

Year 11 Foundation Support work

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn Term	<u>Algebra and linear graphs</u>			<u>3D representation and volume</u>		<u>Congruency and similarity</u>		<u>Rearranging formula</u>	<u>Quadratic equations and graphs</u>			<u>Simultaneous equations</u>		<u>How to revise for mock</u>
Spring Term	Mock exams		<u>collecting and representing data</u>	<u>Statistical measures</u>				<u>Transformations</u>	<u>Vectors</u>		<u>Direct and inverse proportion</u>			
Summer Term	<u>Growth and decay</u>		<u>Revision</u>		GCSE			GCSE						

Starter a day <https://corbettmaths.com/5-a-day/gcse/>

Select Numeracy, foundation or foundation plus option for the date

Autumn BLOCK 1	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Working with co-ordinates	https://vle.mathswatch.co.uk/vle/browse/161	https://vle.mathswatch.co.uk/vle/browse/161/practice	https://corbettmaths.com/wp-content/uploads/2018/09/Coordinates-pdf.pdf
Problem solving co-ordinates	https://vle.mathswatch.co.uk/vle/browse/271	https://vle.mathswatch.co.uk/vle/browse/271/practice	
Midpoint co-ordinates	https://vle.mathswatch.co.uk/vle/browse/294	https://vle.mathswatch.co.uk/vle/browse/294/practice	https://corbettmaths.com/wp-content/uploads/2019/04/Midpoint-of-a-Line.pdf
Plot linear graphs	https://vle.mathswatch.co.uk/vle/browse/254	https://vle.mathswatch.co.uk/vle/browse/254/practice	https://corbettmaths.com/wp-content/uploads/2019/01/Drawing-Linear-Graphs.pdf

Autumn BLOCK 1	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Recognise parallel lines	https://corbettmaths.com/2013/06/06/graphs-parallel-lines/		https://corbettmaths.com/wp-content/uploads/2013/02/parallel-and-perpendicular-graphs-pdf.pdf
Gradients and intercepts	https://vle.mathswatch.co.uk/vle/browse/255	https://vle.mathswatch.co.uk/vle/browse/255/practice	https://corbettmaths.com/wp-content/uploads/2018/12/Gradient-pdf.pdf
Equation of a line	https://vle.mathswatch.co.uk/vle/browse/325 https://vle.mathswatch.co.uk/vle/browse/326	https://vle.mathswatch.co.uk/vle/browse/325/practice https://vle.mathswatch.co.uk/vle/browse/326/practice	https://corbettmaths.com/wp-content/uploads/2020/07/Equation-of-a-Line.pdf
Using a graph to solve linear equations	https://vle.mathswatch.co.uk/vle/browse/303	https://vle.mathswatch.co.uk/vle/browse/303/practice	https://corbettmaths.com/wp-content/uploads/2021/09/Graphical-Simultaneous.pdf

Autumn BLOCK 2	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Plans and elevations	https://vle.mathswatch.co.uk/vle/browse/207	https://vle.mathswatch.co.uk/vle/browse/207/practice	https://corbettmaths.com/2019/09/09/views-and-elevations-practice-questions/
Volume of cuboids and other prisms	https://vle.mathswatch.co.uk/vle/browse/274 https://vle.mathswatch.co.uk/vle/browse/278	https://vle.mathswatch.co.uk/vle/browse/274/practice https://vle.mathswatch.co.uk/vle/browse/278/practice	https://corbettmaths.com/wp-content/uploads/2013/02/volume-of-a-cuboid-pdf1.pdf https://corbettmaths.com/wp-content/uploads/2013/02/volume-of-a-prism-pdf1.pdf https://corbettmaths.com/wp-content/uploads/2013/02/volume-of-a-cylinder-pdf1.pdf
Volume of pyramids, cones and spheres	https://vle.mathswatch.co.uk/vle/browse/337 https://vle.mathswatch.co.uk/vle/browse/338 https://vle.mathswatch.co.uk/vle/browse/336	https://vle.mathswatch.co.uk/vle/browse/337/practice https://vle.mathswatch.co.uk/vle/browse/338 https://vle.mathswatch.co.uk/vle/browse/336/practice	https://corbettmaths.com/wp-content/uploads/2021/09/Volume-of-a-Pyramid-pdf.pdf https://corbettmaths.com/wp-content/uploads/2013/02/volume-of-a-cone-pdf2.pdf https://corbettmaths.com/wp-content/uploads/2013/02/volume-of-a-sphere-pdf1.pdf




