ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE: Reflection and Translation (5LS25) **YEAR GROUP: 5** **TERM: Spring 2**

<table>
<tr>
<td>Vocabulary
Reflect
Translate
Shape
Sides
Vertex
Coordinate
Identical
Mirror
Line of reflection
Magnitude</td>
<td>Skills
• Understand and manipulate four-quadrant coordinate grids
• Correctly translate of simple 2D shapes
• Correctly reflect of simple 2D shapes
• Accurate reflection/translation of shapes in the first quadrant
• Recognise the transformation of a shape and describe this.</td>
<td>What we already know
• How to describe positions on a 2D grid using coordinates in the first quadrant
• Recognise and name common 2D shapes
• Describe the properties of 2D shapes including side number.</td>
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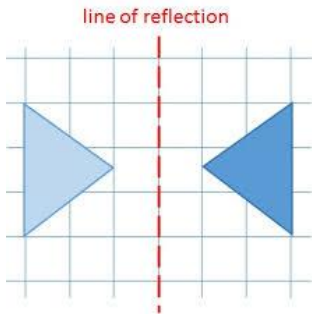
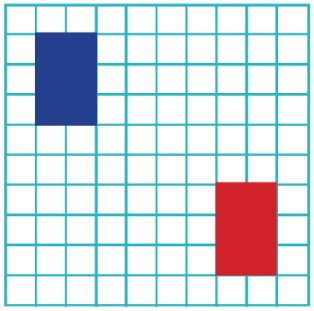
<td>Illustration
Reflection
 

Translation
  </td>
<td>Application/ Outcomes
• Translation of simple 2D shapes
• Reflection of simple 2D shapes
• Reflection/translation of shapes in the first quadrant
• Verbal discussions to describe the transformations of shapes.</td>
<td>Concepts
• Coordinates can be used to describe the location of a shape on a grid
• Translations are a movement of a shape where each vertex moves in the same way
• When translated, a shape remains the same, but its position has changed
• Reflections cause a shape to ‘flip’ over the line of reflection
• When reflected, each vertex in a shape remains the same distance from the line of reflection.</td>
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