

Farm Geometric Solids

Subject: Social Studies: Agriculture

Grade Level: 6-8

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.

Model Math: Standard

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:
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.