Autumn BLOCK 3	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Similar shapes	https://vle.mathswatch.co.uk/vle/browse/307	https://vle.mathswatch.co.uk/vle/browse/307/practice	https://corbettmaths.com/wp-content/uploads/2021/09/Similar-Shapes-Textbook.pdf
Similarity – Area and volume	https://vle.mathswatch.co.uk/vle/browse/370	https://vle.mathswatch.co.uk/vle/browse/370/practice	https://corbettmaths.com/wp-content/uploads/2021/10/Similar-Shapes-Area-Volume-1.pdf
Congruent shapes	https://vle.mathswatch.co.uk/vle/browse/166 https://vle.mathswatch.co.uk/vle/browse/333	https://vle.mathswatch.co.uk/vle/browse/166/practice https://vle.mathswatch.co.uk/vle/browse/333/practice	https://corbettmaths.com/wp-content/uploads/2019/02/Congruent-Shapes-Textbook.pdf https://corbettmaths.com/wp-content/uploads/2019/02/Congruent-Triangles-pdf.pdf

Autumn BLOCK 4	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Expand 2 brackets	https://vle.mathswatch.co.uk/vle/browse/296	https://vle.mathswatch.co.uk/vle/browse/296/practice	https://corbettmaths.com/wp-content/uploads/2013/02/expanding-two-brackets-pdf2.pdf
Factorise a quadratic	https://vle.mathswatch.co.uk/vle/browse/323	https://vle.mathswatch.co.uk/vle/browse/323/practice	https://corbettmaths.com/wp-content/uploads/2018/09/Factorising-Quadratics-pdf.pdf
Completing the square	https://vle.mathswatch.co.uk/vle/browse/381	https://vle.mathswatch.co.uk/vle/browse/381/practice	https://corbettmaths.com/wp-content/uploads/2013/02/solving-using-completing-the-square-pdf.pdf

Autumn BLOCK 4	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Simplifying expressions involving sums, products and powers, including the laws of indices	https://vle.mathswatch.co.uk/vle/browse/188 https://vle.mathswatch.co.uk/vle/browse/189 https://vle.mathswatch.co.uk/vle/browse/190	https://vle.mathswatch.co.uk/vle/browse/188/practice https://vle.mathswatch.co.uk/vle/browse/189/practice https://vle.mathswatch.co.uk/vle/browse/190/practice	https://corbettmaths.com/wp-content/uploads/2013/02/collecting-like-terms-pdf3.pdf https://corbettmaths.com/wp-content/uploads/2013/02/multiplying-terms-pdf1.pdfv https://corbettmaths.com/wp-content/uploads/2013/02/dividing-terms-pdf1.pdf https://corbettmaths.com/wp-content/uploads/2013/02/laws-of-indices-pdf.pdf
Rearrange formulae to change the subject	https://vle.mathswatch.co.uk/vle/browse/299	https://vle.mathswatch.co.uk/vle/browse/299/practice	https://corbettmaths.com/wp-content/uploads/2013/02/changing-the-subject-pdf1.pdf
Know the difference between an equation and an identity	https://www.youtube.com/watch?v=M89lTUQBtTo		
Interpret simple expressions as functions with inputs and outputs	https://vle.mathswatch.co.uk/vle/browse/191	https://vle.mathswatch.co.uk/vle/browse/191/practice	https://corbettmaths.com/wp-content/uploads/2019/02/Function-Machines.pdf

