

Remote Curriculum

Year 11 Maths Higher

How it Works:

1. Find the correct week commencing row.
2. Find today's day - There are 2 different lessons in each day – you won't run out of work.
3. Choose a lesson – hold ctrl and click the chosen link.

If you don't recognise the work, it appears too difficult or the link doesn't load;

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
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.



Ivybridge
COMMUNITY COLLEGE

Week Commencing	Week	Lesson	Title	Lesson 1 Hold ctrl and click	Lesson 2 Hold ctrl and click
7/09/26	A	Monday	Vectors	Checking and securing understanding of translations	Column vectors
		Tuesday		Column vectors	Parallel vectors
		Wednesday		Parallel vectors	Addition with vectors
		Thursday		Addition with vectors	Subtraction with vectors
		Friday		Subtraction with vectors	Multiplication with vectors
14/09/26	B	Monday		Multiplication with vectors	Fluency in arithmetic procedures with vectors
		Tuesday		Fluency in arithmetic procedures with vectors	Algebraic vector notation
		Wednesday		Algebraic vector notation	Parallel vectors in algebraic vector notation
		Thursday		Parallel vectors in algebraic vector notation	The sum and difference with algebraic vector notation
		Friday		The sum and difference with algebraic vector notation	Fluency in arithmetic procedures with algebraic vector notation

21/09/26	A	Monday		Fluency in arithmetic procedures with algebraic vector notation	Calculating the magnitude of a vector
		Tuesday		Calculating the magnitude of a vector	Dividing vectors into ratios
		Wednesday		Dividing vectors into ratios	Geometric proofs with vectors
		Thursday		Geometric proofs with vectors	Advanced problem solving with vectors
		Friday		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
28/09/26	B	Monday	Circle Theorems	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
		Tuesday		The angle in a semicircle is a right angle	The perpendicular from the centre of a circle to a chord bisects the chord
		Wednesday		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
		Thursday		The tangent at any point on a circle is perpendicular to the radius at that point	The angles in the same segment are equal
		Friday		The angles in the same segment are equal	The alternate segment theorem
05/10/26	A	Monday		The alternate segment theorem	The opposite angles of a cyclic quadrilateral sum to 180°
		Tuesday		The opposite angles of a cyclic quadrilateral sum to 180°	The tangents from an external point are equal in length
		Wednesday		The tangents from an external point are equal in length	Identifying which circle theorem to use
		Thursday		Identifying which circle theorem to use	Problem solving with circle theorems
		Friday		Expand 2 brackets and simplify expressions (Part 2)	Expand and simplify double brackets
12/10/26	B	Monday	Compound Measure	Compound measures for speed	Compound measures for density
		Tuesday		Compound measures for density	Compound measures for pressure
		Wednesday		Compound measures for pressure	Converting between metric speed measures
		Thursday		Converting between metric speed measures	Checking and securing understanding of percentage decrease
		Friday		Checking and securing understanding of percentage decrease	Percentage profit and loss
19/10/26	A	Monday		Percentage profit and loss	Simple and compound interest

		Tuesday		Simple and compound interest	Simple interest calculations with technology	
		Wednesday		Simple interest calculations with technology	Compound interest calculations	
		Thursday		Compound interest calculations	Checking and further securing understanding of direct proportion in context	
		Friday		Compound measures for speed	Compound measures for density	
02/11/26	B	Monday	Real Life Graphs	Checking and securing understanding of reading from context-based graphs	Checking and securing understanding of drawing distance-time graphs	
		Tuesday		Checking and securing understanding of drawing distance-time graphs	Distance-time graphs	
		Wednesday		Distance-time graphs	Speed-time graphs	
		Thursday		Speed-time graphs	Non-linear distance-time graphs	
		Friday		Non-linear distance-time graphs	Interpreting and drawing real-life graphs	
09/11/26	A	Monday		Interpreting and drawing real-life graphs	Interpreting and drawing more real-life graphs	
		Tuesday		Interpreting and drawing more real-life graphs	Calculating the rate of change	
		Wednesday		Algebra Recap	Further algebraic terminology	Checking and securing understanding of factorising
		Thursday			Checking and securing understanding of factorising	Checking and securing understanding of forming linear equations
		Friday			Checking and securing understanding of forming linear equations	Checking and securing understanding of solving and interpreting linear equations
16/11/26	B	Monday	Algebra Recap	Checking and securing understanding of solving and interpreting linear equations	Checking and securing understanding of changing the subject	
		Tuesday		Checking and securing understanding of changing the subject	Checking and securing understanding of the product of two binomials	
		Wednesday		Checking and securing understanding of the product of two binomials	The product of three binomials	
		Thursday		The product of three binomials	Factorising a quadratic expression	
		Friday		Factorising a quadratic expression	Factorising using the difference of two squares	

23/11/26	A	Monday		Factorising using the difference of two squares	Factorising quadratics of the form $ax^2 + bx + c$
		Tuesday		Factorising quadratics of the form $ax^2 + bx + c$	Solving quadratic equations by factorising
		Wednesday		Solving quadratic equations by factorising	Solving quadratic equations by factorising where rearrangement is required
		Thursday		Solving quadratic equations by factorising where rearrangement is required	Solving quadratic equations by completing the square
		Friday		Solving quadratic equations by completing the square	Solving complex quadratic equations by completing the square
30/11/26	B	Monday	3D Shape Recap	Solving complex quadratic equations by completing the square	Solving quadratic equations by using the formula
		Tuesday		Checking and securing understanding of nets of solids	Checking and securing understanding of volume of prisms
		Wednesday		Checking and securing understanding of volume of prisms	Checking and securing understanding of surface area of cuboids
		Thursday		Checking and securing understanding of surface area of cuboids	Checking and securing understanding of surface area of other prisms
		Friday		Checking and securing understanding of surface area of other prisms	Checking and securing understanding of volume of a cylinder
07/12/26	A	Monday		Checking and securing understanding of volume of a cylinder	Checking and securing understanding of surface area of a cylinder
		Tuesday		Checking and securing understanding of surface area of a cylinder	The surface area of a pyramid
		Wednesday		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
14/12/26	B	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