Mathematics Year 9 Long term plan 2020/2021

Autumn Term 1st Half		Autumn Term 2nd Half
Unit 1: Number	Unit 2: Algebra	Unit 3 Graphs, tables and charts
1.1 Calculations	2.1 Algebraic expressions	3.1 Frequency Tables
1.2 Decimal numbers	2.2 Simplifying expressions	3.2 Two-way tables
1.3 Place value	2.3 Substitution	3.3 Representing data
1.4 Factors and multiples	2.4 Formulae	3.4 Time series
1.5 Squares, cubes and roots	2.5 Expanding brackets	3.5 Stem and leaf diagrams
1.6 Index notation	2.6 Factorising	3.6 Pie charts
1.7 Prime factors	2.7 Using expressions and formulae	3.7 Scatter graphs
		3.8 Line of best fit

Spring Term 1st Half	Spring Term 2nd Half
Unit 4: Fractions and percentages	Unit 5: Equations, inequalities and sequences
4.1 Working with fractions	5.1 & 5.2 Solving equations
4.2 Operations with fractions	5.3 Solving equations with brackets
4.3 Multiplying fractions	5.4 Introducing inequalities
4.4 Dividing fractions	5.5 More inequalities
4.5 Fractions and decimals	5.6 Using formulae
4.6 Fractions and percentages	5.7 Generating sequences
4.7 & 4.8 Calculating percentages	5.8 Using the nth term of a sequence

Summer Term 1st Half		Summer Term 2nd Half
Unit 6: Angles 6.1 Properties of shapes 6.2 Angles in parallel lines 6.3 Angles in triangles 6.4 & 6.5 Exterior and interior angles 6.6 Geometrical problems	Unit 7: Averages and range 7.1 Mean and range 7.2 Mode, median and range 7.3 Types of average 7.4 Estimating the mean 7.5 Sampling	Unit 8: Perimeter, Area and Volume 1 8.1 Rectangles, parallelograms and triangles 8.2 Trapezia and changing units 8.3 Area of compound shapes 8.4 Surface area of 3D solids 8.5 Volume of prisms 8.6 More volume and surface area

Subject to COVID-19 restrictions and guidelines