Autumn BLOCK 5	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Solve a quadratic by factorising	https://vle.mathswatch.co.uk/vle/browse/323	https://vle.mathswatch.co.uk/vle/browse/323/practice	https://corbettmaths.com/wp-content/uploads/2013/02/solving-quadratics-by-factorising-1-pdf.pdf
Plot a quadratic graph	https://vle.mathswatch.co.uk/vle/browse/256	https://vle.mathswatch.co.uk/vle/browse/256/practice	https://corbettmaths.com/wp-content/uploads/2019/06/Drawing-Quadratics.pdf
Solve a quadratic from a graph			https://corbettmaths.com/wp-content/uploads/2019/01/Solving-Quadratics-Graphically-pdf-1.pdf
Roots and turning points of quadratic graphs	https://vle.mathswatch.co.uk/vle/browse/327	https://vle.mathswatch.co.uk/vle/browse/327/practice	https://corbettmaths.com/wp-content/uploads/2019/04/Sketching-Quadratics.pdf

Autumn BLOCK 6	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Solve 2 linear simultaneous equations algebraically	https://vle.mathswatch.co.uk/vle/browse/329	https://vle.mathswatch.co.uk/vle/browse/329/practice	https://corbettmaths.com/wp-content/uploads/2019/04/Simultaneous-Equations.pdf
Solve simultaneous equations on a graph	https://vle.mathswatch.co.uk/vle/browse/303	https://vle.mathswatch.co.uk/vle/browse/303/practice	https://corbettmaths.com/wp-content/uploads/2021/09/Graphical-Simultaneous.pdf

Autumn BLOCK 7	Mathswatch Video	Mathswatch Online questions	Corbett Maths
<p>How to revise for a GCSE exam</p>    	<p>Maths is all about DOING and PRACTICING</p> <ol style="list-style-type: none"> 1. Identify where your gaps are: Use practice papers* and classwork to note any area you need to revise. 2. On MATHSWATCH watch the video for that topic and make notes/ flashcards. 3. Practice the skill or MATHSWATCH interactive questions, DR FROST key skills, CORBETT MATHS exam practice questions, MATHS GENIE exam practice questions. <p>Identify a new topic and repeat 1-3</p> <p>*Practice papers can be found</p> <ul style="list-style-type: none"> • Corbett maths Practice papers https://corbettmaths.com/2023/08/01/gcse-revision/ • Onmaths maths Predicted papers https://www.onmaths.com/ • AQA exam board website www.aqa.org.uk/find-past-papers-and-mark-schemes <p>Log in details Mathswatch: U: your school email address P: changeyourpassword Dr Frost: U: your school email address P: Password1</p>		

Spring BLOCK 8	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Types of data	https://corbettmaths.com/2013/04/20/quantitative-and-qualitative-data/ https://vle.mathswatch.co.uk/vle/browse/219 https://corbettmaths.com/2019/01/04/primary-secondary-data/	https://vle.mathswatch.co.uk/vle/browse/219/practice	https://corbettmaths.com/wp-content/uploads/2019/01/Qualitative-Quantitative-Data-pdf.pdf https://corbettmaths.com/wp-content/uploads/2019/01/Continuous-Discrete-pdf.pdf https://corbettmaths.com/wp-content/uploads/2019/01/Primary-Secondary-Data-pdf.pdf
Frequency table and diagram	https://vle.mathswatch.co.uk/vle/browse/221	https://vle.mathswatch.co.uk/vle/browse/221/practice	
Bar charts	https://vle.mathswatch.co.uk/vle/browse/169	https://vle.mathswatch.co.uk/vle/browse/169/practice	https://corbettmaths.com/wp-content/uploads/2019/02/Bar-Charts.pdf https://corbettmaths.com/wp-content/uploads/2018/12/Reading-Bar-Charts.pdf
Pie Charts	https://vle.mathswatch.co.uk/vle/browse/288	https://vle.mathswatch.co.uk/vle/browse/288/practice	https://corbettmaths.com/wp-content/uploads/2019/01/Drawing-Pie-Charts.pdf https://corbettmaths.com/wp-content/uploads/2018/09/Pie-Charts-pdf.pdf
Time series	https://vle.mathswatch.co.uk/vle/browse/319	https://vle.mathswatch.co.uk/vle/browse/319/practice	https://corbettmaths.com/wp-content/uploads/2019/01/Line-Graphs-pdf.pdf
Scatter graphs and correlation	https://vle.mathswatch.co.uk/vle/browse/289	https://vle.mathswatch.co.uk/vle/browse/289/practice	https://corbettmaths.com/wp-content/uploads/2019/01/Scatter-Graphs-1.pdf

