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| Term | Week: | | | **Maths Weekly Planning Sheet**  **Geometry –** *Shape Classification / Position & Orientation / Transformation* | | | | | | | | | | |
| **Achievement Objectives** | | | | | | | | | | | | | | |
| **Level 1** | | | | | | | | | **Level 2** | | | | | |
| **Year 1**  **Level 1 – Emergent – Stage 1 & 2** | | | | | **Year 2**  **Level 1 – Stage 3 & 4** | | | | **Year 3 & 4**  **Level 2 – Stage 4 & 5 AC - EA** | | | **Extension**  **Level 3 – Stage 5 & 6 EA - AA** | | |
| **Yr 1**  **Shape**  Sort objects & shapes by a single feature & describe the feature, using everyday language.  **Position & Orientation**  Represent reflections & translations by creating patterns.  **Transformation**  Describe personal locations & give directions, using everyday language. | | | | | **Yr 2**  **Shape**  Sort objects & shapes by different features & describe the features, using mathematical language.  **Position & Orientation**  Describe personal locations & give directions, using steps, & half or quarter turns.  **Transformation**  Represent reflections & translations by creating & describing patterns. | | | | **Yr 3**  **Shape**  Sort objects & 2 or 3-dimensional shapes by their features, identifying categories within categories.  **Position & Orientation**  Describe personal locations & give directions, using whole number measures & half or quarter turns.  **Transformation**  Represent reflections, translations & rotations by creating & describing patterns. | | | **Yr 4**  **Shape**  Sort objects & 2 or 3-dimensional shapes by two features simultaneously.  Create nets for cubes.  **Position & Orientation**  Describe personal locations & give directions, using simple maps.  **Transformation**  Represent & describe the symmetries of a shape. | | |
| **Year 1** | | | | | **Year 2** | | | | **Year 3** | | | **Year 4** | | |
| **Shape**   * Describe 2 & 3 -D shapes using their own language. * Classify everyday objects according to shape attributes. * Describe a shape through the sense of touch. * Recognise shapes in the environment. * Recognise shapes in a picture.   **Position & Orientation**   * Discuss the position of objects in relation to each other. * Follow directions. * Move their body in a quarter or half turn.   **Transformation**   * Makes patterns using shapes. * Repeat a pattern to make a repeating pattern. | | | | | **Shape**   * Recognise the attributes of each shape * Guess a shape from its description.   **Position & Orientation**   * Give directions using appropriate vocabulary. * Use four points on a compass.   **Transformation**   * Makes a symmetrical pattern. * Discuss the difference between a repeating pattern & a symmetrical pattern. * Show the line of symmetry in a symmetrical shape / pattern. * Rotate an object a quarter or half turn & discuss the change of view. * Explore tessellating. | | | | **Shape**   * Draw 2-D shapes. * Recognise & draw 3-D shapes. * Sort shapes according to attributes. * Make a net of a simple shape. * Make models using cardboard boxes & playdough. * Discuss the net of a shape by taking cardboard boxes apart.   **Position & Orientation**   * Follow a path. * Follow a sequence of directions * Move objects & self in a clockwise & anti-clockwise direction.   **Transformation**   * Change the position of a shape/object by sliding, flipping or turning. * Build turn & repeat patterns. * Make geometric patterns. * Cover specified surfaces with regular shapes. * Record the results of turning a shape over & around. | | | **Shape**   * Recognise, draw & build 3-D shapes. * Draw nets * Understand the different views of an object. * Enlarge shapes using a grid. * Explore tangrams.   **Position & Orientation**   * Use compass directions * Give a sequence of directions using appropriate vocabulary.   **Transformation**   * Recognise & show translation, rotational, & reflection symmetry. * Make symmetrical patterns showing the line or lines of symmetry. | | |
| **Vocabulary – Level 1** | | | | | | | | **Vocabulary – Level 2** | | | | Games | | |
| Above, after, anticlockwise, around, attributes, backwards, before, behind, below, beside, clockwise, corner, curved, east, edge, face, far, forwards, half, in front, inside, left, middle, near, next to, north, on, on top, over, quarter, repeating, right side, side, sideways, solid, south, straight, symmetrical, tessellate, under, west. | | | | | | | | Above, anticlockwise, attributes, below, beside, between, clockwise, dimensional, direction, enlarge, flip, geometric, left, line of symmetry, net, pattern, reduce, reflection, rotational, slide, symmetrical, symmetry, tangram, tessellation, translation, turn, 2-dimensional, 3-dimensional | | | |  | | |
| **Group** | | | **Monday** | | | | **Tuesday** | | | **Wednesday** | **Thursday** | | **Friday** | |
| **Maintenance** | | **Mon** – Against the Clock | | | | **Tues** – 10/20 Quick Q | | | | **Wed –** 21 | **Thurs -** | | | **Fri -** |
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