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RDNG 300

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Honors Contract Project

**Common Core Standards Addressed:**

[CCSS.MATH.CONTENT.1.G.A.1](http://www.corestandards.org/Math/Content/1/G/A/1/)  
Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.

[CCSS.ELA-LITERACY.RL.1.7](http://www.corestandards.org/ELA-Literacy/RL/1/7/)  
Use illustrations and details in a story to describe its characters, setting, or events.

**First Grade Lesson Plan**

Read the *The Greedy Triangle* to the students as a whole class and display it on an Elmo while reading it.

After completing the story, ask questions to the students in order to write words that can go on the word wall.

Ex: What shapes did we read about in *The Greedy Triangle*? How many sides do these shapes have? How can you tell the difference between these shapes? What other math words were used in the book?

Write out the suggested words, including other important ones not brought up during discussion, and put them in ABC order on the math word wall.

Separate the students into groups and explain the different centers and what is expected at each.

Centers:

1. This center contains print outs with different shapes. The students each pick a shape and then cut it out and draw a character on it. They will name the character while including the shape in the name (such as “Trish’s Triangle” or “Mr. Triangle”).
2. Students will work with partners. They will be given different colored shapes in the form of block manipulative and separate them based on specific criteria. For example, students could separate the shapes based on color, the shapes themselves, size, or a combination of these. The directions are as follows:
   1. Pick out all of the triangles.
   2. Pick out all of the red shapes.
   3. Pick out all of the big shapes.
   4. Pick out all of the quadrilaterals.
   5. Pick out all of the small shapes.
   6. Pick out all of the blue shapes.
   7. Pick out all of the blue triangles.
   8. Pick out all of the medium yellow shapes.
   9. Pick out all of the medium squares.
   10. Pick out all of the blue big triangles.
3. Write a story including three named characters who are all different shapes. In the story, say the number of sides each character has. Students can also draw a picture to showcase their story.

**Word Wall**

While centers take place, the students can use the Math Word Wall in order to help them identify different shapes.

The Word Wall words are as follows:

angle

circle

hexagon

octagon

pentagon

quadrilateral

side

shapes

triangle

Works Cited

Burns, Marilyn, and Gordon Silveria. *The Greedy Triangle*. New York: Scholastic, 1994. Print.