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| **Number** | **Geometry and Measure** | **Algebra** |
| **Statistics** | **Probability** | **Ratio and Proportion** |

**CURRICULUM OVERVIEW 2025 – 2026 YEAR 7**

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| **YR 7** | **Autumn 1** | **Autumn 2** | **Spring 1** |
| **Content** | **Unit 1 Analysing and displaying data****Unit 2: Calculating** | **Unit 3: Expressions, functions and formulae****Unit 4: Graphs** | **Unit 5: Factors and multiples****Unit 6: Decimals and measures** |
| **Key new knowledge** | **Analysing & displaying data*** Find information from tables and pictograms.
* Find information from bar and bar-line charts.
* Display data using bar and bar-line charts.
* Organise data using a tally chart.
* Understand and use frequency tables.
* Understand and draw a grouped bar chart.
* Find the mode data.
* Find the modal class of a set of data.
* Find the range and median of a set of data.
* Compare sets of data using their range, mode and median.
* Calculate mean data.

**Calculating*** Add/sub numbers in different ways.
* Approximation/Estimate
* Recognise multiples.
* Recognise sq numbers.
* Find roots of square numbers on a calculator. Divide one number by another.
* Use times tables to help you divide.
* Solve simple ratio and proportion problems.
* Use simple negative numbers.

**Unit Test 1 and 2** | **Expressions, functions and formulae*** Find outputs of simple functions.
* Describe simple functions using words or symbols.
* Simplify expressions.
* Write expressions given a description in words.
* Substitute positive integers into simple formulae written in words.
* Substitute integers into simple formulae written in letter symbols.
* Write simple formulae using words and letter symbols.

**Graphs*** Read information from real-life graphs.
* Draw graphs to show change over time.
* Write the coordinates of points on a grid.
* Plot points from their coordinates.
* Plot graphs of simple functions.
* Read values from graphs.
* Draw line graphs to show relationships between quantities.
* Read values from science graphs.

**Unit Test 2 and 3** | **Factors and multiples*** Understand the priority of operations.
* Understand the rules of multiplication.
* Use the operation keys on a calculator.
* Recognise multiples of 2, 5, 10 and 25.
* Work out multiples.
* Multiply 3-digit numbers by a single digit.
* Round numbers to the nearest 100& 1000.
* Divide 3-digit numbers by a single digit.
* Can divide a number by 2, 5, 9 or 10.
* Begin to identify factors of numbers.
* Solve problems involving multi & division.
* Calculator to solve multi&division probs.
* Find factors of numbers. Identify primes
* Recognise & use multiples, factors& primes.
* Find common factors & common multiples.
* Work out the HCF & LCM of two numbers.
* Work out if a number is divisible by 3, 4 or 6.

**Decimals and measures*** Estimate, choose suitable units, to measure length, mass and capacity.
* Record estimates to a degree of acc.
* Understand, compare, order and use decimals for tenths and hundredths,
* Order metric measurements.
* Convert between different units.
* Add and subtract decimal numbers.
* Round decimals to nearest whole number and nearest tenth.
* Use a calculator and interpret the display in different contexts (decimals).
* Consolidate and extend mental calculation methods, including decimals.
* Use a calculator to solve word problems involving money.**Unit Test 5 and 6**
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| **Year 7** | **Spring 2** | **Summer 1** | **Summer 2** |
| **Content** | **Unit 7: Angles and lines****Consolidation** | **Unit 8: Measuring and shapes****Unit 9: Fractions, decimals and percentages** | **Unit 10: Transformations** |
| **Key new knowledge** | **Angles and lines*** Know a right angle is 90 degrees.
* Recognise quarter, half & three-quarter turns.
* Recognise parallel and perpendicular lines.
* Use compass points.
* Recognise acute and obtuse angles.
* Measure acute angles.
* Label lines and angles.
* Recognise acute, obtuse and reflex angles.
* Measure obtuse angles.
* Estimate the size of angles.
* Draw acute angles.
* Find missing angles on a straight line& point

**Unit Test 7** | **Measuring and shapes*** Identify triangles, squares and rectangles.
* Recognise the properties of triangles, squares and rectangles.
* Describe the line symmetry of triangles, quadrilaterals and other shapes.
* Solve problems using line symmetry.
* Describe rotational symmetry.
* Identify polygons.
* Understand the line and rotational symmetry of rotational polygons.
* Find the perimeter of squares, rectangles and regular polygons.
* Calculate the perimeter of shapes made from rectangles.
* Solve problems involving the perimeter of squares and rectangles.
* Use metric units to measure area.
* Calculate the area of squares and rectangles.

**Fractions, decimals and percentages*** Order fractions.
* Use fractions to describe parts of shapes.
* Identify equivalent fractions.
* Simplify fractions by cancelling.
* Change an improper fraction to a mixed number.
* Calculate simple fractions of quantities.
* Add and subtract simple fractions.
* Understand percentage as ‘the number of parts per 100’.
* Write a percentage as a fraction or decimal.
* Calculate percentages.

**Unit Test 8-9** | **Transformations*** Reflect a shape in a mirror line.
* Draw and describe rotations
* Identify congruent shapes.

**Unit Test 10**Consolidation |