

Curriculum Sequencing Overview – Year 11 Foundation

Unit 1								
Week	1	2	3	4	5	6	7	8
Date wb	05/09/22	12/09/22	19/09/22	26/09/22	03/10/22	10/10/22	31/10/22	08/11/22
Key dates					Year 11 Assessment Week			
Big ideas (key concepts)	Quadratic equations: graphs	Circles, cylinders, cones and spheres		Revision, assessment, and feedback	Fractions and reciprocals	Indices and standard form	Revision, assessment, and feedback	Similarity and congruence in 2D
Lesson topics sequence	Generate points and plot graphs of quadratic functions Identify the line of symmetry of a quadratic graph Find approximate solutions to quadratic equations using a graph Interpret graphs of quadratic functions from real-life problems Identify and interpret roots, intercepts and turning points of quadratic graphs	Identify, name and draw parts of a circle Recall and use formulae to calculate the circumference of a circle and the area of a circle Use $\pi \approx 3.142$ or use the π button on a calculator Give an answer in terms of π Find radius or diameter, given area or perimeter of a circle Find the perimeters and areas of semicircles and quarter-circles Calculate perimeters and areas of composite shapes made from circles and parts of circles Calculate arc lengths, angles and areas of sectors of circles Find the volume and surface area of a cylinder, sphere, pyramid, cone and composite solid			Add and subtract mixed number fractions Multiply and divide mixed number fractions Find the reciprocal of an integer, decimal or fraction Understand 'reciprocal' as multiplicative inverse	Use index laws to simplify and calculate the value of numerical expressions Convert large and small numbers into standard form and vice versa Add, subtract, multiply and divide numbers in standard form Interpret a calculator display using standard form and know how to enter numbers in standard form		Use the basic congruence criteria for triangles Solve angle problems involving congruence Identify shapes which are similar Understand similarity of triangles and of other plane shapes, use this to make geometric inferences, and solve angle problems using similarity
Key assessments				Unit 17 assessment			Unit 18 assessment	Unit 1 KA

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Homework	1 x Half Paper Set 2A Paper 3F Calculator Foundation Half Papers	1 x Half Paper Set 2B Paper 1F Non -Calculator Foundation Half Papers	1 x Half Paper Set 2B Paper 2F Calculator Foundation Half Papers	1 x Half Paper Set 2B Paper 3F Calculator Foundation Half Papers	1 x Half Paper Set 3A Paper 1F Non - Calculator Foundation Half Papers	1 x Half Paper Set 3A Paper 2F Calculator Foundation Half Papers	1 x Half Paper Set 3A Paper 3F Calculator Foundation Half Papers	1 x Half Paper Set 3B Paper 1F Non -Calculator Foundation Half Papers
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