

GEOMETRY AND MEASUREMENT UNIT PLAN LEVEL 3

Room:

Teacher:

Length of unit:

Achievement objective	Specific Learning Intention	Teaching	Activity sheet
<p>Measurement</p> <ul style="list-style-type: none"> • Solve practical problems using linear scales and whole numbers of standard (including metric) units for length, area, volume (capacity), weight (mass); angle, temperature and time. • Find areas and volumes, from arrays of squares and cubes, using multiplication. 	<p>LENGTH, PERIMETER AND AREA</p> <ul style="list-style-type: none"> • I am learning how many centimetres there are in 1 metre • I am learning how to use a ruler to measure an object in centimetres • I am learning to measure the perimeter of a shape • I am learning to measure the area of rectangles <p>MASS</p> <ul style="list-style-type: none"> • I am learning how heavy a gram is and how many grams there are in 1kg • I am learning how to measure an object's weight in grams and kilograms <p>VOLUME</p> <ul style="list-style-type: none"> • I am learning what a millilitre is and how many millilitres there are in a litre • I am learning how to measure volume in litres and millilitres <p>TURNS</p> <ul style="list-style-type: none"> • I am learning what we use degrees to measure and what they are • I am learning what 360, 180 and 90 degree turns are <p>TIME</p> <ul style="list-style-type: none"> • I am learning what we use hours to measure and how long an hour is • I am learning to read analogue clocks (minutes past and minutes to) 	<p>Pg14 Pg15 Pg15 Pg16 Pg16 Pg17 Pg18 Pg19 Pg19 Pg20 Pg21 Pg22</p>	<p>Pg65 Pg66 Pg67 Pg68 Pg69 Pg70 Pg71 Pg72 Pg73 Pg74 Pg75 Pg76</p>
<p>Shapes and Space</p> <ul style="list-style-type: none"> • Define plane shapes, prisms, pyramids, cones and spheres by their special features. • Represent objects with drawings and models. 	<ul style="list-style-type: none"> • I am learning to describe angles using the words acute, obtuse and reflective • I am learning that knowing how many degrees there are in a circle can help me work out missing angles along a straight line • I am learning to describe more complicated 2-D shapes (hexagon, triangle, ellipse, decagon, heptagon, circle, octagon, rectangle, parallelogram, nonagon, pentagon, square) • I am learning to makes nets of simple 3-D shapes • I am learning to describe more complicated 3-D shapes (cylinder, cube, cone, cuboid, sphere, triangular prism) • I am learning to draw three dimensional shapes on isometric paper 	<p>Pg23 Pg24 Pg25 Pg33 Pg36</p>	<p>Pg77 Pg78 Pg79 & Pg80 Pg81 Pg82</p>

		Pg37	Pg83
Position and Orientation • Create and use rectangular and rotational based co-ordinate systems to specify locations and describe paths.	<ul style="list-style-type: none"> I am learning to draw and interpret locus paths I am learning how to use scales on a map 	Pg40 Pg41	Pg84 Pg85
Transformation • Describe the transformation (reflection, rotation, translation, or enlargement) that has mapped one object onto another.	<ul style="list-style-type: none"> I am learning to translate shapes I am learning to enlarge shapes by scale factors of less than 1 	Pg42 Pg43	Pg86 Pg87

Student's ability based groups:

Students requiring extension:

Students at risk:

Teacher reflection on unit:

Other information:

