TEACHER PAGE

Lesson: Classify 2-D Shapes

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New Arizona Math Strand 4 Geometry and Measurement **Grade 4**
Articulated 4M41-01 Identify the properties of two-dimensional figures using appropriate terminology.
Old Arizona Math Standard 4 Geometry **Grades 4-8**
4ME1-PO1B Classify two-dimensional shapes and three-dimensional figures by their properties B. by properties.

Learning Objectives: Students will be able to:
•Identify the properties of 2-D shapes using appropriate terminology
•Identify descriptions of the properties of 2-D shapes and apply to the appropriate shape
•Explain the reason a circle is not measured by length, width of sides and angles.

Overview and Content:
Descriptions of square, rectangle, triangle and circle are the main content of this lesson. Students are given many opportunities to connect the correct shape with its description. The reason circles are not measured like other 2-D shapes is explained.

Engage Students:
Play a game of guess what I am with the class. Use unpainted cardboard models of traffic signs to hold up. Student groups will list the shapes of the signs and their functions. The group that gets the most correct gets to paint the signs appropriately.

Follow-up:
There are games at the web site given in DIG DEEPER and TALK ABOUT IT!
In the SO WHAT! shapes of signs (2-D) are important to traffic and bicycling safety. Students should memorize the shapes (signs) and report on the number they see on the way to school.

Assessment:
Students will practice first and then take quizzes on matching the correct description to its shape and applying the number of sides and angles correctly to given shapes. The teacher may add a quiz regarding the correct identification of safety road and pedestrian signs.