



TEACHER PAGE

Lesson: Geometric Shapes at the OK Corral

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New Arizona Math Strand 4 Geometry and Measurement Grade Kindergarten Articulated 4MK1-01 Identify two-dimension shapes by attribute – size, shape, number of sides. **4MK1-03** Identify shapes in different environments (e.g., nature, buildings, classroom).

Old Arizona Math Standard 4 Readiness 1

Grade Kindergarten

4MR1 Identify, compare, classify, draw and make models of shapes

Materials:

Paper, cloth, scissors, marking pens and newsprint

Learning Objectives: the student will be able to:

- identify geometric shapes
- differentiate between geometric and non-geometric shapes
- demonstrate using a computer mouse to correctly identify geometric shapes

Overview:

This is an introductory lesson for learning that geometric shapes are forms that are precise and regular. Further, non-geometric shapes are forms that may appear wobbly and irregular. Students are actually comparing these two concepts throughout the lesson and show understanding of geometric shapes by the end. This lesson has English, Navajo and Spanish narration and scripts.

Spanish/English math dictionary: www.math2.org/math/spanish/eng-spa.htm

Classroom Management:

The teacher may choose to present this lesson to the whole class the first time through and then let students to experiment with the required mouse manipulation in small group or individual turns at the computer station.

Engaging Students:

Focusing on the computer screen and determining the reason for the cat picture would set the stage for early geometric learning.

Follow-up:

Draw geometric shapes, cut out shapes and display the shapes to compare geometric and non-geometric shapes. Use the Internet to research geometric shapes in art and architecture (occupations). One painting suggested by the teacher-author that exemplifies geometric shapes is “Diamond Painting in Red, Yellow and Blue,” by Piet Mondrian. A higher level thinking activity and potential Interactivity with students would be to pose questions, such as, “If you were to build a house, which shapes would you use?” Ask students to identify geometric shapes in the classroom; teacher makes a list.

Assessment:

Students will demonstrate their understanding of geometric and non-geometric shapes on the computer screen.

