

# 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 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	<a href="#">Identify and show shapes are similar</a>	<a href="#">Use and apply the speed formula</a>
		Tuesday		<a href="#">Finding missing lengths in similar shapes</a>	<a href="#">Identify and show shapes are similar</a>
		Wednesday		<a href="#">Finding sides in shapes with sides overlapping</a>	<a href="#">Finding missing lengths in similar shapes</a>
		Thursday		<a href="#">Identify congruent shapes</a>	<a href="#">Finding sides in shapes with sides overlapping</a>
		Friday		<a href="#">Enlargement with negative scale factor</a>	<a href="#">Identify congruent shapes</a>
22/04/2024	A	Monday	Graphs of functions including trigonometric functions	<a href="#">Describe an enlargement with a negative scale factor</a>	<a href="#">Enlargement with negative scale factor</a>
		Tuesday		<a href="#">Find areas of similar shapes given corresponding lengths</a>	<a href="#">Describe an enlargement with a negative scale factor</a>
		Wednesday		<a href="#">Find volumes of similar shapes given lengths</a>	<a href="#">Find areas of similar shapes given corresponding lengths</a>
		Thursday		<a href="#">Identify congruent shapes</a>	<a href="#">Find volumes of similar shapes given lengths</a>
		Friday		<a href="#">Plot simple quadratic equations</a>	<a href="#">Plot other quadratic equations</a>
29/04/2024	B	Monday		<a href="#">Plot other quadratic equations</a>	<a href="#">Solving quadratic equations graphically</a>
		Tuesday		<a href="#">Solving quadratic equations graphically</a>	<a href="#">Identify and interpret roots, intercepts and turning points</a>
		Wednesday		<a href="#">Identify and interpret roots, intercepts and turning points</a>	<a href="#">Drawing quadratic graph <math>a &gt; 1</math></a>
		Thursday		<a href="#">Drawing quadratic graph <math>a &gt; 1</math></a>	<a href="#">Drawing cubic functions using tables</a>

		Friday		<a href="#">Drawing cubic functions using tables</a>	<a href="#">Sketching graphs of simple cubic functions given as three linear expressions</a>
06/05/2024	A	Monday	Collecting Data		
		Tuesday		<a href="#">Know the graphs of sin, cos and tan</a>	<a href="#">Recognise and sketch graphs of exponential functions</a>
		Wednesday		<a href="#">Recognise and sketch graphs of exponential functions</a>	<a href="#">Translations of graphs</a>
		Thursday		<a href="#">Translations of graphs</a>	<a href="#">Reflections of graphs</a>
		Friday		<a href="#">Designing questionnaires</a>	<a href="#">Reflections of graphs</a>
13/05/2024	B	Monday	Representing Data	<a href="#">Sampling methods</a>	<a href="#">Designing questionnaires</a>
		Tuesday		<a href="#">Stratified Sampling</a>	<a href="#">Sampling methods</a>
		Wednesday		<a href="#">Capture-recapture</a>	<a href="#">Stratified Sampling</a>
		Thursday		<a href="#">Plot simple quadratic equations</a>	<a href="#">Capture-recapture</a>
		Friday		<a href="#">Cumulative frequency</a>	<a href="#">Boxplots</a>
20/05/2024	A	Monday		<a href="#">Finding quartiles</a>	<a href="#">Cumulative frequency</a>
		Tuesday		<a href="#">Quartiles from list</a>	<a href="#">Finding quartiles</a>
		Wednesday		<a href="#">Boxplots</a>	<a href="#">Quartiles from list</a>
		Thursday		<a href="#">Cumulative frequency</a>	<a href="#">Boxplots</a>
		Friday		<a href="#">Finding quartiles</a>	<a href="#">Boxplots</a>
03/06/2024	B	Monday		<a href="#">Plot a histogram</a>	<a href="#">Boxplots</a>
		Tuesday		<a href="#">Find frequency from a histogram</a>	<a href="#">Plot a histogram</a>
		Wednesday		<a href="#">Finding median from histogram</a>	<a href="#">Find frequency from a histogram</a>
		Thursday		<a href="#">Finding probability from a histogram</a>	<a href="#">Finding median from histogram</a>
		Friday		<a href="#">Cumulative frequency</a>	<a href="#">Finding probability from a histogram</a>
10/06/2024	A	Monday		<a href="#">Finding quartiles</a>	<a href="#">Cumulative frequency</a>
		Tuesday		<a href="#">Quartiles from list</a>	<a href="#">Finding quartiles</a>
		Wednesday		<a href="#">Boxplots</a>	<a href="#">Quartiles from list</a>
		Thursday		<a href="#">Plot a histogram</a>	<a href="#">Boxplots</a>
		Friday		<a href="#">Find frequency from a histogram</a>	<a href="#">Plot a histogram</a>
17/06/2024	B	Monday	Revision on Inequalities	<a href="#">Finding median from histogram</a>	<a href="#">Find frequency from a histogram</a>
		Tuesday		<a href="#">Finding probability from a histogram</a>	<a href="#">Finding median from histogram</a>
		Wednesday		<a href="#">Representing inequalities on a number line</a>	<a href="#">Solve one and two step inequalities</a>
		Thursday		<a href="#">Solve one and two step inequalities</a>	<a href="#">Solve inequalities with unknowns on both sides</a>
		Friday		<a href="#">Solve inequalities with unknowns on both sides</a>	<a href="#">Solving inequalities involving algebraic fractions</a>
24/06/2024	A	Monday		<a href="#">Solving inequalities involving algebraic fractions</a>	<a href="#">Representing inequalities on a coordinate grid</a>
		Tuesday		<a href="#">Representing inequalities on a coordinate grid</a>	<a href="#">Representing inequalities on a coordinate grid 2</a>
		Wednesday		<a href="#">Representing inequalities on a coordinate grid 2</a>	<a href="#">Shade in the region defined by several inequalities</a>
		Thursday		<a href="#">Shade in the region defined by several inequalities</a>	<a href="#">Identify inequalities that make up a region</a>
		Friday		<a href="#">Identify inequalities that make up a region</a>	<a href="#">Solve inequalities with unknowns on both sides</a>
01/07/2024	B	Monday	Revision on Probability	<a href="#">Venn diagrams and probability</a>	<a href="#">Drawing Venn diagrams</a>
		Tuesday		<a href="#">Drawing Venn diagrams</a>	<a href="#">Using Venn diagrams for conditional probability</a>
		Wednesday		<a href="#">Using Venn diagrams for conditional probability</a>	<a href="#">Mixed questions with Venn diagrams</a>
		Thursday		<a href="#">Mixed questions with Venn diagrams</a>	<a href="#">Listing outcomes in a sample space diagram</a>
		Friday		<a href="#">Listing outcomes in a sample space diagram</a>	<a href="#">Calculate experimental probabilities</a>

15/07/2024	B	Monday	<a href="#">Calculate experimental probabilities</a>	<a href="#">Find probabilities form Venn diagrams</a>
		Tuesday	<a href="#">Find probabilities form Venn diagrams</a>	<a href="#">Find probabilities from frequency trees</a>
		Wednesday	<a href="#">Find probabilities from frequency trees</a>	<a href="#">Tree diagram for independent events</a>
		Thursday	<a href="#">Tree diagram for independent events</a>	<a href="#">Calculate probabilities of independent events</a>
		Friday	<a href="#">Calculate probabilities of independent events</a>	<a href="#">Draw tree diagrams for dependent events</a>