

Curriculum Sequencing Overview – Maths Year 8

Unit 4								
Week	1	2	3	4	5	6	7	8
Date wb	27/03/23	17/04/23	24/04/23	01/05/23	08/05/23	15/05/23	22/05/22	05/06/23
Key dates	Unit 3 KA date due							
Big ideas (key concepts)	Shape, capacity and volume			Revision, assessment, and feedback	Proportion		Constructions	Similarity and congruence
Lesson topics sequence	Identify faces, vertices and edges of a 3D shape Calculate the volume of a given cuboid Know and convert between measurements for volume and capacity Understand the properties of a prism, identify and name them Calculate the volume of any prism Solve problems involving the volume of prisms Work backwards from a given volume of a prism to find other dimensions Calculate the volume of compound prisms including where volumes are subtracting				Recap the concept of a unit ratio Write ratios in the form of 1:n and n:1 Combine two or more ratios by finding common multiples Use unitary method for solving simple proportion problems Apply ratio to be able to solve problems involving scales and maps. Apply ratio to be able to solve recipe problems		Find the loci points which are equidistant from a fixed point or line Find the loci points which are equidistant from two fixed points Find the shortest route from a point to a line Find the loci of points which bisect and angle between two lines Solve simple problems combining different loci and constructions Construct triangles given different combinations of sides and angles	Use correct symbols and notations for describing properties of shapes Perform and describe translations, rotations, reflections of shapes Understand the term congruence and identify congruent shapes
Key assessments				End of unit assessment				Unit 4 KA
Homework	1-page self-quizzing, unit 4	1-page self-quizzing, unit 4 3D shapes 7 – 12	1-page self-quizzing, unit 4 Capacity and volume 1 – 3	1-page self-quizzing, unit 4 Proportion 1 – 4	1-page self-quizzing, unit 4 Proportion 5 – 8 Hegarty task 339	1-page self-quizzing, unit 4 Construction and loci 1 – 5 Hegarty task	1-page self-quizzing, unit 4 Construction and loci 6 – 10 Hegarty task 660	1-page self-quizzing, unit 4 3D shapes 1 – 6 Hegarty task 680



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	3D shapes 1 – 6 Hegarty task 829	Hegarty task 570	Hegarty task 571	Hegarty task 699		740		
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