

Remote Curriculum

Year 10 Foundation Maths



Ivybridge
COMMUNITY COLLEGE

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.

Week Commencing	Week	Lesson	Title	Lesson 1 Hold ctrl and click	Lesson 2 Hold ctrl and click
9/09/24	B	Monday	<i>Factors, multiples, primes, powers and roots</i>	Multiples and Factor Pairs	Identify Prime Numbers
		Tuesday		Identify Prime Numbers	Prime Factor Decomposition
		Wednesday		Prime Factor Decomposition	Using Prime Factor Decomposition
		Thursday		Using Prime Factor Decomposition	Simple LCM and HCF
		Friday		Simple LCM and HCF	Finding the LCM
16/09/24	A	Monday		Finding the LCM	Finding the HCF
		Tuesday		Finding the HCF	Applying LCM and HCF
		Wednesday		Applying LCM and HCF	Square and cube numbers
		Thursday		Square and cube numbers	Square roots and cube roots
		Friday		Square roots and cube roots	Higher powers
23/09/24	B	Monday		Higher powers	Higher roots
		Tuesday		Higher roots	Multiply powers
		Wednesday		Multiply powers	Divide powers

		Thursday		Divide powers	Powers of powers
		Friday		Powers of powers	Manipulating powers
30/09/24	A	Monday		Manipulating powers	Multiples and Factor Pairs
		Tuesday	<i>Indices and standard form</i>	Checking and securing understanding of roots and integer indices	The laws of indices - multiplication
		Wednesday		The laws of indices - multiplication	The laws of indices - division
		Thursday		The laws of indices - division	The laws of indices - raising a power to a power
		Friday		The laws of indices - raising a power to a power	The laws of indices - negative and zero exponents
		Monday		The laws of indices - negative and zero exponents	Problem solving with the laws of indices
Tuesday	Problem solving with the laws of indices	Checking and securing understanding of writing large numbers in standard form			
7/10/24	B	Wednesday		Checking and securing understanding of writing large numbers in standard form	Checking and securing understanding of writing small numbers in standard form
		Thursday		Checking and securing understanding of writing small numbers in standard form	Adding numbers in standard form
		Friday		Adding numbers in standard form	Subtracting numbers in standard form
		Monday		Subtracting numbers in standard form	Multiplying numbers in standard form
		Tuesday		Multiplying numbers in standard form	Dividing numbers in standard form
14/10/24	A	Wednesday		Dividing numbers in standard form	Problem solving with standard form calculations
		Thursday		Problem solving with standard form calculations	Problem solving with the laws of indices
		Friday		Write the nth term of a linear sequence	Triangular and Fibonacci style sequences
		Monday	<i>Sequences</i>	Find terms of a linear sequence	Simple quadratic and cubic sequences
		Tuesday		Write the nth term of a linear sequence	Find terms of a linear sequence
Wednesday	Find terms of a linear sequence	Triangular and Fibonacci style sequences			
Thursday	Triangular and Fibonacci style sequences	Simple quadratic and cubic sequences			
Friday	Simple quadratic and cubic sequences	Write the nth term of a linear sequence			
4/11/24	A	Monday	<i>Algebra Recap</i>	Simplify Expressions by Collecting Like Terms	Simplify Expressions by Multiplying Terms
		Tuesday		Simplify Expressions by Multiplying Terms	Expand a Term over a Single Bracket
		Wednesday		Expand a Term over a Single Bracket	Expand a Term over a Single Bracket including Powers

		Thursday		Expand a Term over a Single Bracket including Powers	Solving one-step equations
		Friday		Solving one-step equations	Solving two-step equations
11/11/24	B	Monday		Solving two-step equations	Solving equations with brackets
		Tuesday		Solving equations with brackets	Solving equations with unknown on both sides
		Wednesday		Solving equations with unknown on both sides	Substitute a positive term into a formula
		Thursday		Substitute a positive term into a formula	Substitute a negative term into a formula
		Friday		Substitute a negative term into a formula	Change the subject of a formula
18/11/24	A	Monday		Expand 2 brackets and simplify expressions (Part 1)	Expand 2 brackets and simplify expressions (Part 2)
		Tuesday		Expand 2 brackets and simplify expressions (Part 2)	Expand and simplify double brackets
		Wednesday		Expand and simplify double brackets	Expand and Simplify Double Brackets (Coefficient of x Greater than 1)
		Thursday		Expand and Simplify Double Brackets (Coefficient of x Greater than 1)	Factorise a quadratic
		Friday		Factorise a quadratic	Factorise a quadratic (difference of two squares)
25/11/24	B	Monday		Factorise a quadratic (difference of two squares)	Plot simple quadratic equations
		Tuesday	<i>Quadratics and quadratic graphs</i>	Plot simple quadratic equations	Plot other quadratic equations
		Wednesday		Plot other quadratic equations	Solving Quadratic Equations Graphically
		Thursday		Solving Quadratic Equations Graphically	Identify and interpret roots, intercepts and turning points of quadratic graphs
		Friday		Identify and interpret roots, intercepts and turning points of quadratic graphs	Expand 2 brackets and simplify expressions (Part 1)
2/12/24	A	Monday		Expand 2 brackets and simplify expressions (Part 1)	Expand 2 brackets and simplify expressions (Part 2)
		Tuesday		Expand 2 brackets and simplify expressions (Part 2)	Expand and simplify double brackets
		Wednesday		Expand and simplify double brackets	Expand and Simplify Double Brackets (Coefficient of x Greater than 1)
		Thursday		Expand and Simplify Double Brackets (Coefficient of x Greater than 1)	Plot simple quadratic equations

		Friday		Plot simple quadratic equations	Plot other quadratic equations
9/12/24	B	Monday		Plot other quadratic equations	Factorise a quadratic
		Tuesday	<i>Simultaneous Equations</i>	Checking and securing understanding of interpreting graphs	Forming simultaneous equations
		Wednesday		Forming simultaneous equations	Combining equations
		Thursday		Combining equations	Solving algebraic simultaneous equations by elimination
		Friday		Solving algebraic simultaneous equations by elimination	Solving more complex simultaneous equations by elimination
		Monday		Solving more complex simultaneous equations by elimination	Solving simultaneous linear equations by substitution
Tuesday	Solving simultaneous linear equations by substitution	Solving simultaneous linear equations graphically			
16/12/24	B	Wednesday		Solving simultaneous linear equations graphically	Solving simultaneous equations via any method
		Thursday		Solving simultaneous equations via any method	Problem solving with simultaneous equations
		Friday		Problem solving with simultaneous equations	Combining equations

