



					<p>Visualise 3-D objects from 2-D drawings</p> <p>Investigate and describe the relationships between 2D and 3D shapes</p> <p>Recognise horizontal and vertical lines</p>	<p>Create and model how a 2D net converts into a 3D shape and vice versa</p> <p>Explore and describe 2D shapes in terms of lines (parallel, perpendicular, diagonal)</p>	<p>Create and model how a 2D net converts into a 3D shape and vice versa</p> <p>Describes and constructs different types of lines</p>	<p>Constructs simple prisms and pyramids</p> <p>Use a set square and ruler to draw shapes with perpendicular or parallel sides</p>	
			<p>Identify examples of symmetry in the environment</p> <p>Identify and draw lines of symmetry in shapes and patterns</p>	<p>Create and describe symmetrical patterns</p> <p>Identify and draw lines of reflective symmetry</p>	<p>Create symmetrical patterns, including tessellation</p>	<p>Complete patterns with up to two lines of symmetry; draw the position of a shape after a reflection or translation</p> <p>Identify lines and axes of reflective and rotational symmetry</p>	<p>Visualise and draw on grids of different types where a shape will be after reflection, after translations, or after rotation through <math>90^\circ</math> or <math>180^\circ</math> about its centre or one of its vertices</p>		
					<p>Can transform, reduce and enlarge shapes</p> <p>Describe and model congruency and similarity in 2D shapes</p>	<p>Identify and use scale (ratios) to enlarge and reduce shapes</p> <p>Apply knowledge of transformations to problem-solving situations.</p>	<p>Find a new scale (ratios) to enlarge and reduce shapes</p> <p>Investigate combinations of translations, reflections and rotations</p>	<p>Describe translations, reflections in an axis and rotations of multiples of <math>90^\circ</math> using coordinates, identify line and rotational symmetry</p>	

Location

<p>Develop an understanding and begin to use simple vocabulary to describe position, for example, in, out, on, under, up, down</p>	<p>Develop an understanding and begin to use simple vocabulary to describe position, direction and movement, for example, inside, outside, above, below, next to, behind, in front of, up, down</p> <p>Can follow and give simple directions, describing paths, regions, positions and boundaries of their immediate environment.</p>	<p>Understand and use positional and directional vocabulary in a practical context, for example, inside, outside, above, below, next to, behind, in front of, up, down</p>	<p>Recognise and use mathematical vocabulary to describe position for example, left, right, forwards, backwards, clockwise and anti-clockwise</p> <p>Understand, use and read directional vocabulary to describe paths, regions, positions and boundaries within their immediate environment.</p>	<p>Investigate angles by comparing and describing rotations: whole turn; half turn; quarter turn; north, south, east and west <b>on a compass</b></p> <p>Interpret and create simple directions, describing paths, regions, positions and boundaries of their immediate environment using grid maps</p>	<p>Use the eight compass points to describe direction</p> <p>Describe and identify the position of a square on a grid of squares</p>	<p>Describes direction on a grid using coordinates and appropriate directional language</p> <p>Locate features on a grid using coordinates in two quadrants</p>	<p>Use the language and notation of bearing to describe position</p> <p>Locate features on a grid using coordinates in all four quadrants</p>	<p>-</p>
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