

## *Farm Geometric Solids # 2*

**Subject:** Social Studies: Agriculture

**Grade Level:** 5

**McRel Standards: US History** Era 6: The development of the Industrial United States (1870-1900)

**Benchmark:** Understands how the rise of corporations, heavy industry, and mechanized farming transformed American society.

**Iowa Model Standard** **Math: Geometry** Understands and applies properties and relationships of geometric figures.

**Anticipatory Set:** Ask students to look at various pictures of a farmstead and identify the geometric solid shapes in the various examples.

**Purpose:** For students to see the real life application in geometric solid shapes.

**Objective:** Students will be able to create a barn/farmstead using geometric solid shapes: rectangular prism, triangular prism, cylinder, cone, cube, square pyramid, triangular prism and pyramid triangle base.

### **Teaching to the Objective:**

1. Show the students several examples of different farmsteads.
2. Have the students identify geometric solid shapes that they view from the photographs and drawings.
3. Make a list of the solid geometric solid shapes that they identify.
4. Students will create a farmstead using each of the following geometric solid shapes at least once in their farmstead from the patterns supplied: rectangular prism, triangular prism, cylinder, cone, cube, square pyramid, triangular prism, and pyramid triangle base.

**Assessment:** Students will be assessed on their ability to apply their knowledge of solid geometric shapes and create a farmstead. Students should be able to label each of the solid geometric shapes on their farmstead.

Thanks to <http://www.edhelper.com> for the idea for this lesson.