Remote Curriculum

Year 11 Maths: Higher

How it Works:

1. Find the correct week commencing row.
2. Find today`s day - There are up to 2/3 different lessons in each day and GCSE Examination Resources – you won't run out of work.
3. Choose a lesson – hold ctrl and click the chosen link.
    a. If you don't recognise the work, it appears too difficult or the link doesn't load;
        i. Try another task – look at the previous/next lesson or look at other days.
4. Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz (LSQ)
5. Complete any starter quizzes.
    a. Write your answer down
    b. Mark your answers and write down any corrections
6. Watch the videos and take notes.
7. Pause if/when instructed to do so to answer questions or respond.
8. Complete and go onto the next one.

Week Commencing	Week	Day	Topic	Lesson 1 **Hold ctrl and click**	Lesson 2 **Hold ctrl and click**
5/1/2026	B	All Week	Circle Theorems	Checking and securing understanding of the parts of a circle	The angle at the centre of the circle is twice the angle at any point on the circumference
				The angle at the centre of the circle is twice the angle at any point on the circumference	The angle in a semicircle is a right angle
				The angle in a semicircle is a right angle	The perpendicular from the centre of a circle to a chord bisects the chord
12/1/2026	A	Monday		The perpendicular from the centre of a circle to a chord bisects the chord	The tangent at any point on a circle is perpendicular to the radius at that point
		Tuesday		The tangent at any point on a circle is perpendicular to the radius at that point	The angles in the same segment are equal
		Wednesday		The angles in the same segment are equal	The alternate segment theorem
		Thursday		The alternate segment theorem	The opposite angles of a cyclic quadrilateral sum to 180°
		Friday		The opposite angles of a cyclic quadrilateral sum to 180°	The tangents from an external point are equal in length
19/1/2026	B	Monday		The tangents from an external point are equal in length	Identifying which circle theorem to use
		Tuesday		Identifying which circle theorem to use	Problem solving with circle theorems
		Wednesday	Algebraic Fractions	Checking and securing understanding of solving with simple algebraic fractions	Simplifying algebraic fractions
		Thursday		Simplifying algebraic fractions	Operations with algebraic fractions

		Friday		Operations with algebraic fractions	Solving equations with algebraic fractions

26/1/2026	A	Monday	Algebraic Fractions	Solving equations with algebraic fractions	Checking and securing understanding of changing the subject with simple algebraic fractions
		Tuesday		Checking and securing understanding of changing the subject with simple algebraic fractions	Changing the subject with multiple algebraic fractions
		Wednesday		Changing the subject with multiple algebraic fractions	Changing the subject where the variable appears in multiple terms
		Thursday		Changing the subject where the variable appears in multiple terms	Problem solving with advanced algebraic fractions
		Friday		Operations with algebraic fractions	Solving equations with algebraic fractions
2/2/2026	B	Monday	Functions and Proof	Checking and securing understanding of functions	Defining function notation
		Tuesday		Defining function notation	Finding the inverse of a function
		Wednesday		Finding the inverse of a function	Writing composite functions
		Thursday		Writing composite functions	Solving equations involving functions
		Friday		Solving equations involving functions	Solving equations involving composite functions
9/2/2026	A	Monday		Solving equations involving composite functions	General algebraic forms for specific number properties
		Tuesday		General algebraic forms for specific number properties	Making conjectures about patterns and relationships
		Wednesday		Making conjectures about patterns and relationships	Proving or disproving a statement
		Thursday		Proving or disproving a statement	Writing a generalised statement about specific number properties
		Friday		Writing a generalised statement about specific number properties	Writing a proof
23/2/2026	B	All Week		Writing a proof	Logical arguments
				Logical arguments	Multiple approaches to logical arguments
				Multiple approaches to logical arguments	Problem solving with functions and proof
			Vectors	Checking and securing understanding of translations	Column vectors
2/3/2026	A	Monday		Column vectors	Parallel vectors
		Tuesday		Parallel vectors	Addition with vectors
		Wednesday		Addition with vectors	Subtraction with vectors
		Thursday		Subtraction with vectors	Multiplication with vectors
		Friday		Multiplication with vectors	Fluency in arithmetic procedures with vectors
9/3/2026	B	Monday		Fluency in arithmetic procedures with vectors	Algebraic vector notation
		Tuesday		Algebraic vector notation	Parallel vectors in algebraic vector notation
		Wednesday		Parallel vectors in algebraic vector notation	The sum and difference with algebraic vector notation
		Thursday		The sum and difference with algebraic vector notation	Fluency in arithmetic procedures with algebraic vector notation
		Friday		Fluency in arithmetic procedures with algebraic vector notation	Calculating the magnitude of a vector

16/3/2026	A	Monday		Calculating the magnitude of a vector	Dividing vectors into ratios
		Tuesday		Dividing vectors into ratios	Geometric proofs with vectors
		Wednesday		Geometric proofs with vectors	Advanced problem solving with vectors
		Thursday	Real-life Graphs	Checking and securing understanding of reading from context-based graphs	Checking and securing understanding of drawing distance-time graphs
		Friday		Checking and securing understanding of drawing distance-time graphs	Distance-time graphs
23/3/2026	B	Monday		Distance-time graphs	Speed-time graphs
		Tuesday		Speed-time graphs	Non-linear distance-time graphs
		Wednesday		Non-linear distance-time graphs	Interpreting and drawing real-life graphs
		Thursday		Interpreting and drawing real-life graphs	Interpreting and drawing more real-life graphs
		Friday		Interpreting and drawing more real-life graphs	Calculating the rate of change

30/3/2026	A	All Week		Calculating the rate of change	Estimating the gradient of a curve
				Estimating the gradient of a curve	Improving the estimate of the gradient of a curve
				Improving the estimate of the gradient of a curve	Finding the equation of a radius of a circle
				Finding the equation of a radius of a circle	Finding the equation of the tangent to a circle