

Swans Class Mathematics Autumn Term Overview Year 3

Place Value	Addition and Subtraction	Measurement	Geometry
<ul style="list-style-type: none"> • Hundreds • Numbers to 1,000 • 100s, 10s and 1s • Number line to 1,000 • Find 1, 10 and 100 more or less • Compare objects • Compare numbers • Order numbers • Count in 50s 	<ul style="list-style-type: none"> • Add and subtract multiples of 100 • Add and subtract 3 digit and 1 digit numbers not crossing 10 • Add 3 digit and 1 digit numbers crossing 10 • Subtract a 1 digit from a 3 digit number crossing 10 • Add and subtract 3 digit and 2 digit numbers not crossing 100 • Add 3 and 2 digit numbers crossing 100 • Subtract a 2 digit from a 3 digit number crossing 100 • Add and subtract 100s • Spot the pattern • Mixed addition and subtraction problems • Add 2 and 3 digit numbers not crossing 10 or 100 • Subtract a 2 digit from a 3 digit number not crossing 10 or 100 	<ul style="list-style-type: none"> • Measure length • Measure length (m) • Equivalent length (m and cm) 	<ul style="list-style-type: none"> • Turns and angles • Right angles in shapes • Compare angles • Draw accurately • Horizontal and vertical • Parallel and perpendicular • Recognise and describe 2D shapes • Recognise and describe 3D shapes • Make 3D shapes

Swans Class Mathematics Autumn Term Overview Year 4

Place Value	Addition and Subtraction	Measurement	Geometry
<ul style="list-style-type: none"> • Round to the nearest 10 • Round to the nearest 100 • Count in 1,000s • 1,000s, 100s, 10s and 1s • Partitioning • The number line to 10,000 • 1,000 more or less • Compare 4 digit numbers • Order numbers • Round to the nearest 1,000 • Count in 25s • Negative numbers • Roman numerals 	<ul style="list-style-type: none"> • Add and subtract 1s, 10s, 100s and 1,000s • Add two 4 digit numbers no exchange • Add two 4 digit numbers one exchange • Add two 4 digit numbers more than one exchange • Subtract two 4 digit numbers no exchange • Subtract two 4 digit numbers one exchange • Subtract two 4 digit numbers more than one exchange • Efficient subtraction 	<ul style="list-style-type: none"> • Measure length • Measure length (m) • Equivalent length (m and cm) 	<ul style="list-style-type: none"> • Turns and angles • Right angles in shapes • Compare angles • Draw accurately • Horizontal and vertical • Parallel and perpendicular • Recognise and describe 2D shapes • Recognise and describe 3D shapes • Make 3D shapes

Swans Class Mathematics Autumn Term Overview Year 5

Place Value	Addition and Subtraction Multiplication and Division	Geometry
<ul style="list-style-type: none">• Numbers to 10,000• Rounding to 10, 100 and 1,000• Numbers to 100,000• Compare and order numbers to 100,000• Round numbers within 100,000• Numbers to a million• Counting in 10s, 100s, 1,000s, 10,000s and 100,000s• Compare and order numbers to a million• Round numbers to a million• Negative numbers• Roman numerals	<ul style="list-style-type: none">• Add whole numbers with more than 4 digits (column method)• Subtract whole numbers with more than 4 digits (column method)• Round to estimate and approximate• Inverse operations (addition and subtraction)• Multi-step addition and subtraction problems • Multiples• Factors• Common factors• Prime numbers• Square numbers	<ul style="list-style-type: none">• Identify Angles• Compare and order angles• Measuring angles in degrees• Measuring with a protractor• Drawing lines and angles accurately• Calculating angles on a straight line• Calculating angles around a point• Triangles• Quadrilaterals• Calculating lengths and angles of shapes• Regular and irregular polygons• Reasoning about 3D shapes

Swans Class Mathematics Autumn Term Overview Year 6

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