

Year 9

The topics that are covered in Year 9 are detailed below. Individual classes by vary slightly from this, and exam dates are subject to change.

WC	Unit title	Topics covered
25-Aug	Understanding Number	Place value Negative numbers Rounding Estimation
01-Sep		
08-Sep	Working with Number - Operations and FDP	Four operations (+, -, x and ÷) with integers, decimals and fractions Order of operations Inverse operations Using a calculator
15-Sep		
22-Sep	Algebraic Notation and Manipulation	Algebraic notation Substitution Collecting like terms Expanding/factorising single and double brackets
29-Sep		
06-Oct	Angles	Angles at a point and on a straight line Parallel lines Angles in a triangle Angles in polygons Pythagoras' theorem Trigonometry
13-Oct		
27-Oct	Probability	Probability scale Probability of mutually exclusive events Sample space Venn diagrams
03-Nov		
10-Nov	Area, Volume and Perimeter	Perimeter Area Volume of prisms
17-Nov		
24-Nov	Sequences	Patterns Generate sequences Find rules for sequences
01-Dec	Graphs and Relationships	Co-ordinates Straight line graphs Quadratic graphs
08-Dec		
15-Dec	Time, Speed and Rates of Change	Convert between units Compound units
05-Jan	Proportion and Scale	Scale factors Maps Direct proportion
12-Jan	Transformations	Translation Rotation Reflection Enlargement
19-Jan		
26-Jan	Mid-Year exams	

02-Feb	Working with Number - FDP of amounts	Fractions and percentages of amounts Percentage increase/decrease Percentage change
09-Feb		
23-Feb	Ratio	Simplifying ratio Sharing in a ratio Multiplicative relationships
02-Mar	Drawing, Measures and Construction	Drawing lines Measuring angles Constructions
09-Mar	Solving Equations	Using formulae Real life graphs Solving linear equations Rearranging simple formulae
16-Mar		
23-Mar	Collecting and Processing	Surveys and questionnaires Averages and range Tables and charts
13-Apr		
20-Apr	Working with Number - Converting and equivalence	Converting between fractions, decimals and percentages Ordering fractions and decimals
27-Apr		
04-May	Processing and Representing	Frequency tables Bar charts, pie charts, pictograms
11-May		
18-May	Properties of number	Factors, multiples, primes Powers and roots Standard form
01-Jun	Properties of Shape	2D shapes 3D shapes Nets Elevations/Isometric drawing
08-Jun		
15-Jun	Excel project	Mathematical functions in Excel
21-Jun		
28-Jun	End of Year exams	
06-Jul	Review and target setting week	