

Remote Curriculum

Year 10 Mathematics, Sets 5 and 6



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 – 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;
 - b. 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
20/04/2026	B	Monday	<i>Pythagoras and trigonometry</i>	Demonstrating Pythagoras' theorem	Length of the hypotenuse
		Tuesday		Length of the hypotenuse	Length of a shorter side
		Wednesday		Length of a shorter side	Determining which side
		Thursday		Determining which side	Pythagoras' theorem in context
		Friday		Pythagoras' theorem in context	Problem solving with similarity and Pythagoras' theorem
27/04/2026	A	Monday		Problem solving with similarity and Pythagoras' theorem	Checking understanding of similarity
		Tuesday		Checking and securing understanding of similar triangles	Checking and securing understanding of Pythagoras' theorem
		Wednesday		Checking and securing understanding of Pythagoras' theorem	The unit circle

		Thursday		The unit circle	Scaling the right-angled triangle from the unit circle
		Friday		Scaling the right-angled triangle from the unit circle	Sine and cosine ratios
04/05/2026	B	Monday			
		Tuesday		Sine and cosine ratios	Tangent ratio
		Wednesday		Tangent ratio	Using the sine ratio
		Thursday		Using the sine ratio	Using the cosine ratio
		Friday		Using the cosine ratio	Using the tangent ratio
11/05/2026	A	Monday		Using the tangent ratio	Choosing the right trigonometric ratio
		Tuesday		Choosing the right trigonometric ratio	Choosing an appropriate method for finding lengths of a triangle
		Wednesday		Choosing an appropriate method for finding lengths of a triangle	Problem solving with trigonometry
		Thursday	<i>Compound measure</i>	Checking and further securing understanding of direct proportion in context	Compound measures for speed
		Friday		Compound measures for speed	Compound measures for density
18/05/2026	B	Monday		Compound measures for density	Compound measures for pressure
		Tuesday		Compound measures for pressure	Converting between metric speed measures
		Wednesday		Converting between metric speed measures	Converting between metric and imperial speed measures
		Thursday	Converting between metric and imperial speed measures	Combining speeds	
		Friday	Combining speeds	Combining densities	
01/06/2026	A	Monday	<i>Reminder of Percentages and compound measure</i>	Checking and securing understanding of finding a percentage	Checking and securing understanding of percentage increase
		Tuesday		Checking and securing understanding of percentage increase	Checking and securing understanding of percentage decrease
		Wednesday		Checking and securing understanding of percentage decrease	Percentage profit and loss
		Thursday		Percentage profit and loss	Simple and compound interest
		Friday		Simple and compound interest	Simple interest calculations with technology

08/06/2026	B	Monday	<i>Working with data</i>	Simple interest calculations with technology	Compound interest calculations
		Tuesday		Compound interest calculations	Compound interest calculations with technology
		Wednesday		Compound interest calculations with technology	Problem solving with percentages
		Thursday		Problem solving with percentages	Percentage profit and loss
		Friday		Checking and further securing understanding of direct proportion in context	Compound measures for speed
15/06/2026	A	Monday		Compound measures for speed	Compound measures for density
		Tuesday		Compound measures for density	Compound measures for pressure
		Wednesday			
		Thursday		Checking understanding of scatter graphs	Checking understanding of correlation
		Friday		Checking understanding of correlation	Estimating from scatter graphs
22/06/2026	B	Monday	Estimating from scatter graphs	Interpolation versus extrapolation	
		Tuesday	Interpolation versus extrapolation	Outliers in scatter graphs	
		Wednesday	Outliers in scatter graphs	Constructing time series graphs	
		Thursday	Constructing time series graphs	Interpreting time series graphs	
		Friday	Interpreting time series graphs	Problem solving with scatter graphs and time series	
29/06/2025	A	Monday	Problem solving with scatter graphs and time series	Checking understanding of summary statistics from a list	
		Tuesday	Checking understanding of summary statistics from a list	Checking understanding of summary statistics from a frequency table	
		Wednesday	Checking understanding of summary statistics from a frequency table	Calculating summary statistics from a grouped frequency table	
		Thursday	Calculating summary statistics from a grouped frequency table	Calculating the mean from a grouped frequency table	
		Friday	Calculating the mean from a grouped frequency table	Constructing stem and leaf diagrams	
06/07/2026	B	Monday	Constructing stem and leaf diagrams	Calculating summary statistics from stem and leaf diagrams	
		Tuesday	Calculating summary statistics from stem and leaf diagrams	Checking understanding of measures of central tendency	
		Wednesday	Checking understanding of measures of central tendency	Comparing data sets in context	

		Thursday	Checking understanding of bar charts and pictograms	Checking understanding composite and bar-line charts
		Friday	Checking understanding composite and bar-line charts	Checking understanding of pie charts
13/07/2026	A	Monday	Checking understanding of pie charts	Comparing data sets in context
		Tuesday	Comparing data sets in context	Comparing various representations of data sets
		Wednesday	Comparing various representations of data sets	Problem solving with comparisons of numerical data
		Thursday	Checking understanding of scatter graphs	Checking understanding of correlation
		Friday	Checking understanding of correlation	Estimating from scatter graphs
20/07/2026	B	Monday	Estimating from scatter graphs	Interpolation versus extrapolation
		Tuesday	Interpolation versus extrapolation	Outliers in scatter graphs
		Wednesday	Outliers in scatter graphs	Constructing time series graphs