

# Algebra/Geometry Institute Summer 2003

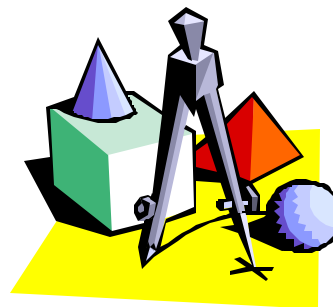
## Lesson Plan Two

**Faculty Name:** Brenda Kirkham

**School:** Shelby Middle School

**City:** Shelby, MS

**Grade Level:** 5



**Objective:** Explore geometric patterns and relationships

1 Teaching objective(s) The student will identify the different types of space figures.


### 2 Instructional Activities

- + Discuss meaning of space figure.
- + Review name and characteristics of the following space figures: cone, cylinder, triangular prism, rectangular prism, hexagonal prism, rectangular pyramid, triangular pyramid, square pyramid, and sphere. List names and characteristics of each space figure on butcher paper as they are described.
- + Pass each space figure around the room so each student can get a feel of each space figure. Display each space figure in room.
- + Pair the students with a partner.
- + Issue supplies needed to complete activity.
- + Explain the directions for the following activity:
- + Make up riddles for different space figures. Be sure your riddle gives enough information. Example: "I have a square for a base and a pointed head. Four of my faces are the same as my base. What am I?" (a square pyramid)
- + Write your riddle on note card. Once completed, exchange note cards with your partner to solve.
- + Build the space figure that is the answer to your partner's riddle using construction paper, tape, ruler, and scissors. When you have solved the riddle, have your partner check your answer.
- + Display riddles and construction of each in class.

### 3 Materials and Resources

- + Butcher paper
- + Markers
- + Construction paper
- + Scissors
- + Tape (clear)
- + Ruler
- + Index cards(4x6)

## 4 Assessment

 Observation