



## Maths KS3

### Year 7 Topics covered

Autumn	Basic operations; priority of operations; inverse operations Perimeter and area of basic and composite polygons
Spring	Fractions as proportions; fractions as an amount Measuring angles; drawing triangles; angles in polygons
Summer	Writing and simplifying expressions; solving linear equations Fractions, percentages and decimals

### Year 8 Topics covered

Autumn	Directed number; indices; adding fractions; rounding to decimal places Area of trapeziums and circles; volume of prisms and cylinders
Spring	Prime decomposition; factors and multiples; proportional reasoning Angles on parallel lines and special quadrilaterals; constructions
Summer	Writing and simplifying expressions; solving linear equations; laws of indices; sequences Division by decimals and fractions; rounding to significant figures; estimating calculations

### Year 9 Topics covered

Autumn	Percentage change; proportional reasoning; growth and decay Similar shapes; enlargement; units of measurement; Pythagoras' theorem; arcs and sectors
Spring	Calculator methods, error intervals; negative powers; standard form Loci; bearings and scale drawings; constructions; tangent ratio
Summer	Sequences, expanding and factorising expressions, solving linear equations Systematic listing; two-way tables; frequency and probability trees; set theory

