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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.
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| **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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