

Subject: Mathematics

Grade: Kindergarten

Standard: #5 Geometry

Key Concept: Some three-dimensional shapes can be built with blocks.

Generalization: Use blocks of varying sizes to replicate three-dimensional objects, e.g. cubes and rectangular prisms.

Background:

Before beginning this lesson, students should be able to sort two-dimensional shapes.

Materials needed are two groups of three-dimensional objects or pictures of objects from two areas such as sports and nature or buildings and vehicles.

Sets of blocks in a variety of sizes and colors.

This lesson is tiered in *product* according to *interest* (teacher controlled/student selected).

Students select a set of objects which interest them the most.

Tier I:

Given at least four 3-D objects or pictures of objects about sports, students build a replica of at least two of the objects using a set of blocks. Students will share their creations with each other and the teacher.

Tier II:

Given at least four 3-D objects or pictures of objects about nature, students build a replica of at least two of the objects using a set of blocks. Students will share their creations with each other and the teacher.

Assessment:

Teacher may assess by observation while students are creating their replicas and question students about similarities and differences from the given set of objects.