

Maths

Year 10 Higher

Autumn 1

Week	Unit	Learning Objective	Resources	Assessment
1	Area and Volume	Area and Circumference of Circles Recap	Hegarty Maths	Weekly Progress Checks and Xmas Assessment
		Arc Length and Perimeter		
		Area of Sectors		
2	Area and Volume	Arc Lengths and angles at centre		
		Arc Lengths and angles at centre		
		Sectors of Circles Problem Solving		
		Volume of Cylinders and Spheres		
3	Area and Volume	Surface area of Cylinders and Spheres		
		Cylinders and Spheres Problem Solving		
		Volume of Pyramids and Cones		
		Surface Area of Pyramids and Cones		
4	Transformations and Constructions	Plans and Elevations		
		Reflections in horizontal and vertical lines		
		Describe reflections		
5	Transformations and Constructions	Drawing Rotations		
		Describing Rotations		
		Enlargement Positive SF		
		Enlargement Fractional SF		
6	Transformations and Constructions	Enlargement Negative SF		
		Describing Enlargements		
		Translations		
		Combination of transformations		
7	Transformations and Constructions	Draw and use scales on maps		
		Using and applying bearings		
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		Construct triangles SAS, ASA		
8	Transformations and Constructions	Construct triangles SSS		
		Bisectors		
		Draw a locus		
		Loci Problem Solving		

