

Remote Curriculum

Year 10 Maths: Foundation



Ivybridge

COMMUNITY COLLEGE

How it Works:

1. Find the correct week commencing row.
2. Find today`s day - There are two different lessons in each day– 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	
6/1/2025	B	All Week	Proportion	Simplifying Ratio	Divide into a ratio	
				Divide into a ratio	Find a part given a part	
				Find a part given a part	Find total or difference given a part	
				Find total or difference given a part	Ratio and Fractions	
				Ratio and Fractions	Unitary Method	
				Unitary Method	Proportion graphs	
13/1/2025	A	Monday		Proportion graphs	Proportion problems	
		Tuesday		Direct Proportion	Solving proportion problems	
		Wednesday		Know and understand Pythagoras' Theorem	Find Hypotenuse	
		Thursday		Find Hypotenuse	Find shorter side	
		Friday		Find shorter side	Finding missing length	
20/1/2025	B	Monday	Pythagoras	Finding missing length	Showing a triangle is right angled	
		Tuesday			Showing a triangle is right angled	Finding length of line segment
		Wednesday				
		Thursday				
		Friday				

27/1/2025	A	Monday	Pythagoras	Finding length of line segment	Pythagoras with isosceles
		Tuesday		Pythagoras with isosceles	Pythagoras with two triangles
		Wednesday		Pythagoras with two triangles	Pythagoras Theorem
		Thursday		Pythagoras Theorem	Pythagoras theorem 2
		Friday		Pythagoras theorem 2	Finding length of line segment
3/2/2025	B	Monday	Trigonometry	Know tangent, sine and cosine	Use tangent to find a length
		Tuesday		Use tangent to find a length	Use sine and cosine to find a length
		Wednesday		Use sine and cosine to find a length	Applying trigonometry
		Thursday		Applying trigonometry	Using trigonometry to find the perpendicular height of a triangle
		Friday		Using trigonometry to find the perpendicular height of a triangle	Solve basic trigonometry equations
10/2/2025	A	Monday		Solve basic trigonometry equations	Using inverse functions to find an angle
		Tuesday		Using inverse functions to find an angle	Solve problems mixing angles and sides
		Wednesday		Solve problems mixing angles and sides	Know the trigonometry ratios
		Thursday		Know the trigonometry ratios	Substitute exact values to find a missing length
		Friday		Substitute exact values to find a missing length	Use trigonometry to find bearing problems
24/2/2025	B	All Week	Trigonometry	Use trigonometry to find bearing problems	Know when to use trigonometry or Pythagoras to solve problems
				Representing probability	Complementary events
				Complementary events	Calculating probabilities
3/3/2025	A	Monday	Probability	Calculating probabilities	Theoretical probability and relative frequency
		Tuesday		Theoretical probability and relative frequency	Theoretical probability and relative frequency part 2
		Wednesday		Theoretical probability and relative frequency part 2	Comparing probabilities
		Thursday		Comparing probabilities	Combined events and sample spaces
		Friday		Combined events and sample spaces	Combined events and sample spaces part 2
10/3/2025	B	Monday		Combined events and sample spaces part 2	Frequency trees
		Tuesday		Frequency trees	Calculating the probabilities of combined events
		Wednesday		Calculating the probabilities of combined events	Combined events and tree diagrams
		Thursday		Combined events and tree diagrams part 2	Listing outcomes in a sample space diagram, two way table
		Friday		Listing outcomes in a sample space diagram, two way table	Calculating experimental probabilities
17/3/2025	A	Monday	Plans and Elevations	Calculating experimental probabilities	Finding probabilities from Venn diagrams
		Tuesday		Finding probabilities from Venn diagrams	Finding probabilities from frequency trees
		Wednesday		Faces, edges and vertices	Drawing plan views and elevations
		Thursday		Drawing plan views and elevations	Sketch 3D shapes when given plan and elevations
		Friday		Sketch 3D shapes when given plan and elevations	Using map scales to work out a length
24/3/2025	B	Monday	Multiplicative Reasoning	Use and apply the speed formula	Use and apply the density formula
		Tuesday		Use and apply the density formula	Use and apply the pressure formula
		Wednesday		Use and apply the pressure formula	Ratio and fractions
		Thursday		Ratio and fractions	Compare the cost of two items using the unitary method
		Friday		Compare the cost of two items using the unitary method	Increase, decrease an amount by a percentage
				Increase, decrease an amount by a percentage	Calculate percentage change

31/3/2025	A	All Week	Multiplicative Reasoning	Calculate percentage change	Reverse percentages
				Reverse percentages	Simple interest
				Simple interest	Repeated percentage increase
				Repeated percentage increase	Repeated percentage decrease