Remote Curriculum

Year 11 Maths

How it Works:

1. Find the column for your Maths set.
2. Find the correct week commencing row.
3. Find today`s day - There are up to 4 different lessons in each day – you won't run out of work.
4. Chose a lesson – hold ctrl and click the chosen link.
    a. If you don't recognise the work, it appears too difficult or it doesn't load:
        i. Try another task – look at the previous/next lesson or look at other days to find something familiar – You won't run out of work.
5. Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz (LSQ)
6. Complete any starter quizzes.
    a. Write your answer down
    b. Mark your answers and write down any corrections
7. Watch the videos and take notes.
8. Pause if/when instructed to do so to answer questions or respond.
9. Complete and go onto the next one.

Week Commencing	Week	Lesson	Sets 1 to 3 Higher **Hold ctrl and click**	Sets 4 and 5 Higher **Hold ctrl and click**	Sets 5 to 9 Foundation **Hold ctrl and click**
24/2/2025	B	Monday			
		Tuesday	1. Conditions of congruent triangles 2. Prove triangles are congruent	1. Substitute a positive into a formula 2. Substitute a negative into a formula	1. Finding missing exterior angles 2. Solving problems involving exterior angles
		Wednesday	1. Proof by counter example 2. Proof an expression will be a multiple	1. Substitute a negative into a formula 2. Change the subject of a formula	1. Solving problems involving exterior angles 2. Finding missing exterior angle of a polygon
		Thursday	1. Proof an expression will be a multiple 2. Consecutive number proofs	1. Change the subject of a formula 2. Changing the subject of a formula with squares and square roots	1. Finding missing exterior angle of a polygon 2. Finding the sum of the interior angles of a polygon
		Friday	1. Rationalising surds (part 1) 2. Rationalising surds (part 2)	1. Changing the subject of a formula with squares and square roots 2. Adding two algebraic fractions	1. Finding the sum of the interior angles of a polygon 2. Finding number of sides when given sum of interior angles

3/3/2025	A	Monday	1. Consecutive number proofs 2. Odd and even number proofs	1. Adding two algebraic fractions 2. Subtracting algebraic fractions	1. Finding number of sides when given sum of interior angles 2. Finding missing angles when polygons are joined
		Tuesday	1. Find a particular value of f(x) 2. Solve equations using f(x)=	1. Subtracting algebraic fractions 2. Solving algebraic fractions	1. Finding missing angles when polygons are joined 2. Write the equations of a straight line
		Wednesday	1. Solve equations using f(x)= 2. Composite functions	1. Solving algebraic fractions 2. Solving algebraic fractions with adding or subtracting	1. Write the equations of a straight line 2. Writing the equation of a line parallel to another line
		Thursday	1. Composite functions 2. Find inverse functions	1. Solving algebraic fractions with adding or subtracting 2. Add two surds	1. Writing the equation of a line parallel to another line 2. Find the equation of a line through two points
		Friday	1. Find inverse functions 2. Graphs of cubic functions	1. Add two surds 2. Subtract two surds	1. Find the equation of a line through two points 2. Interpret gradient and intercept
10/3/2025	B	Monday	1. Sketching graphs of cubics 2. Interpreting cubic graphs	1. Subtract two surds 2. Add two surds with simplifying	1. Interpret gradient and intercept 2. Translate and describe an object
		Tuesday	1. Interpreting cubic graphs 2. Graph of reciprocal function	1. Add two surds with simplifying 2. Multiply two surds and simplify	1. Translate and describe an object 2. Translate and describe a 2D vector
		Wednesday	1. Graph of reciprocal function 2. Knowing the trigonometric graphs	1. Multiply two surds and simplify 2. Multiplying two surds with coefficients	1. Translate and describe a 2D vector 2. Represent a column vector as a diagram
		Thursday	1. Knowing the trigonometric graphs 2. Graphs of exponential functions	1. Multiplying two surds with coefficients 2. Expanding single brackets with surds	1. Represent a column vector as a diagram 2. Write a column vector from a diagram
		Friday	1. Graphs of exponential functions 2. Transformations of graphs	1. Expanding single brackets with surds 2. Expanding double brackets with surds	1. Write a column vector from a diagram 2. Add two column vectors
17/3/2025	A	Monday	1. Transformations of graphs 2. Reflections of graphs	1. Expanding double brackets with surds 2. Rationalising surds (part 1)	1. Add two column vectors 2. Add and subtract two column vectors 3.
		Tuesday	1. Reflections of graphs 2. Estimate the gradient of a curve	1. Rationalising surds (part 1) 2. Rationalising surds (part 2)	1. Add and subtract two column vectors 2. Multiply a vector by a scalar

		Wednesday	1. Estimate the gradient of a curve 2. Estimate and interpret the gradient of a curve	1.Rationalising surds (part 2) 2.Solve linear simultaneous equations	1.Multiply a vector by a scalar 2.Add and subtract two column vectors part 2
		Thursday	1. Estimate and interpret the gradient of a curve 2. Find the area under a straight line	1.Solve linear simultaneous equations 2.Solve linear simultaneous equations where you have to multiply	1. Add and subtract two column vectors part 2 2. Use and apply the speed formula
		Friday	1. Find the area under a straight line 2. Estimate the area under a curve	1. Solve linear simultaneous equations where you have to multiply 2. Solve linear simultaneous equations, multiplying both	1. Use and apply the speed formula 2. Use and apply the density formula
24/3/2025	B	Monday	1.Estimate the area under a curve 2.Simple direct proportion	1. Solve linear simultaneous equations, multiplying both 2. Solve linear simultaneous equations, rearranging first	1. Use and apply the density formula 2. Use and apply the pressure formula
		Tuesday	1.Simple direct proportion 2.Other direct proportion relationships	1. Solve linear simultaneous equations, rearranging first 2. Translate and describe an object	1. Use and apply the pressure formula 2. Solve simple kinematic problems
		Wednesday	1.Other direct proportion relationships 2.Inverse proportion	1. Translate and describe an object 2. Represent a column vector as a diagram	1. Solve simple kinematic problems 2. Adding two numbers in standard form
		Thursday	1. Inverse proportion 2. Further proportionality	1. Represent a column vector as a diagram 2. Write a column vector from a diagram	1. Adding two numbers in standard form 2. Subtracting two numbers in standard form
		Friday	1. Further proportionality 2. Draw and recognise circle graphs	1. Write a column vector from a diagram 2. Add two column vectors	1. Subtracting two numbers in standard form 2. Multiplying two numbers in standard form
31/3/2025	A	Monday	1. Draw and recognise circle graphs 2. Whether a point lies in, on or outside a circle	1. Add two column vectors 2. Add and subtract two column vectors	1. Multiplying two numbers in standard form 2. Dividing two numbers in standard form
		Tuesday	1. Whether a point lies in, on or outside a circle 2. Intersection of lines and circles	1. Add and subtract two column vectors 2. Multiply a vector by a scalar	1. Dividing two numbers in standard form 2. Ratio and fractions
		Wednesday	1. Intersection of lines and circles	1. Multiply a vector by a scalar	1. Ratio and fractions 2. Compare the cost of two items

			2. Finding the equation of a tangent to a circle	2. Add and subtract two column vectors part 2	
		Thursday	1. Finding the equation of a tangent to a circle 2. Further proportionality	1. Add and subtract two column vectors part 2 2. Find the length of a column vector	1. Compare the cost of two items 2. Proportion problems
		Friday			