

Remote Curriculum

Year 10 Maths: Higher



Ivybridge

COMMUNITY COLLEGE

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
6/1/2025	B	All Week	Inequalities	Representing inequalities on a number line	Solve one and two step inequalities
				Solve one and two step inequalities	Solve inequalities with unknowns on both sides
				Solve inequalities with unknowns on both sides	Solving inequalities involving algebraic fractions
				Solving inequalities involving algebraic fractions	Representing inequalities on a coordinate grid
				Representing inequalities on a coordinate grid	Representing inequalities on a coordinate grid 2
				Representing inequalities on a coordinate grid 2	Shade in the region defined by several inequalities
				Shade in the region defined by several inequalities	Identify inequalities that make up a region
				Identify inequalities that make up a region	Solve inequalities with unknowns on both sides
20/1/2025	B	Monday	Probability	Venn diagrams and probability	Drawing Venn diagrams
		Tuesday		Drawing Venn diagrams	Using Venn diagrams for conditional probability
		Wednesday		Using Venn diagrams for conditional probability	Mixed questions with Venn diagrams
		Thursday		Mixed questions with Venn diagrams	Listing outcomes in a sample space diagram
		Friday		Listing outcomes in a sample space diagram	Calculate experimental probabilities

27/1/2025	A	Monday	Probability	Calculate experimental probabilities	Find probabilities form Venn diagrams
		Tuesday		Find probabilities form Venn diagrams	Find probabilities from frequency trees
		Wednesday		Find probabilities from frequency trees	Tree diagram for independent events
		Thursday		Tree diagram for independent events	Calculate probabilities of independent events
		Friday		Calculate probabilities of independent events	Draw tree diagrams for dependent events
3/2/2025	B	Monday		Draw tree diagrams for dependent events	Calculate probabilities of dependent events
		Tuesday		Calculate probabilities of dependent events	Conditional probability word problems
		Wednesday		Conditional probability word problems	Conditional probability two way tables
		Thursday		Conditional probability two way tables	Probability from a Venn diagram- 2 sets
		Friday		Probability from a Venn diagram- 2 sets	Probability from a Venn diagram- 3 sets
10/2/2025	A	Monday	Multiplicative Reasoning	Probability from a Venn diagram- 3 sets	Draw tree diagrams for dependent events
		Tuesday		Ratios and fractions	Compare costs using unitary method
		Wednesday		Compare costs using unitary method	Using direct proportion graphs
		Thursday		Using direct proportion graphs	Proportion problems
		Friday		Proportion problems	Use and apply the speed formula
24/2/2025	B	All Week	Multiplicative reasoning	Use and apply the speed formula	Use and apply the density formula
				Use and apply the density formula	Use and apply the pressure formula
				Use and apply the pressure formula	Repeated percentage increase
				Repeated percentage increase	Repeated percentage decrease
				Repeated percentage decrease	Repeated percentage increase and decrease
3/3/2025	A	Monday		Repeated percentage increase and decrease	Solve problems with repeated percentage change
		Tuesday		Solve problems with repeated percentage change	Simple direct proportion $y=kx$
		Wednesday		Simple direct proportion $y=kx$	Other direct proportion relationships
		Thursday		Other direct proportion relationships	Inverse proportion
		Friday		Inverse proportion	Further proportionality
10/3/2025	B	Monday	Similarity and congruence	Identify and show shapes are similar	Finding missing lengths in similar shapes
		Tuesday		Finding missing lengths in similar shapes	Finding sides in shapes with sides overlapping
		Wednesday		Finding sides in shapes with sides overlapping	Identify congruent shapes
		Thursday		Identify congruent shapes	Enlargement with negative scale factor
		Friday		Enlargement with negative scale factor	Describe an enlargement with a negative scale factor
17/3/2025	A	Monday		Describe an enlargement with a negative scale factor	Find areas of similar shapes given corresponding lengths
		Tuesday		Find areas of similar shapes given corresponding lengths	Find volumes of similar shapes given lengths
		Wednesday		Find volumes of similar shapes given lengths	Identify congruent shapes
		Thursday		Plot simple quadratic equations	Plot other quadratic equations
		Friday		Plot other quadratic equations	Solving quadratic equations graphically
24/3/2025	B	Monday	Graphs of functions including trigonometric functions	Solving quadratic equations graphically	Identify and interpret roots, intercepts and turning points
		Tuesday		Identify and interpret roots, intercepts and turning points	Drawing quadratic graph $a>1$
		Wednesday		Drawing quadratic graph $a>1$	Drawing cubic functions using tables
		Thursday		Drawing cubic functions using tables	Sketching graphs of simple cubic fuctions given as three linear expressions
		Friday		Sketching graphs of simple cubic fuctions given as three linear expressions	

31/3/2025	A	All Week	Graphs of functions including trigonometric functions		Know the graphs of sin, cos and tan
				Know the graphs of sin, cos and tan	Recognise and sketch graphs of exponential functions
				Recognise and sketch graphs of exponential functions	Translations of graphs
				Translations of graphs	Reflections of graphs