

Remote Curriculum

Year 10 Maths: Higher

How it Works:

- Find the correct week commencing row.
- 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.
- 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.
- Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz (LSQ)
- Complete any starter quizzes.
 - Write your answer down
 - Mark your answers and write down any corrections
- Watch the videos and take notes.
- Pause if/when instructed to do so to answer questions or respond.
- Complete and go onto the next one.



Ivybridge
COMMUNITY COLLEGE

Week Commencing	Week	Day	Topic	Lesson 1 Hold ctrl and click	Lesson 2 Hold ctrl and click
1/1/2024	A	Monday	Inequalities		
		Tuesday			
		Wednesday		Representing inequalities on a number line	Solve one and two step inequalities
		Thursday		Solve one and two step inequalities	Solve inequalities with unknowns on both sides
		Friday		Solve inequalities with unknowns on both sides	Solving inequalities involving algebraic fractions
8/1/2024	B	Monday		Solving inequalities involving algebraic fractions	Representing inequalities on a coordinate grid
		Tuesday		Representing inequalities on a coordinate grid	Representing inequalities on a coordinate grid 2
		Wednesday		Representing inequalities on a coordinate grid 2	Shade in the region defined by several inequalities
		Thursday		Shade in the region defined by several inequalities	Identify inequalities that make up a region
		Friday		Identify inequalities that make up a region	Solve inequalities with unknowns on both sides
15/1/2024	A	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
22/1/2024	B	Monday		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
29/1/2024	A	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
5/2/2024	B	Monday	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	
19/2/2024	A	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	Repeated percentage increase
		Thursday		Repeated percentage increase	Repeated percentage decrease
		Friday		Repeated percentage decrease	Repeated percentage increase and decrease
26/2/2024	B	Monday		Repeated percentage decrease	Repeated percentage increase and decrease
		Tuesday		Repeated percentage increase and decrease	Solve problems with repeated percentage change
		Wednesday		Solve problems with repeated percentage change	Simple direct proportion y=kx
		Thursday	Simple direct proportion y=kx	Other direct proportion relationships	
		Friday	Other direct proportion relationships	Inverse proportion	
4/3/2024	A	Monday	Similarity and congruence	Inverse proportion	Further proportionality
		Tuesday		Identify and show shapes are similar	Finding missing lengths in similar shapes
		Wednesday		Finding missing lengths in similar shapes	Finding sides in shapes with sides overlapping
		Thursday		Finding sides in shapes with sides overlapping	Identify congruent shapes
		Friday		Identify congruent shapes	Enlargement with negative scale factor
11/3/2024	B	Monday		Enlargement with negative scale factor	Describe an enlargement with a negative scale factor
		Tuesday		Describe an enlargement with a negative scale factor	Find areas of similar shapes given corresponding lengths
		Wednesday		Find areas of similar shapes given corresponding lengths	Find volumes of similar shapes given lengths
		Thursday	Find volumes of similar shapes given lengths	Identify congruent shapes	
		Friday	Plot simple quadratic equations	Plot other quadratic equations	
18/3/2024	A	Monday	Graphs of functions including trigonometric functions	Plot other quadratic equations	Solving quadratic equations graphically
		Tuesday		Solving quadratic equations graphically	Identify and interpret roots, intercepts and turning points
		Wednesday		Identify and interpret roots, intercepts and turning points	Drawing quadratic graph a>1
		Thursday		Drawing quadratic graph a>1	Drawing cubic functions using tables
		Friday		Drawing cubic functions using tables	Sketching graphs of simple cubic fuctions given as three linear expressions
25/3/2024	B	Monday			Know the graphs of sin, cos and tan

		Tuesday		Know the graphs of sin, cos and tan	Recognise and sketch graphs of exponential functions
		Wednesday		Recognise and sketch graphs of exponential functions	Translations of graphs
		Thursday		Translations of graphs	Reflections of graphs
		Friday			