

	Subject: Mathematics		
Theme / Area Covered	Shape 4 End Points		
	Age Related Targets – Year 7	Age Related Targets – Year 8	Age Related Targets – Year 9
Key Objectives / Learning Pathway Emerging	Calculate perimeter of 2D shapes Calculate the perimeter of composite shapes	Recognise that shapes with the same areas can have different perimeters Calculate the area of squares and rectangles Calculate the area of a triangle Calculate the area of compound shapes made up of squares and rectangles	Calculate the area of a parallelogram Calculate the area of a trapezium Calculate the area of a circle Find the surface area of cubes and cuboids
Key Objectives / Learning Pathway Developing	Recognise that shapes with the same areas can have different perimeters Calculate the area of squares and rectangles Calculate the area of a triangle Calculate the area of compound shapes made up of squares and rectangles	Calculate the area of a parallelogram Calculate the area of a trapezium Calculate the area of a circle Find the surface area of cubes and cuboids	Calculate the volume of cubes and cuboids Calculate the volume of a prism Calculate the volume of a cylinder Calculate the circumference of a circle when radius and diameter is given Calculate the area of a circle when radius or diameter is given Calculate the area of composite shapes where some side lengths are unknown
Key Objectives / Learning Pathway Mastering	Calculate the area of a parallelogram Calculate the area of a trapezium Calculate the area of a circle Find the surface area of cubes and cuboids	Calculate the volume of cubes and cuboids Calculate the volume of a prism Calculate the volume of a cylinder Calculate the circumference of a circle when radius and diameter is given Calculate the area of a circle when radius or diameter is given Calculate the area of composite shapes where some side lengths are unknown	Calculate the area of composite shapes that include simple fractions of a circle Calculate the perimeter of composite shapes that include sections of a circle
Key Objectives / Learning Pathway Excelling	Calculate the volume of cubes and cuboids Calculate the volume of a prism Calculate the volume of a cylinder Calculate the circumference of a circle when radius and diameter is given	Calculate the area of composite shapes that include simple fractions of a circle Calculate the perimeter of composite shapes that include sections of a circle	Compare lengths, areas and volumes using ratio notation Calculate the volume of a compound shape

	Calculate the area of a circle when radius or diameter is given Calculate the area of composite shapes where some side lengths are unknown		
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