

## Day 2: Squares, Rectangles, and Right Triangles

**Lesson Target:** Student will identify and sketch some polygons that have right angles.

Process	Activities/Expected Students' responses	Teacher's Support
Understand the Goal (5 min)	<b>How do you draw polygons that have right angle?</b>	<b>Review</b> definition of right angle (90 degrees)
Explore/ Investigate/Solve (30 min.)	<p><b>Introduce</b> a word <b>Quadrilateral</b> that is a 4 sided polygon</p> <p><b>Model</b> how to put 3 straws to make triangles and 4 straws to make quadrilaterals. Right angle Finder</p> <p><b>Use 3 or 4 straws to make polygons that have right angles. Draw what you found.</b>  <b>T:</b> How do you know your polygon has a right angle(s)?  <b>S:</b> Use a Right Angle Finder!  <b>S:</b> I have one right angle in my triangle.  <b>S:</b> I have four right angles in my quadrilateral.  <b>S:</b> I have only one right angle in my quadrilateral.</p> <p><b>Presentation:</b>  <b>S:</b> I made a square that is a quadrilateral. It has four right angles. (<b>demonstrate</b> with <i>Right Angle Finder</i>)  <b>T:</b> If you made a triangle that has a right angle, it is called <b>Right Triangle</b>.</p>	<p><b>Post</b> a card "<b>Quadrilateral</b>"</p> <p><b>Provide</b> four 6 different sized straws.</p> <p><b>Provide</b> Construction papers Ruler</p> <p><b>Post</b> their pictures with labels on the wall</p> <p><b>Post</b> a card "<b>Right Triangle</b>"</p>
Conclude (10min.)	<p><b>Journal Entry:</b>            Draw one triangle that does not have a right angle and one that has a right angle. Explain the difference between them with your own word.</p> <p>Can you draw quadrilaterals that have four right angles? What are they called?</p>	

### Assessment:

- **Construct** polygons that have right angle(s) with straw.
- **Use** *Right Angle Finder* accurately.
- **Identify** right angle(s) in each polygon