

# Math & Science Collaborative Lesson Plan



**Northwest Educational  
Service District 189**

*Together We Can*

**Lesson Title:** Recognize and draw shapes: Triangles, Cubes

|  |  |   |
|--|--|---|
| <b>Unit Learning Target (Standard/Performance Expectation(s))</b> Recognize, draw, and identify shapes having specified attributes as well as compare sizes.   |  |   |
| <b>Building Block or Lesson Learning Target:</b> Recognize and draw shapes: Triangles, Cubes   | <b>Student Success Criteria:</b><br>Identify and explain the attributes of triangles and cubes.                  |   |
| <b>Previous Lesson Learning Target:</b> Recognize and sort: triangles, squares, and cubes  |  |   |
| <b>Target Introduction/ Thinking Question *</b><br>“How many sides does each shape have?”  |  |   |
| <b>Lesson Progression (Flow) with Talk-Structures (Student Discourse)</b><br><br>Play “guess my rule” with pictures and shapes<br><br>Sort triangles and cubes<br>Sorting game: each student has a shape and are sorted into a specific part of the room<br><br>Locate shapes in the room<br><br>Playground search<br><br>Make a drawing of a shape from their shape book. | <b>Key terms for this lesson</b><br>Triangle<br>Square<br>Cube<br>Face<br>Side<br>2-dimensional<br>3-dimensional | <b>Formative Task or Question*</b><br><i>Designed to elicit student misconception(s)</i><br>How are “side” and “face” the same, and how are they different? |
|  | <b>Forms of Student Discourse to include:</b><br>Peer to peer<br>Student to teacher                              |   |
| <b>Lesson Closure</b><br>Review triangles, sides, cubes, and faces..   | <b>Exit Task*</b><br>Remove all models and then ask students to freehand draw any stated shape.                  |   |

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| <p><b>Do the Math for the Thinking Question</b></p> <p>All geometric shapes for this lesson. No arithmetic needed.</p>   | <p><b>Lesson Anticipated Misconceptions:</b></p> <p>Side = face</p> <p>Not counting top as well as bottom on 3-dimensional shape</p>                                      |
| <p><b>Lesson Instructional Adjustment(s)</b> (if needed)<br/><i>Tied to common misconception(s)</i></p> <p>Review shapes and build with straws and/or blocks</p> | <p><b>Manipulatives and materials to include and have ready to support the lesson *</b></p> <p>Triangles   blocks   cubes</p> <p>Straws   pictures   paper and pencil</p> |

\* Opportunity for formative assessment