temperature Directional Language		4 weeks	3 weeks
<p><u>National Curriculum Objectives:</u> Tell and write the time in quarters, to the hour and past the hour and draw the hands on a clock face to show these times. To become fluent in telling time on analogue clocks and recording it.</p> <p style="color: #800000;">Vocabulary: time, clock, clock face, o'clock, half past, hour hand, minute hand, quarter to, quarter past, represent, minutes, hours, quarters, halves, measure</p> <p><u>National Curriculum Objectives:</u> 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.</p> <p style="color: #800000;">Vocabulary: pictograms, tally chart, block diagram, most popular, least popular, quantity, data, comparing</p> <p style="color: #008000;">Cross Curricular Links: Wild and Wonderful theme.</p> <p style="color: #000080;">Core Texts: Tally O'Malley by Stuart J Murphy. Peppers Journal by Stuart J Murphy. Peg and Cat the Lemonade problem by Jennifer Oxley.</p>	<p><u>National Curriculum Objectives:</u> 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</p> <p>Compare and order lengths, mass, volume/ capacity and record the results using >, < and =</p> <p style="color: #800000;">Vocabulary: centimeter, meter, estimate, trundler wheel, measurement, guess, greater than, less than, equal to</p> <p style="color: #008000;">Cross Curricular Links: Wild and Wonderful theme.</p> <p style="color: #000080;">Core Texts: Measuring Penny by Loreen Leedy (length and height) Equal Shmequal by Virginia Kroll (weight) The Pool Party by Marcie Aboff (temperature)</p> <p><u>National Curriculum Objectives:</u> order and arrange combinations of mathematical objects in patterns and sequences 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)</p>	Half Term	Review and Consolidate	Review and Consolidate