Fifth Grade

Math Learning Progression

Vocabulary: triangle, quadrilateral, trapezoid, parallel, square, kite, rhombus, rectangle, parallelogram, area, perimeter, transform, congruent

Identify, describe, and classify quadrilaterals (including rhombi, parallelograms, kites, squares, trapezoids, and rectangles)

> **"I can** draw, name, and explain what facts make any quadrilateral."

Formative Assessments: Two dimensional Shapes Pictures Geoboards Drawings Real-life examples Rulers, measuring tools

Identify, describe, and classify triangles by angle measure and number of congruent sides.

"I can draw and give 2 names to any triangle, (by angle or by sides)."

Formative Assessments: 2-D Geometric models (triangles) Geoboards Pictures

Drawings Real-life examples

Demonstrate that rectangles with the same area can have different perimeters, and rectangles with the same perimeter can have different areas.

> "I can show and explain how rectangles can have the same perimeters and different areas, and vice versa."

Formative Assessments: 2-D Geometric models (squares & rectangles) Color tiles Geoboards Pictures Drawings Real-life examples

Transform triangles to rectangles to find the area; transform quadrilaterals to rectangles to find the areas

> **"I can** show and explain how to change triangles and quadrilaterals to rectangles to find their area."

Formative Assessments: 2-D Geometric models (triangles & rectangles) Color tiles Geoboards Pictures Drawings Real-life examples

Develop generalized formulas from transformations of triangles and quadrilaterals to find their areas

"I can show and explain the process I use to find and calculate the perimeter and area of triangles and quadrilaterals ."

5.3.F

Determine the

perimeters and

areas of triangles

and parallelograms.

CCSSM 3.MD.8 &

6.G.1

Formative Assessments: 2-D Geometric models (triangles & rectangles) Color tiles Geoboards Pictures Drawings Real-life examples



Math & Science Collaborative Inquiry Project