

Remote Curriculum

Year 10 Higher Maths

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	Powers, roots and surds	Converting any recurring decimal to a fraction	Checking and securing understanding of prime factorisation
		Tuesday		Checking and securing understanding of prime factorisation	Checking and securing understanding of LCM and HCF
		Wednesday		Checking and securing understanding of LCM and HCF	Checking and securing understanding of roots and integer indices
		Thursday		Checking and securing understanding of roots and integer indices	The laws of indices - multiplication
		Friday		The laws of indices - multiplication	The laws of indices - division
14/09/26	B	Monday		The laws of indices - division	The laws of indices - raising a power to a power
		Tuesday		The laws of indices - raising a power to a power	The laws of indices - negative and zero exponents
		Wednesday		The laws of indices - negative and zero exponents	Accuracy of final answers
		Thursday		Accuracy of final answers	Identifying square factors to support simplifying surds
		Friday		Identifying square factors to support simplifying surds	Simplifying surds

21/09/26	A	Monday		Simplifying surds	Addition with surds
		Tuesday		Addition with surds	Multiplication of surds
		Wednesday		Multiplication of surds	Applying the underlying structure of multiplication and division of surds
		Thursday		Applying the underlying structure of multiplication and division of surds	The distributive law with surds
		Friday		The distributive law with surds	The distributive law with two or more binomials
28/09/26	B	Monday		The distributive law with two or more binomials	Rationalising a single term denominator
		Tuesday		Rationalising a single term denominator	Rationalising a two term denominator
		Wednesday		Checking and securing understanding of roots and integer indices	The laws of indices - multiplication
		Thursday		The laws of indices - multiplication	The laws of indices - division
		Friday		The laws of indices - division	The laws of indices - raising a power to a power
05/10/26	A	Monday	Indices and Standard form	The laws of indices - raising a power to a power	The laws of indices - negative and zero exponents
		Tuesday		The laws of indices - negative and zero exponents	Problem solving with the laws of indices
		Wednesday		Problem solving with the laws of indices	Checking and securing understanding of writing large numbers in standard form
		Thursday		Checking and securing understanding of writing large numbers in standard form	Checking and securing understanding of writing small numbers in standard form
		Friday		Checking and securing understanding of writing small numbers in standard form	Adding numbers in standard form
12/10/26	B	Monday		Adding numbers in standard form	Subtracting numbers in standard form
		Tuesday		Subtracting numbers in standard form	Multiplying numbers in standard form
		Wednesday		Multiplying numbers in standard form	Dividing numbers in standard form
		Thursday		Dividing numbers in standard form	Problem solving with standard form calculations
		Friday		Problem solving with standard form calculations	Problem solving with the laws of indices
19/10/26	A	Monday	Sequences	Checking understanding of arithmetic sequences	Securing understanding of arithmetic sequences
		Tuesday		Securing understanding of arithmetic sequences	Features of geometric sequences
		Wednesday		Features of geometric sequences	Recognising geometric sequences
		Thursday		Recognising geometric sequences	Representing geometric sequences graphically
		Friday		Representing geometric sequences graphically	Features of special number sequences

02/11/26	B	Monday	Algebraic Manipulation and Quadratics	Features of special number sequences	Recognising special number sequences
		Tuesday		Further algebraic terminology	Checking and securing understanding of factorising
		Wednesday		Checking and securing understanding of factorising	Checking and securing understanding of forming linear equations
		Thursday		Checking and securing understanding of forming linear equations	Checking and securing understanding of solving and interpreting linear equations
		Friday		Checking and securing understanding of solving and interpreting linear equations	Checking and securing understanding of changing the subject
09/11/26	A	Monday		Checking and securing understanding of changing the subject	Checking and securing understanding of the product of two binomials
		Tuesday		Checking and securing understanding of the product of two binomials	The product of three binomials
		Wednesday		The product of three binomials	Factorising a quadratic expression
		Thursday		Factorising a quadratic expression	Factorising using the difference of two squares
		Friday		Factorising using the difference of two squares	Factorising quadratics of the form $ax^2 + bx + c$
16/11/26	B	Monday		Factorising quadratics of the form $ax^2 + bx + c$	Solving quadratic equations by factorising
		Tuesday		Solving quadratic equations by factorising	Solving quadratic equations by factorising where rearrangement is required
		Wednesday		Solving quadratic equations by factorising where rearrangement is required	Solving quadratic equations by completing the square
		Thursday		Solving quadratic equations by completing the square	Solving complex quadratic equations by completing the square
		Friday		Solving complex quadratic equations by completing the square	Solving quadratic equations by using the formula
23/11/26	A	Monday	Algebraic Fractions	Further algebraic terminology	Checking and securing understanding of factorising
		Tuesday		Checking and securing understanding of solving with simple algebraic fractions	Simplifying algebraic fractions
		Wednesday		Simplifying algebraic fractions	Operations with algebraic fractions
		Thursday		Operations with algebraic fractions	Solving equations with algebraic fractions

		Friday		Solving equations with algebraic fractions	Checking and securing understanding of changing the subject with simple algebraic fractions
30/11/26	B	Monday		Checking and securing understanding of changing the subject with simple algebraic fractions	Changing the subject with multiple algebraic fractions
		Tuesday		Changing the subject with multiple algebraic fractions	Changing the subject where the variable appears in multiple terms
		Wednesday		Changing the subject where the variable appears in multiple terms	Problem solving with advanced algebraic fractions
		Thursday		Operations with algebraic fractions	Solving equations with algebraic fractions
		Friday		Checking and securing understanding of solving with simple algebraic fractions	Simplifying algebraic fractions
				Simplifying algebraic fractions	Operations with algebraic fractions
07/12/26	A	Monday		Checking and securing understanding of interpreting graphs	Forming simultaneous equations
		Tuesday		Forming simultaneous equations	Combining equations
		Wednesday		Combining equations	Solving algebraic simultaneous equations by elimination
		Thursday		Solving algebraic simultaneous equations by elimination	Solving more complex simultaneous equations by elimination
		Friday		Solving more complex simultaneous equations by elimination	Solving simultaneous linear equations by substitution
14/12/26	B	Monday	Simultaneous equations	Solving simultaneous linear equations by substitution	Solving simultaneous linear equations graphically
		Tuesday		Solving simultaneous linear equations graphically	Solving simultaneous equations via any method
		Wednesday		Solving simultaneous equations via any method	Problem solving with simultaneous equations
		Thursday		Problem solving with simultaneous equations	Combining equations
		Friday			

