

Subject: Mathematics

Grade: Fourth

Standard: #5 Geometry

Key Concept: Students recognize, describe, draw, classify, and compare geometric figures.

Generalization: Students analyze polygons and their parts.

Background:

Students should be familiar with basic geometric figures. This lesson would most likely be toward the end of a unit on geometry.

Materials needed are several books about polygons so that students choose a tier based on their interest in a particular book. Three such books are The Greedy Triangle, ISBN#0-590-48991-7, Shape Up, ISBN#0-8234-1346-2, and A Cloak for the Dreamer, ISBN#0-590-4897809. Additional tiers can be added for other books. This lesson could also be tiered according readiness by varying the difficulty of the books.

This lesson is tiered in *content* according to *interest*.

Tier I: *The Shape Ups*

Tier II: *The Greedy Triangles*

Tier III: *The Dreamers*

Each tier will read their book and prepare a short report in which they describe, draw, classify, and compare the polygons and parts of the polygons.

Assessment:

Teacher prepares a rubric for assessing the reports. Students are given the rubric before beginning the lesson.