# Term by Term Objectives

# Year 3

| Year Group | Y3 | Term | Summer |
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| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
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| Number: Fractions<br><br>Recognise and show, using diagrams, equivalent fractions with small denominators.<br><br>Add and subtract fractions with the same denominator within one whole.<br><br>Compare and order unit fractions, and fractions with the same denominators.<br><br>Solve problems that involve all of the above. | | | | Geometry: Property of Shapes<br><br>Recognise angles as a property of shape or a description of a turn.<br><br>Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.<br><br>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.<br><br>Draw 2-D shapes and make 3-D shapes using modelling materials.<br><br>Recognise 3-D shapes in different orientations and describe them. | | Measurement<br><br>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).<br><br>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.<br><br>Continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed units (for example, 1kg and 200g) and simple equivalents of mixed units (for example, 5m = 500cm). | | | Statistics<br><br>Interpret and present data using bar charts, pictograms and tables.<br><br>Solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts and pictograms and tables. | Consolidation |


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# Term by Term Objectives

# Year 4

| Year Group | Y4 | Term | Summer |
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| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
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| Measurement: Perimeter and Length<br>Convert between different units of measure eg kilometre to metre.<br><br>Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m | Geometry: Angles<br>Identify acute and obtuse angles and compare and order angles up to two right angles by size.<br><br>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. | Geometry: Shape and Symmetry<br>Identify lines of symmetry in 2D shapes presented in different orientations.<br><br>Complete a simple symmetric figure with respect to a specific line of symmetry. | | Geometry: Position and Direction<br>Describe positions on a 2D grid as coordinates in the first quadrant.<br><br>Describe movements between positions as translations of a given unit to the left/ right and up/ down.<br><br>Plot specified points and draw sides to complete a given polygon. | | Statistics<br>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.<br><br>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. | | Measurement: Area and Perimeter<br>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.<br><br>Convert between different units of measure [for example, kilometre to metre]<br><br>Find the area of rectilinear shapes by counting squares. | | | |


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# Term by Term Objectives

# Year 5

| Year Group | Y5 | Term | Summer |
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| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
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| Geometry: Angles<br>Know angles are measured in degrees; estimate and compare acute, obtuse and reflex angles.<br><br>Draw given angles and measure them in degrees (°).<br><br>Identify: angles at a point and one whole turn (total 360 °), angles at a point on a straight line and ½ a turn (total 180°) other multiples of 90°. | | Geometry: Shapes<br>Identify 3D shapes, including cubes and other cuboids, from 2D representations.<br><br>Use the properties of rectangles to deduce related facts and find missing lengths and angles.<br><br>Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. | | Geometry: Position and Direction<br>Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. | Measurement: Converting units<br>Convert between different units of metric measure (for example, km and m; cm and m; cm and mm; g and kg; l and ml).<br><br>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.<br><br>Solve problems involving converting between units of time. | | Number: Prime Numbers<br>Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.<br><br>Establish whether a number up to 100 is prime and recall prime numbers up to 19. | Perimeter and Area<br>Measure and calculate the perimeter of composite rectilinear shapes in cm and m.<br><br>Calculate and compare the area of rectangles (including squares), and including using standard units, $cm^2$, $m^2$ estimate the area of irregular shapes. | Measures: Volume<br>Estimate volume (for example using $1cm^3$ blocks to build cuboids (including cubes) and capacity (for example, using water)).<br><br>Use all four operations to solve problems involving measure. | | |


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# Term by Term Objectives

# Year 6

| Year Group | Y6 | Term | Summer |
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| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Geometry: Properties of Shapes<br><br>Draw 2D shapes using given dimensions and angles.<br><br>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.<br><br>Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. | | Geometry: Position and Direction<br><br>Describe positions on the full coordinate grid (all four quadrants).<br><br>Draw and translate simple shapes on the coordinate plane, and reflect them in the axes. | Post SATs Project Work | | | | | | | | |


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