

Remote Curriculum

Year 10 Maths: Higher

How it Works:

1. Find the correct week commencing row.
2. Find today's day - There are 2 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
15/04/2024	B	Monday	Congruence and Similarity	Identify and show shapes are similar	Use and apply the speed formula
		Tuesday		Finding missing lengths in similar shapes	Identify and show shapes are similar
		Wednesday		Finding sides in shapes with sides overlapping	Finding missing lengths in similar shapes
		Thursday		Identify congruent shapes	Finding sides in shapes with sides overlapping
		Friday		Enlargement with negative scale factor	Identify congruent shapes
22/04/2024	A	Monday	Graphs of functions including trigonometric functions	Describe an enlargement with a negative scale factor	Enlargement with negative scale factor
		Tuesday		Find areas of similar shapes given corresponding lengths	Describe an enlargement with a negative scale factor
		Wednesday		Find volumes of similar shapes given lengths	Find areas of similar shapes given corresponding lengths
		Thursday		Identify congruent shapes	Find volumes of similar shapes given lengths
		Friday		Plot simple quadratic equations	Plot other quadratic equations
29/04/2024	B	Monday		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 functions given as three linear expressions
06/05/2024	A	Monday	Collecting Data		
		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		Designing questionnaires	Reflections of graphs
13/05/2024	B	Monday	Representing Data	Sampling methods	Designing questionnaires
		Tuesday		Stratified Sampling	Sampling methods
		Wednesday		Capture-recapture	Stratified Sampling
		Thursday		Plot simple quadratic equations	Capture-recapture
		Friday		Cumulative frequency	Boxplots
20/05/2024	A	Monday		Finding quartiles	Cumulative frequency
		Tuesday		Quartiles from list	Finding quartiles
		Wednesday		Boxplots	Quartiles from list
		Thursday		Cumulative frequency	Boxplots
		Friday		Finding quartiles	Boxplots
03/06/2024	B	Monday		Plot a histogram	Boxplots
		Tuesday		Find frequency from a histogram	Plot a histogram
		Wednesday		Finding median from histogram	Find frequency from a histogram
		Thursday		Finding probability from a histogram	Finding median from histogram
		Friday		Cumulative frequency	Finding probability from a histogram
10/06/2024	A	Monday		Finding quartiles	Cumulative frequency
		Tuesday		Quartiles from list	Finding quartiles
		Wednesday		Boxplots	Quartiles from list
		Thursday		Plot a histogram	Boxplots
		Friday		Find frequency from a histogram	Plot a histogram
17/06/2024	B	Monday	Revision on Inequalities	Finding median from histogram	Find frequency from a histogram
		Tuesday		Finding probability from a histogram	Finding median from histogram
		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
24/06/2024	A	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
01/07/2024	B	Monday	Revision on 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

15/07/2024	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