

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.

Week Commencing	Week	Day	Topic	Lesson 1 Hold ctrl and click	Lesson 2 Hold ctrl and click
1	B	Monday	Inequalities	Representing inequalities on a number line Solve one and two step inequalities Solve inequalities with unknowns on both sides Solving inequalities involving algebraic fractions	Solve one and two step inequalities Solve inequalities with unknowns on both sides Solving inequalities involving algebraic fractions
		Tuesday			
		Wednesday			
		Thursday			
		Friday			
2	A	Monday	Inequalities	Representing inequalities on a coordinate grid Representing inequalities on a coordinate grid 2 Shade in the region defined by several inequalities Identify inequalities that make up a region	Representing inequalities on a coordinate grid Representing inequalities on a coordinate grid 2 Shade in the region defined by several inequalities Identify inequalities that make up a region
		Tuesday			
		Wednesday			
		Thursday			
		Friday			
3	B	Monday	Probability	Venn diagrams and probability Using Venn diagrams for conditional probability Mixed questions with Venn diagrams Listing outcomes in a sample space diagram	Drawing Venn diagrams Using Venn diagrams for conditional probability Mixed questions with Venn diagrams Listing outcomes in a sample space diagram
		Tuesday			
		Wednesday			
		Thursday			
		Friday			
4	A	Monday	Probability	Calculate experimental probabilities Find probabilities from Venn diagrams	Calculate experimental probabilities Find probabilities from Venn diagrams
		Tuesday			

		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
5	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	
6	A	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	
7	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	Repeated percentage increase
		Thursday		Repeated percentage increase	Repeated percentage decrease
		Friday		Repeated percentage decrease	Repeated percentage increase and decrease
8	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	
9	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
10	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	
11	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			Know the graphs of sin, cos and tan
12		Monday			

	A	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			