## Essential Element, Linkage Levels, and Mini-Map

### Math: Grade 7

**M.EE.7.G.2**

<table>
<thead>
<tr>
<th>Grade-Level Standard</th>
<th>DLM Essential Element</th>
<th>Linkage Levels</th>
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</thead>
</table>
| **M.7.G.2** Draw (freehand, with ruler and protractor, and with technology) geometric shapes with given conditions. Focus on constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle | **M.EE.7.G.2** Recognize geometric shapes with given conditions | **Initial Precursor:**  
- Recognize same  
- Recognize different  

**Distal Precursor:**  
- Recognize squares  
- Recognize circles  
- Recognize triangles  
- Recognize rectangles  
- Recognize cubes  
- Recognize cones  
- Recognize cylinders  
- Recognize spheres  

**Proximal Precursor:**  
- Describe attributes of shapes  

**Target:**  
- Recognize shapes with specified attributes  

**Successor:**  
- Classify shapes with specified attributes  

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A diagram showing the relationship of nodes in the mini-map appears below.

**Key to map codes in upper right corner of node boxes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP</td>
<td>Initial Precursor</td>
</tr>
<tr>
<td>DP</td>
<td>Distal Precursor</td>
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<tr>
<td>PP</td>
<td>Proximal Precursor</td>
</tr>
<tr>
<td>T</td>
<td>Target</td>
</tr>
<tr>
<td>SP</td>
<td>Supporting</td>
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<tr>
<td>S</td>
<td>Successor</td>
</tr>
<tr>
<td>UN</td>
<td>Untested</td>
</tr>
</tbody>
</table>
M.EE.7.G.2 Recognize geometric shapes with given conditions

- F-2 recognize same
- F-76 recognize different
- F-80 match the same three-dimensional shapes with same size and same orientation
- F-86 match the same three-dimensional shapes with same size and different orientation

- F-9 match the same two-dimensional shape with same size and same orientation
- F-41 match the same two-dimensional shape with same sizes and different orientations
- F-98 match the same three-dimensional shapes with different size and same orientation
- F-65 match the same three-dimensional shapes with different size and different orientation

- M-130 recognize squares
- M-131 recognize circles
- M-132 recognize triangles
- M-133 recognize rectangles
- M-135 recognize cubes
- M-136 recognize cones
- M-137 recognize cylinders
- M-138 recognize spheres

- M-2424 recognize the non-defining attributes of a shape
- M-2425 recognize the defining attributes of a shape
- M-2423 explain defining attributes of shapes

- M-2466 recognize shapes with specified attributes
- M-2526 classify shapes with specified attributes