

Picturing Polygons (2-D Geometry)

Related *SFAW Mathematics* Chapter

Geometry (Chapter 6)

Investigation 1: Identifying Polygons

Session 1: Is It a Polygon?

Session 2: Making Polygons

Session 3: Polygon Pictures with Coordinate Geometry

Session 4: Coordinate Geometry with *Geo-Logo*

SFAW lesson to be taught/incorporated:

6-1 Geometric Ideas

Investigation 2: Triangles and Quadrilaterals

Sessions 1, 2, and 3: Sorting Polygons

Sessions 4 and 5: Making Shapes That Follow Rules

Sessions 6 and 7: Using Move and Turn Commands

Session 8: Finding Angle Sizes

Session 9: Angles and Turns Together

SFAW lessons replaced:

6-2 Measuring and Classifying Angles

6-5 Classifying Triangles

6-6 Classifying Quadrilaterals

SFAW lessons to be taught/incorporated:

6-3 Segments and Angles Related to Circles

6-7 Problem-Solving Strategy: Solve a Simpler Problem

6-8 Problem-Solving Skill: Writing to Describe

Investigation 3: Regular Polygons and Similarity

Sessions 1 and 2: Regular Polygons

Session 3: Patterns of Angles and Turns

Session 4: Building Similar Shapes

Sessions 5 and 6: Similarity Activities

SFAW lesson replaced:

6-4 Polygons

SFAW lessons to be taught/incorporated:

6-9 Congruence and Similarity

6-10 Transformations

6-11 Symmetry

6-12 Problem-Solving Applications: Skyscraper

End-of-Unit Assessment Options

- *Investigations Assessment Sourcebook*, pp. 7–10
 - *SFAW Mathematics* Chapter 6 Test, Student Book p. 380
 - *SFAW ExamView®* Test Generator: Chapter 6
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