

Year 7

The topics that are covered in Year 7 are detailed below. Individual classes by vary slightly from this, and exam dates are subject to change.

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

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