K - 6 Elementary Geometry Math Learning Progression

Teaching Geometry Continuum K - 6

1st Grade
Draw and name four basic geometric shapes

Kindergarten
Describe and demonstrate shapes as ***above, below, beside, in front of, behind, next to***

"**I can** draw and name squares, circles, triangles and rectangles."

"**I can** describe and explain the meaning of above, below, beside, in front of, behind, next to."

Explain using words, pictures and symbols, placement and the basic shapes of square, circle. triangle, rectangle.

3rd Grade
Identify and describe special types of quadrilaterals.

2nd Grade
Identify and describe triangle, quadrilaterals, cubes, pentagons, hexagons

"**I can** identify and describe a variety of quadrilaterals."

"**I can** identify and describe basic geometric shapes."

Explain using words, pictures and symbols, similarities and differences in basic geometric shapes through hexagons.

4th Grade
Compare, demonstrate and explain that rectangles with the same area measurement can have different perimeters

"**I can** demonstrate and explain how multiple rectangles can have the same area measures, but have different perimeter measurements."

Explain using words, pictures and symbols, similarities and differences in perimeter and areas measurements for rectangles.

5th Grade
Identify 360°, 180°, and 90° angles and use a protractor to identify and draw other specific angles

"**I can** identify and label the min angles of 360°, 180°, and 90° and draw other specific angles by using a protractor."

Explain using words, pictures and symbols, the composition and construction of angles from 1 degree through 360 degrees.

6th Grade
Calculate and compare the surface area of rectangular prisms with the same volume, or find the volume with the same surface area

"**I can** find the surface area of a rectangular prism by calculating the area of each face and adding them together and explain my answer."

Explain using words, pictures and symbols, all the geometric parts needed to determine surface area and volumes of prisms.

Northwest Educational Service District 189
Together We Can
Math & Science Collaborative Inquiry Project