

BRIT Maths Scheme of Work 2025/2026

The Maths department has created its two-year scheme of work based on Edexcel's own two-year plan. In our adaptation, we have focused the structure on a foundation of numeracy and fluency skills that will encourage usage of content learned early on throughout a pupil's two years at BRIT. Students should expect to see a common theme that connects various topics together as they work through the curriculum and draw links between concepts and ideas to tackle more complex problems.

Curriculum at a Glance

The table below gives a quick look at the structure and flow of the scheme of work. Students working at the Higher tier will be expected to learn all content at the Foundation level. Any area where there is either an emphasis on Higher tier content or is exclusive to Higher is denoted by **coloured text**.

	Content	
Y10	Number • Integers and place value • Calculations, checking and rounding • Accuracy and bounds • Fractions, decimals and percentages • Indices, powers, roots, reciprocals and standard form • Factors, multiples, primes, and surds • Rationalising surds • Ratio and proportion • Multiplicative reasoning • Direct and inverse proportion (Foundation)	Term 1 (September to October break)
Y10	Algebra • Algebra: the basics • Setting up, rearranging and solving equations • Expressions and substitution into formulae	Term 2 (October to December break)

	- Sequences - Equations and inequalities - Direct and inverse proportion (Higher) - Straight-line graphs and coordinate geometry, linear equations - Real-life graphs - Gradient and area under graphs	
Y10	Algebra - Quadratic equations: expanding and factorising, quadratic graphs - Solving quadratic equations and simultaneous equations - Quadratic simultaneous equations and graphs/equations of circles, complex quadratics (including expanding three or more brackets) - Cubic, reciprocal, and exponential graphs - Algebraic fractions - Algebraic proofs	Term 3 (January to March break)
Y10	Geometry - Right-angled triangles: Pythagoras and trigonometry (SOHCAHTOA) - Exact trig values - Further trigonometry (sine and cosine rule, area of a triangle) - Graphs of trigonometric functions - Properties of shapes, parallel lines and angle facts - Interior and exterior angles of polygons - Constructions, loci and bearings	Term 4 (March to May break)
Y10	Geometry - Perimeter, area and volume - Circles, cylinders, cones, spheres, and frustums - Plans and elevations - Similarity and congruence in 2D/3D - Circle theorems and circle geometry	Term 5 (June to July break)

	• Vectors and vector proofs • Transformations	
Y11	Statistics • Tables, charts and graphs • Statistics, sampling and the averages • Collecting data • Cumulative frequency, box plots and histograms	Term 1 (September to October break)
Y11	Probability • Listing strategies including product rule for counting • Frequency and probability trees • Probability with the use of tables, grids, and Venn diagrams • Theoretical and experiment probability, expected frequencies • Independent, dependent, and mutually exclusive events/probabilities • Conditional probability	Term 2 (October to December break)
Y11	Exam Techniques and Revision	Term 3 (January to March break)
Y11	Exam Techniques and Revision - Exam Season Begins Thursday 14 May, 9am: Paper 1 (Foundation and Higher) Non-Calculator	Term 4 (March to May break)
Y11	Exam Season Wednesday 03 June, 9am: Paper 2 (Foundation and Higher) Calculator Wednesday 10 June, 9am: Paper 3 (Foundation and Higher) Calculator	Term 5 (June to July break)

This is an expected schedule to allow parents and students to plan their time at home accordingly. The department may modify the teaching sequence based on student need.