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| | Subject: Mathematics | | |
| Theme / Area Covered | Shape 1 End Points | | |
| | Age Related Targets – Year 7 | Age Related Targets – Year 8 | Age Related Targets – Year 9 |
| Key Objectives / Learning Pathway Emerging | Recognise and name a range of quadrilaterals and triangles. Recognise and name a range of regular polygons. Use a ruler to draw a line of a given length accurately. Identify lines of reflective symmetry. | Recognise and name a range of 3D shapes from their properties using mathematical vocabulary. Identify rotational symmetry. Accurately construct rectangles from given lengths. Calculate the perimeter of 2D shapes with all sides given. | Identify right-angled, equilateral, scalene and isosceles triangles from their properties. Construct triangles given the length of all sides. Identify the radius and diameter of a circle. Calculate the perimeter of 2D shapes with missing sides (excluding circles). |
| Key Objectives / Learning Pathway Developing | Recognise and name a range of 3D shapes from their properties using mathematical vocabulary. Identify rotational symmetry. Accurately construct rectangles from given lengths. Calculate the perimeter of 2D shapes with all sides given. | Identify right-angled, equilateral, scalene and isosceles triangles from their properties. Construct triangles given the length of all sides. Identify the radius and diameter of a circle. Calculate the perimeter of 2D shapes with missing sides (excluding circles). | Identify the circumference, arc and sector of a circle. Construct circles given a radius or diameter. |
| Key Objectives / Learning Pathway Securing | Identify right-angled, equilateral, scalene and isosceles triangles from their properties. Construct triangles given the length of all sides. Identify the radius and diameter of a circle. Calculate the perimeter of 2D shapes with missing sides (excluding circles). | Identify the circumference, arc and sector of a circle. Construct circles given a radius or diameter. | Construct quadrilaterals including rhombii and parallelograms accurately given side lengths and perpendicular height. |
| Key Objectives / Learning Pathway Excelling | Identify the circumference, arc and sector of a circle. Construct circles given a radius or diameter. | Construct quadrilaterals including rhombii and parallelograms accurately given side lengths and perpendicular height. | Construct a locus of points a given distance from a given point. Construct a locus points a given distance from a given line. |