

STRUCTURES II LESSON PLAN

Title of Activity: Classifying Kites and Squares

Overview of Activity: Creating quadrilateral robots to demonstrate understanding of kites and squares.

Purpose: Students will be able to classify kites and squares based off their properties.

Classroom Grade-Level: 5th Grade

Learning Objective	Common Core Standard Code	Arkansas Framework
Classify two-dimensional figures in a hierarchy based on properties	5.GM.1	AR.Math.Content.5.G.B.4
Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category		AR.Math.Content.5.G.B.3

Resources and Materials To Be Used (plan ahead as much as possible):

- PowerPoint
- Pencil
- Paper
- Worksheets
- Glue
- Scissors

Safety considerations: Consider using non-toxic glue and safety scissors

Activities and Procedures You Will Use (in order of use):

- PowerPoint
- Demonstrate how to construct a kite and students follow on their own.
- Students will independently work on worksheet and then come together as a class to go over the questions.
- Students will create robots using quadrilateral shapes.
- Assessment - Exit Ticket

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How Learning Will Be Assessed:

Exit Ticket: review the exit tickets to gauge students' understanding of the lesson; looking for correct answers and explanations.

Worksheet: evaluate the worksheets to assess students' ability to apply the learned concepts independently

Quadrilateral Robot Activity: observe students during the activity to assess their hands-on application of knowledge; look for correct identification of shapes and understanding of quadrilateral properties.

How Will You Conclude Learning Activity (Positive Wrap-Up for Students): Come back together as a class to discuss lesson and have students fill out exit ticket to check for understanding.