KEY STAGE 4 Year 10 CURRICULUM OVERVIEW 2026-2027

Number	Geometry and Measure	Algebra
Statistics	Probability	Ratio and Proportion

YR10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Content	NUMBER Unit 1 Calculations 1 NUMBER Unit 5 Fractions Percentages & decimal	NUMBER Unit 13 Factors, Powers & Roots STATISTICS Unit 4 Handling Data 1	RATIO AND PROPORTION Unit 12 Ratio & Proportion GEOMETRY Unit 3 Angles & polygons	PROBABILITY Unit 8 Probability ALGEBRA Unit 14 Graphs 1	ALGEBRA Unit 2 Expressions ALGEBRA Unit 10 Equalities & Inequalities	GEOMETRY Unit 7 Working in 2D Functional Skills preparation
Key new knowledge	**Calculations:** Place value with decimals Order positive and negative numbers and decimals Rounding and significant figures. Calculations with positive and negative numbers. BIDMAS **Fractions, Decimals and Percentages:** Convert between Fractions and decimals. Compare decimals and fractions Find Fractions and decimals of an amount Calculate simple fractions and mixed numbers Covert between Fractions/ decimals and percentages.	**Factors, powers and roots** Using mathematical language Use Venn diagrams and factor trees to list prime factors. Use prime factor decomposition HCF/LCM Using product notion Calculate integers powers and roots. Recognise powers of 2,3,4,5 **Handling Data 1:** Construct and interpret Frequency tables Two way tables Pictograms Bar line graphs Bar charts Pie Charts Compare distributions using mean, median, mode and range.	**Ratio and Proportion:** Use Fractions and percentages to describe a proportion Write a ratio in its simplest form Use scale factors/diagrams and maps Sole problems involving % change **Unit 3 Angles** Describe properties of angles at a point Sum of angles in triangles Properties of specialist quadrilaterals. Solve geometrical problems on quadratic axis Congruency and similarity. Interior and exterior angles	**Probability:** Experimental data to estimate probability and frequencies Compare Theoretical probability Mutually exclusive events of probability **Graphs 1** Work with all 4 quadrants in a graph Plot straight line graphs Gradients and intercepts Y= mx+c Using gradients to find equations of lines. Interpret gradients of straight graphs Rate of change Distance/Speed and Acceleration graphs.	**Expressions:** Algebraic notation Number and formula and expressions Understand the language of Expressions/ equations/ forms and factors Like terms and simplify equations (surds/factors/roots/products) Laws of indices Common factors and expressions **Equations and Inequalities**: Simple linear equations Quadratic equations Linear equations and variable Approximate solutions for equations	**Working in 2D:** Line segments and angles Standards units for lengths and areas. Bearings Interpret maps and scale drawings Formula to calculate parallelogram, trapezium and triangle. Construct reflections/ rotations/ translations and enlargements.
Assessments	End of topic review unit 1 & unit 5	End of topic review unit 13 & unit 4	End of topic review unit 12 & unit 3	End of topic review unit 8 & unit 14	End of topic review unit 2 & unit 10	End of topic unit 7 Functional skills 1 revision & test

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Number	Geometry and Measure	Algebra
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YR11	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	NUMBER Unit 9 Measures & Accuracy GEOMETRY UniT 15 Working in 3D GEOMETRY Unit 19 Pythagoras	GEOMETRY Unit 11 Circles & ConStruction STATISTICS Unit 16 Handling Data 2 NUMBER Calculations 2	ALGEBRA Unit 6 Formulae & functions ALGEBRA Unit 21 Sequences PROBABILITY Unit 20 Probability of combined eventS REVISION Retrieval topics Unit 1 calculations Unit 5 Fractions decimals & percentages Unit 13 Factors powers and roots Unit 4 Handling data	REVISION Retrieval topics Unit 12 Ratio & Proportion Unit 3 Angles & Polygons Unit 14 Graphs 1 Unit 7 – Working in 2d Exam preparation/Revision	Exam preparation/Revision	

	Measures and accuracy: Rounding to an appropriate degree of accuracy Use approximation to make estimates Use standard units of length, mass, volume, capacity, time and area Use inequality stating errors in intervals and accuracy. Working in 3D: Identifying vertices, faces and edges 3D Shapes Volumes of cuboid, cylinders and other prisms Calculating surface area and volume Pythagoras: Use the formulae of Pythagoras $a^2 + b^2 = c^2$	Circles & construction: Apply circle definitions, properties and formulae Construct triangles Compass constructions Handling data 2: Construct tables, charts and graphs Use mean, median and modal to compare distributions Midpoint x frequency for estimated mean Scatter graphs best fit Line graphs for time series data Calculations 2: Calculate with roots, indices fractions and multiples of π	Formulae & functions: Substitute numerical value into formulae Rearrange formulae to change subject Sequences: Find terms of linear sequences using term to term Probability of combined events: Use Venn diagrams to calculate probabilities of events Use tree diagrams to show frequencies Retrieval on following topics: Unit 1 Calculations Unit 5 Fractions decimals & percentages Unit 13 Factors powers and roots & Unit 4 Handling data	Retrieval on following topics: Unit 12 Ratio & Proportion Unit 3 Angles & Polygons Unit 14 Graphs 1 Unit 7 Working in 2d Exam preparation & Revision:	Exam preparation & Revision	
Assessment	End of topic review unit 9, unit 15 & unit 19	End of topic review unit 11, unit 16 & unit 17	End of topic review & Maths genie exams on unit 6, unit 21 & unit 20	Past papers/Exams	Past papers/Exams	