

Title: Geometric Solids: Get In Shape



Brief Overview:

The students will use their understanding of geometry to create a three-dimensional figure and be able to explain the attributes of the three-dimensional solid. They will be comparing shapes by identifying the faces, vertices, and edges.

NCTM Content Standard:

Geometry

Grade/Level:

Grades 3-4

Duration/Length:

Three days (50 minutes each day)

Student Outcomes:

Students will:

- Identify, compare, and analyze attributes of two-and three-dimensional shapes and develop vocabulary to describe the attributes.
- Classify two-and three-dimensional shapes according to their properties and develop definitions of classes of shapes such as triangles and pyramids.
- Build and draw geometric objects.

Materials and Resources:

- Overhead pattern blocks (if not available, regular pattern blocks)
- The Greedy Triangle by Marilyn Burns
- Three dimensional solids-a set for each student pair
- Chart paper
- Opaque bag
- 'Compare the Pair' worksheet
- 'Picture pages' #1-4
- Toothpicks (variety of sizes)
- Several bags of gumdrops at least 20 per student
- Gumdrop rubric

Development/Procedures:

Lesson 1