Remote Curriculum

Year 9 Mathematics: Sets 1 and 2

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**
22/04/2025	B	Tuesday	*Factors, multiples, primes, powers and roots*	Multiples and Factor Pairs / Identify Prime Numbers	Identify Prime Numbers / Prime Factor Decomposition
		Wednesday		Prime Factor Decomposition	Using Prime Factor Decomposition
		Thursday		Using Prime Factor Decomposition	Simple LCM and HCF
		Friday		Simple LCM and HCF	Finding the LCM
28/04/2025	A	Monday		Finding the LCM	Finding the HCF
		Tuesday		Finding the HCF	Applying LCM and HCF
		Wednesday		Applying LCM and HCF	Square and cube numbers
		Thursday		Square and cube numbers	Square roots and cube roots
		Friday		Square roots and cube roots	Higher powers
06/05/2025	B	Tuesday		Higher powers / Higher roots	Higher roots / Multiply powers
		Wednesday		Multiply powers	Divide powers
		Thursday		Divide powers	Powers of powers
		Friday		Powers of powers	Manipulating powers

12/05/2025	A	Monday	Indices and standard form	Manipulating powers	Multiples and Factor Pairs
		Tuesday		Checking and securing understanding of roots and integer indices	The laws of indices - multiplication
		Wednesday		The laws of indices - multiplication	The laws of indices - division
		Thursday		The laws of indices - division	The laws of indices - raising a power to a power
		Friday		The laws of indices - raising a power to a power	The laws of indices - negative and zero exponents
19/05/2025	B	Monday		The laws of indices - negative and zero exponents	Problem solving with the laws of indices
		Tuesday		Problem solving with the laws of indices	Checking and securing understanding of writing large numbers in standard form
		Wednesday		Checking and securing understanding of writing large numbers in standard form	Checking and securing understanding of writing small numbers in standard form
		Thursday		Checking and securing understanding of writing small numbers in standard form	Adding numbers in standard form
		Friday		Adding numbers in standard form	Subtracting numbers in standard form
02/06/2025	A	Monday	Indices and standard form	Subtracting numbers in standard form	Multiplying numbers in standard form
		Tuesday		Multiplying numbers in standard form	Dividing numbers in standard form
		Wednesday		Dividing numbers in standard form	Problem solving with standard form calculations
		Thursday		Problem solving with standard form calculations	Problem solving with the laws of indices
		Friday	Transformations	Checking understanding of congruence	Rotation
09/06/2025	B	Monday		Rotation	Translation
		Tuesday		Translation	Reflection
		Wednesday		Reflection	Enlargement
		Thursday		Enlargement	Enlargement- fractional scale factors
		Friday		Enlargement- fractional scale factors	Multiple transformations

16/06/2025	A	Monday	*Transformations*	Multiple transformations	Identifying multiple transformations
		Tuesday		Identifying multiple transformations	problem solving with transformations
		Wednesday	*Equation of a straight line*	Checking and securing understanding of plotting coordinates	Checking and securing understanding of plotting coordinates generated from a rule
		Thursday		Checking and securing understanding of plotting coordinates generated from a rule	Checking and securing understanding of plotting coordinates with technology
		Friday		Checking and securing understanding of plotting coordinates with technology	Checking and securing plotting a relationship
23/06/2025	B	Monday		Checking and securing plotting a relationship	Features of linear relationships
		Tuesday		Features of linear relationships	Defining features of linear relationships
		Wednesday		Defining features of linear relationships	Positive rate of change from a graph
		Thursday		Positive rate of change from a graph Negative rate of change from a graph	Negative rate of change from a graph Rate of change from a coordinate pair
30/06/2025	A	Monday		Rate of change from a coordinate pair	The intercept point
		Tuesday		The intercept point	The equation of a straight line
		Wednesday		The equation of a straight line	Finding the equation of the line y = mx + c
		Thursday		Finding the equation of the line y = mx + c	Finding the equation of the line ay + bx + c = 0
		Friday		Finding the equation of the line ay + bx + c = 0	Checking and securing understanding of plotting coordinates
14/07/2025	A	Monday	*Surds revision*	Identifying square factors to support simplifying surds	Simplifying surds
		Tuesday		Simplifying surds	Addition with surds
		Wednesday		Addition with surds	Multiplication of surds
		Thursday		Multiplication of surds	Applying the underlying structure of multiplication and division of surds
		Friday		Applying the underlying structure of multiplication and division of surds	The distributive law with surds