



TEACHER PAGE

Lesson: Draw Shapes with Rikki

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New Arizona Strand 4 Geometry and Measurement

Grade 5

Articulated 4M51-02 Draw two-dimensional figures by applying significant properties of each (e.g., Draw a quadrilateral with two sets of parallel sides and four right angles.)

Old Arizona Standard 4 Foundations 1

Grades1-3

4MF1-PO2 Draw two-dimensional shapes.

Learning Objectives: Students will be able to:

- draw two-dimensional shapes of a rectangle, square, rhombus, trapezoid.
- identify rectangle, square, rhombus, trapezoid
- explain the three groups of the quadrilateral family

Overview and Content:

Drawing and labeling shapes electronically, students are aided by graph paper, a drawing tool, and a text tool. Students will learn shapes of parallelograms and trapezoids from the quadrilateral family by description: The DIG DEEPER will be extremely helpful for learning the hierarchy of quadrilaterals including trapeziums. The draw tool changes from a pencil to a crossbar during the lesson to give students the opportunity of becoming familiar with different computer tools. There is a print activity in TALK ABOUT IT!

Engaging Students:

- Question students as to how they would suggest drawing the shapes of rectangle, square, rhombus and trapezoid to make them perfect.
- Place cut out shapes in a large Venn diagram on the floor or on the table to show the hierarchy of the quadrilateral family of shapes.
- Investigate the usual shape of a kite and classify it in the quadrilateral family.

Follow-up:

Research the use of quadrilaterals separately and together in architecture and construction. Draw building plans using the most shapes possible or the fewest shapes possible.

Assessment:

Students will draw the correct shapes electronically from their descriptions.

