

## Swans Class Mathematics Spring Term Overview Year 2 stage

Multiplication and Division	Fractions
<ul style="list-style-type: none"><li>• Make equal groups</li><li>• Add equal groups</li><li>• Multiplication sentences using the x symbol</li><li>• Multiplication sentences from pictures</li><li>• Use arrays</li><li>• <b>Recap</b> Make doubles</li><li>• 2 times-table</li><li>• 5 times-table</li><li>• 10 times-table</li><li>• Make equal groups – sharing</li><li>• Make equal groups – grouping</li><li>• Divide by 2</li><li>• Odd and even numbers</li><li>• Divide by 5</li><li>• Divide by 10</li><li>• End of unit assessment</li></ul>	<ul style="list-style-type: none"><li>• Make equal parts</li><li>• Recognise a half</li><li>• Find a half</li><li>• Recognise a quarter</li><li>• Find a quarter</li><li>• Recognise a third</li><li>• Find a third</li><li>• Unit fractions</li><li>• Non-unit fractions</li><li>• Equivalence of a half and 2 quarters</li><li>• Find three quarters</li><li>• Count in fractions</li><li>• <b>New content</b> Problem solving with fractions</li><li>• <b>End of unit assessment</b></li></ul>

## Swans Class Mathematics Spring Term Overview Year 3 stage

Addition and Subtraction	Multiplication and Division
<ul style="list-style-type: none"><li>• Subtract a 2 digit from a 3 digit number crossing 100</li><li>• Add and subtract 100s</li><li>• Spot the pattern</li><li>• Mixed addition and subtraction problems</li><li>• Add 2 and 3 digit numbers not crossing 10 or 100</li><li>• Subtract a 2 digit from a 3 digit number not crossing 10 or 100</li><li>• Add and subtract 2-digit and 3-digit numbers - not crossing 10 or 100</li><li>• Add 2-digit and 3-digit numbers - crossing 10 or 100</li><li>• Subtract a 2-digit number from a 3-digit numbers - crossing 10 or 100</li><li>• Add two 3-digit numbers - not crossing 10 or 100</li><li>• Add two 3-digit numbers - crossing 10 or 100</li><li>• Subtract a 3-digit number from a 3-digit number - no exchange</li><li>• Subtract a 3-digit number from a 3-digit number – exchange</li><li>• Check answers</li><li>• End of unit assessment</li></ul>	<ul style="list-style-type: none"><li>• Multiplication - equal group</li><li>• <b>Recap</b> Multiplication using the symbol</li><li>• <b>Recap</b> Using arrays</li><li>• <b>Recap</b> Make equal groups – sharing</li><li>• <b>Recap</b> Make equal groups – grouping</li><li>• <b>Recap</b> Divide by 2</li><li>• <b>Recap</b> Divide by 5</li><li>• <b>Recap</b> Divide by 10</li><li>• Multiply by 3</li><li>• Divide by 3</li><li>• The 3 times-table</li><li>• Multiply by 4</li><li>• Divide by 4</li><li>• The 4 times-table</li><li>• Multiply by 8</li><li>• Divide by 8</li><li>• The 8 times-table</li></ul>

## Swans Class Mathematics Autumn Term Overview Year 4 stage

Addition and Subtraction	Multiplication and Division
<ul style="list-style-type: none"><li>• Subtract two 4 digit numbers no exchange</li><li>• Subtract two 4 digit numbers one exchange</li><li>• Subtract two 4 digit numbers more than one exchange</li><li>• Efficient subtraction</li><li>• Checking strategies</li></ul>	<ul style="list-style-type: none"><li>• Multiply by 10</li><li>• Multiply by 100</li><li>• Divide by 10</li><li>• Divide by 100</li><li>• Multiply by 1 and 0</li><li>• Divide by 1 and itself</li><li>• Multiply and divide by 6</li><li>• 6 times-table and division facts</li><li>• Multiply and divide by 9</li><li>• 9 times-table and division facts</li><li>• Multiply and divide by 7 **</li><li>• 7 times-table and division facts</li><li>• 11 and 12 times-table</li><li>• Multiply 3 numbers</li><li>• Factor pairs</li><li>• <b>Recap</b> Multiply 2-digits by 1-digit</li><li>• Multiply 2-digits by 1-digit</li><li>• Multiply 3-digits by 1-digit</li><li>• Divide 2-digits by 1-digit (1)</li><li>• Divide 2-digits by 1-digit (2)</li><li>• Divide 3-digits by 1-digit</li><li>• Correspondence problems</li><li>• End of block assessment</li></ul>

## Swans Class Mathematics Autumn Term Overview Year 5/6 stage

Addition and Subtraction Multiplication and Division	Fractions
<ul style="list-style-type: none"><li>• Multi-step addition and subtraction problems</li> <li>• Multiples</li><li>• Factors</li><li>• Common factors</li><li>• Prime numbers</li><li>• Square numbers</li><li>• Cube numbers</li><li>• Multiply by 10, 100 and 1,000</li><li>• Divide by 10, 100 and 1,000</li><li>• Multiples of 10, 100 and 1,000</li><li>• <b>Recap</b> Multiply 3-digits by 1-digit</li><li>• Multiply 4-digits by 1-digit</li><li>• Multiply 2-digits by 2-digits</li><li>• Multiply 3-digits by 2-digits</li><li>• Multiply 3-digits by 2-digits</li><li>• Multiply 4-digits by 2-digits</li><li>• <b>Recap</b> Divide 3-digits by 1-digit **</li><li>• Divide 4-digits by 1-digit</li><li>• Divide with remainders</li><li>• End of unit assessment</li></ul>	<ul style="list-style-type: none"><li>• <b>Recap</b> What is a fraction?</li><li>• <b>Recap</b> Equivalent fractions</li><li>• Equivalent fractions</li><li>• <b>Recap</b> Fractions greater than 1</li><li>• Improper fractions to mixed numbers</li><li>• Mixed numbers to improper fractions</li><li>• Number sequences</li><li>• Compare and order fractions less than 1 (first part of worksheet)</li><li>• Compare and order fractions less than 1 (second part of worksheet)</li><li>• Compare and order fractions greater than 1 (first part of worksheet)</li><li>• Compare and order fractions greater than 1 (second part of worksheet)</li><li>• Add and subtract fractions</li></ul>

## Swans Class Mathematics Autumn Term Overview Year 6

Place Value	Addition and Subtraction Multiplication and Division	Geometry
<ul style="list-style-type: none"><li>• Numbers to 10 million</li><li>• Compare and order any numbers</li><li>• Round any number</li><li>• Negative numbers</li></ul>	<ul style="list-style-type: none"><li>• Add and subtract integers</li><li>• Multiply up to a 4 digit number by a 2 digit number</li><li>• Short division</li><li>• Division using factors</li><li>• Long division</li><li>• Common factors</li><li>• Common multiples</li><li>• Primes to 100</li><li>• Squares and cubes</li><li>• Order of operations</li><li>• Mental calculations and estimations</li><li>• Reasons from know facts</li></ul>	<ul style="list-style-type: none"><li>• Identify Angles</li><li>• Compare and order angles</li><li>• Measuring angles in degrees</li><li>• Measuring with a protractor</li><li>• Drawing lines and angles accurately</li><li>• Calculating angles on a straight line</li><li>• Calculating angles around a point</li><li>• Triangles</li><li>• Quadrilaterals</li><li>• Calculating lengths and angles of shapes</li><li>• Regular and irregular polygons</li><li>• Reasoning about 3D shapes</li></ul>