Spring BLOCK 9	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Central tendencies – Average	https://vle.mathswatch.co.uk/vle/browse/218 https://vle.mathswatch.co.uk/vle/browse/290 https://vle.mathswatch.co.uk/vle/browse/291	https://vle.mathswatch.co.uk/vle/browse/218/practice https://vle.mathswatch.co.uk/vle/browse/290/practice https://vle.mathswatch.co.uk/vle/browse/291/practice	https://corbettmaths.com/wp-content/uploads/2013/02/averages-and-range-pdf2.pdf https://corbettmaths.com/wp-content/uploads/2018/09/Median-from-a-Frequency-Table-pdf.pdf https://corbettmaths.com/wp-content/uploads/2018/09/Linear-Interpolation-pdf.pdf https://corbettmaths.com/wp-content/uploads/2013/02/mean-from-a-frequency-table-pdf3.pdf https://corbettmaths.com/wp-content/uploads/2018/09/Estimated-Mean-pdf.pdf
Spread and consistency – Range and interquartile range	https://corbettmaths.com/2012/08/02/the-range-video/ https://corbettmaths.com/2021/11/18/quartiles-video/		https://corbettmaths.com/wp-content/uploads/2023/09/Quartiles.pdf

Spring BLOCK 10	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Reflections	https://vle.mathswatch.co.uk/vle/browse/204	https://vle.mathswatch.co.uk/vle/browse/204/practice	https://corbettmaths.com/wp-content/uploads/2013/02/reflections-pdf1.pdf
Rotations	https://vle.mathswatch.co.uk/vle/browse/205	https://vle.mathswatch.co.uk/vle/browse/205/practice	https://corbettmaths.com/wp-content/uploads/2013/02/rotations.pdf
Translations	https://vle.mathswatch.co.uk/vle/browse/206	https://vle.mathswatch.co.uk/vle/browse/206/practice	https://corbettmaths.com/wp-content/uploads/2013/02/translations-pdf1.pdf
Enlargements	https://vle.mathswatch.co.uk/vle/browse/312 https://vle.mathswatch.co.uk/vle/browse/348	https://vle.mathswatch.co.uk/vle/browse/312/practice https://vle.mathswatch.co.uk/vle/browse/348/practice	https://corbettmaths.com/wp-content/uploads/2019/01/Enlargements-pdf.pdf https://corbettmaths.com/wp-content/uploads/2019/03/Enlargements-with-Centre-of-Enlargement-pdf.pdf https://corbettmaths.com/wp-content/uploads/2019/02/Enlargements-Fractional-sf.pdf
Combined transformations	https://vle.mathswatch.co.uk/vle/browse/350	https://vle.mathswatch.co.uk/vle/browse/350/practice	
Invariant point	https://corbettmaths.com/2019/02/04/invariant-points-video/		https://corbettmaths.com/wp-content/uploads/2019/02/Invariant-Points-1.pdf

Spring BLOCK 11	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Column vector calculations	https://vle.mathswatch.co.uk/vle/browse/341	https://vle.mathswatch.co.uk/vle/browse/341/practice	https://corbettmaths.com/wp-content/uploads/2020/06/Column-Vectors.pdf
Vector geometry	https://vle.mathswatch.co.uk/vle/browse/395	https://vle.mathswatch.co.uk/vle/browse/395/practice	https://corbettmaths.com/wp-content/uploads/2013/02/vectors-pdf.pdf

Spring BLOCK 12	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Direct proportion (algebraically and graphically)	https://vle.mathswatch.co.uk/vle/browse/369	https://vle.mathswatch.co.uk/vle/browse/369/practice	https://corbettmaths.com/wp-content/uploads/2019/03/Proportion-Direct-and-Inverse.pdf
Inverse proportion (algebraically and graphically)			

Summer BLOCK 13	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Compound interest and depreciation	https://vle.mathswatch.co.uk/vle/browse/331	https://vle.mathswatch.co.uk/vle/browse/331/practice	https://corbettmaths.com/wp-content/uploads/2019/09/Compound-Interest-pdf-1.pdf