Thoughtful Classroom Lesson Ideas

Grade 4

Math

Polygons with Tangrams Task Rotation

Science

Making a Complete Circuit Task Rotation

Polygons With Tangrams

(Task Rotation)

Mastery		Interpersonal
Fill in the chart with al <u>Polygon</u> triangle	l the shapes. <u>Number of Sides</u> 3	Give a partner only verbal directions to construct a combination polygon you made. (For example, "Put the trapezoid's longest side next to the triangle's shortest side." Then,)
*Teacher Note: You can add columns for number of angles, vertices, etc. Include triangle, square, rectangle, circle, hexagon, octagon, etc.		0.115
Understanding Take two of the polygons and compare them. What is similar? What is different? Now do this with the rest of the shapes in pairs. * Teacher Note: You need to be familiar with tangrams to do this.		Self-Expressive Combine two or more pieces to create another polygon. Record in the boxes on the chart. * Teacher Note: You can start this one with the whole group. Image:

Science – 4th Grade

Making a Complete Circuit

(Task Rotation)

Mastery	Interpersonal
List the essential elements needed to make a complete circuit. Label the parts.	Write a paragraph describing to a friend how your life would be different if you lived where there was no electricity.
Understanding	<u>Self-Expressive</u>
What would you do if your finished circuit didn't light up? Explain how you would check/fix it.	Find as many different ways as you can using a variety of materials to make a complete circuit.