

Year 7 (2019/20)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Sequences	Place value and ordering integers and decimals	Solving problems with addition and subtraction	Four operations with directed numbers	Constructing, measuring and using geometric notation	Developing geometric reasoning cont.
Week 2						Developing number sense
Week 3	Understanding and using algebraic notation	Fraction, decimal and percentage equivalence	Solving problems with multiplication and division	Addition and subtraction of fractions	Developing geometric reasoning	Sets and probability
Week 4						
Week 5						
Week 6	Equality and equivalence					Prime numbers and proof
Week 7						
Week 8						

Year 8 (2019/20)

	Pi (support)	Theta (core)	Delta (extension)
Autumn 1	1 Number properties and calculations 2 Shapes and measures in 3D	1 Number 2 Area and volume	1 Factors and powers 2 Working with powers
Autumn 2	3 Statistics 4 Expressions and equations	3 Statistics, graphs and charts 4 Expressions and equations	3 2D shapes and 3D solids 4 Real-life graphs
Spring 1	5 Decimal calculations 6 Angles	5 Real-life graphs 6 Decimals and ratio	5 Transformations 6 Fractions, decimals and percentages
Spring 2	7 Number properties	7 Lines and angles	7 Constructions and loci
Summer 1	8 Sequences 9 Fractions and percentages	8 Calculating with fractions 9 Straight-line graphs	8 Probability 9 Scale drawings and measures
Summer 2	10 Probability	10 Percentages, decimals and fractions	10 Graphs

Year 9 (2019/20)

	Pi (support)	Theta (core)	Delta (extension)
Autumn 1	1 Number calculations 2 Sequences and equations	1 Indices and standard form 2 Expressions and formulae	1 Powers and roots 2 Quadratics
Autumn 2	3 Statistics 4 Fractions, decimals and percentages	3 Dealing with data 4 Multiplicative reasoning	3 Inequalities, equations and formulae 4 Collecting and analysing data
Spring 1	5 Geometry in 2D and 3D 6 Algebraic and real-life graphs	5 Constructions 6 Equations, inequalities and proportionality	5 Multiplicative reasoning 6 Non-linear graphs
Spring 2	7 Multiplicative reasoning	7 Circles, Pythagoras and prisms	7 Accuracy and measures
Summer 1	8 Algebraic and geometric formulae 9 Probability	8 Sequences and graphs 9 Probability	8 Graphical solutions 9 Trigonometry
Summer 2	10 Polygons and transformations	10 Comparing shapes	10 Mathematical reasoning

Year 10 and 11 (2019/20)

	Foundation	Higher
Y10 Autumn 1	Unit 1a-b Number, powers, decimals Unit 1c-d HCF and LCM, roots and rounding Unit 2 Expressions, substituting into simple formulae, expanding and factorising Unit 3 Drawing and interpreting graphs, tables and charts	Unit 1 Powers, decimals, HCF and LCM, positive and negative, roots, rounding, reciprocals, standard form, indices and surds Unit 2 Expressions, substituting into simple formulae, expanding and factorising, equations, sequences and inequalities, simple proof
Y10 Autumn 2	Unit 4 Fractions and percentages Unit 5a Equations and inequalities Unit 5b Sequences	Unit 3 Averages and range, collecting data, representing data Unit 4 Fractions, percentages, ratio and proportion
Y10 Spring 1	Unit 6 Angles, polygons and parallel lines Unit 7 Averages and range, sampling, collecting data, analysing data	Unit 5a Angles, polygons, parallel lines; Unit 5b Right-angled triangles: Pythagoras and trigonometry Unit 6ab Real-life and algebraic linear graphs, plus rates of change and area under graphs made from straight lines
Y10 Spring 2	Unit 8 Perimeter, area and volume I Unit 9 Real-life and algebraic linear graphs	Unit 6c quadratic and cubic graphs, the equation of a circle Unit 7 Perimeter, area and volume, plane shapes and prisms, circles, cylinders, spheres, cones; Accuracy and bounds Unit 8 Transformations; Constructions: triangles, nets, plan and elevation, loci, scale drawings and bearings
Y10 Summer 1	Unit 10 Transformations Unit 11 Ratio and proportion	Unit 9 Algebra: solving quadratic equations and inequalities, solving simultaneous equations algebraically Unit 10 Probability
Y10 Summer 2	Unit 12 Right-angled triangles: Pythagoras and trigonometry Unit 13 Probability Unit 14 Multiplicative reasoning: more percentages, rates of change, compound measures	Unit 11 Multiplicative reasoning: direct and inverse proportion, compound measures, repeated proportional change Unit 12 Similarity and congruence in 2D and 3D
Y11 Autumn 1	Unit 15 Constructions: triangles, nets, plan and elevation, loci, scale drawings and bearings Unit 16 Algebra: quadratic equations and graphs	Unit 13 Sine and cosine rules, $\sin C$, trigonometry and Pythagoras' Theorem in 3D, trigonometric graphs, and accuracy and bounds Unit 14 Statistics and sampling, cumulative frequency and histograms
Y11 Autumn 2	Unit 17 Perimeter, area and volume 2: circles, cylinders, cones and spheres Unit 18 More fractions, reciprocals, standard form, zero and negative indices	Unit 15 Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics Unit 16 Circle theorems and circle geometry
Y11 Spring 1	Unit 19 Congruence, similarity and vectors Unit 20 Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations	Unit 17 Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof Unit 18 Vectors and geometric proof Unit 19 Direct and indirect proportion: using statements of proportionality, reciprocal and exponential graphs, rates of change in graphs, functions, transformations of graphs
Y11 Spring 2	Revision, Exam paper practice and Exams	
Y11 Summer 1		