

Y10 Curriculum

Foundation		
31 st August	Factors and Multiples	Prime numbers, factors (divisors), multiples, common factors, common multiples, highest common factor, lowest common multiple, prime factorisation
7 th September	Basic Number	Place value, positive and negative numbers, four operations, approximation and estimating
14 th September	Basic Algebra	Using symbols, algebraic notation, expanding a bracket, factorising an expression
21 st September	Angles	Types of angle, labelling conventions, apply properties of angles at a point, on a straight line and vertically opposite, understand and use properties of alternate and corresponding angles
28 th September	Scale Diagrams and Bearings	Measure and draw angles, use scale factors, use and interpret scale diagrams and maps including use of bearings
5 th October	Basic Fractions	Order fractions, use four operations with fractions and mixed numbers
12 th October	Basic Decimals	Order decimals, use four operations with decimals, convert between fractions and decimals
19 th October	Half Term	
26 st October	Coordinates and Linear Graphs	Using Coordinates, Plotting Straight Line Graphs, Gradient, $y=mx + c$
2 nd November	Rounding	Rounding, including to decimals places and significant figures
9 th November	Collecting and Representing Data	Draw and interpret frequency tables, bar charts, pie charts, pictograms, vertical line charts, and line graphs for time series data
16 th November		
23 rd November	Ratio and Proportion	Work with ratio notation, simplify ratios, divide an amount in a given ratio
30 th November	Equations	Substitute values into expressions and formulae, solve linear equations including with unknowns on both sides
7 th December		
14 th December	Exams and Reviewing	
21 st December	Christmas	
28 th December		
4 th January	Basic Percentages	Find percentages as amounts, express one amount as a percentage of another
11 th January	Properties of Polygons	Know and use properties of 2 plane shapes including types of triangle and quadrilateral, know and use angle sums of polygons

18 th January	Perimeter and Area	Properties of 3-D shapes, perimeter and area of 2-D shapes, surface area
25 th January		
1 st February	Circumference and Area	Parts of a circle, find area and circumference of a circle, surface area of cylinders, spheres and cones
8 th February		
15 th February	Half term	
22 nd February	Sequences	Generating terms of sequences, nth term rules of linear and simple quadratic sequences
28 th February	Indices	Powers and roots, calculate with indices, index laws
7 th March	Standard Form	Calculate with and interpret numbers in standard form
14 th March	Consolidation, Exams and Reviewing	
21 st March		
28 th March	Easter	
4 th April		
11 th April	Real Life Graphs	Interpret graphs, use graphs to solve problems, gradient and rates of change
18 th April	Basic Probability	Calculating theoretical probability, equally likely outcomes, listing outcomes, record and analyse probability experiments.
25 th April	Transformations	Rotation, reflection, translation, enlargement
2 nd May		
9 th May	Congruence and Similarity	Congruence criteria for triangles, lengths in similar shapes
16 th May	2D Representations of 3D Shapes	Plans and elevations
23 rd May	Calculating With Percentages	Percentage change, reverse percentages, simple interest
30 th May	Half term	
6 th June	Measures	Units of mass, length, time and money, convert between units, compound units
13 th June	Statistical Measures	Analyse and describe data sets using averages and range, sampling
20 th June		
27 th June	Constructions and Loci	Standard ruler and compass constructions, solve problems involving loci
4 th July	Exams and Reviewing	
11 th July		

	Higher	
31 st August	Basic Number, Factors and Multiples	Prime numbers, factors (divisors), multiples, common factors, common multiples, highest common factor, lowest common multiple, prime factorisation Place value, positive and negative numbers, four operations, approximation and estimating
7 th September		
14 th September	Basic Algebra review	Using symbols, algebraic notation, expanding a bracket, factorising an expression
21 st September	Angles, scale diagrams and bearings	Types of angle, labelling conventions, apply properties of angles at a point, on a straight line and vertically opposite, understand and use properties of alternate and corresponding angles Measure and draw angles, use scale factors, use and interpret scale diagrams and maps including use of bearings
28 th September		
5 th October	Fractions and Decimals	Order fractions, use four operations with fractions and mixed numbers Order decimals, use four operations with decimals, convert between fractions and decimals
12 th October		
19 th October	Half Term	
26 st October	Coordinates and Linear Graphs	Using Coordinates, Plotting Straight Line Graphs, Gradient, $y=mx + c$, parallel and perpendicular lines
2 nd November	Rounding	Rounding, including to decimals places and significant figures, upper and lower bounds
9 th November	Collecting and Representing Data	Draw and interpret frequency tables, bar charts, pie charts, pictograms, vertical line charts, and line graphs for time series data, cumulative frequency diagrams, box plots and histograms
16 th November		
23 rd November	Ratio and Proportion	Work with ratio notation, simplify ratios, divide an amount in a given ratio
30 th November	Sequences	Generating terms of sequences, nth term rules of linear and quadratic sequences
7 th December	Equations	Substitute values into expressions and formulae, solve linear equations including with unknowns on both sides

14 th December	Exams and Reviewing	
21 st December	Christmas	
28 th December		
4 th January	Basic Percentages	Find percentages as amounts, express one amount as a percentage of another
11 th January	Properties of Polygons	Know and use properties of 2 plane shapes including types of triangle and quadrilateral, know and use angle sums of polygons
18 th January	Perimeter and Area	Properties of 3-D shapes, perimeter and area of 2-D shapes, surface area
25 th January		
1 st February	Circumference and Area	Parts of a circle, find area and circumference of a circle, surface area of cylinders, spheres and cones
8 th February		
15 th February	Half Term	
22 nd February	Indices	Powers and roots, calculate with integer and fractional indices, index laws
28 th February	Standard Form	Calculate with and interpret numbers in standard form
7 th March	Surds	Calculate with and simplify surds
14 th March	Consolidation, Exams and Reviewing	
21 st March		
28 th March	Easter	
4 th April		
11 th April	Real life Graphs	Interpret graphs, including exponential functions, use graphs to solve problems, gradient and rates of change
18 th April	Basic Probability	Calculating theoretical probability, equally likely outcomes, listing outcomes, record and analyse probability experiments.
25 th April	Transformations	Rotation, reflection, translation, enlargement including fractional and negative scale factors, combinations of transformations
2 nd May		
9 th May	Congruence and Similarity	Congruence criteria for triangles, lengths, areas and volumes in similar shapes
16 th May	2D Representations of 3D Shapes	Plans and elevations
23 rd May	Calculating With Percentages	Percentage change, reverse percentages, simple interest
30 th May	Half Term	
6 th June	Measures	Units of mass, length, time and money, convert between units, compound units

13 th June	Statistical Measures	Analyse and describe data sets using averages and range, quartiles and interquartile range, sampling
20 th June		
27 th June	Constructions and Loci	Standard ruler and compass constructions, solve problems involving loci
4 th July	Exams and Reviewing	
11 th July		