

### Mini-Lesson:

- 1) Grade Level: 5<sup>th</sup> Grade Mathematics
- 2) Curriculum Topic: Geometry- 2D Figures

AR.Math.Content.5.G.B.4 Classify two-dimensional figures in a hierarchy based on properties. Note: Trapezoids will be defined to be a quadrilateral with at least one pair of opposite sides parallel, therefore all parallelograms are trapezoids.

- 3) Tools: 1) Osmo Tangrams
- 2) PowerPoint Ebook over 2D figures

- 4) Synopsis:

The goal of this minilesson is to introduce 2D figures and their properties to the students. Students will be grouped into groups of three. Each group will play with the Osmo game Tangrams and become familiar with the different shapes. Students will be instructed to pay attention to the shapes and their properties. Each student will have a task. One student will play the game, another will draw and color the shapes used in the tangrams, and the other student will read an eBook over 2D figures. Students will rotate once each task has been completed. All three students should be engaged in the topic of 2D shapes. After all the tasks have been completed, groups will discuss the shapes that they encountered. Groups will discuss the properties of each shape.

The goal of this minilesson is to have students encounter 2D shapes in multiple meaningful ways. The game will help students work with the different shapes. It will get them familiar with their appearance in different orientations. The drawing and coloring of each shape will allow the students to create the

shapes for themselves based on what they look like. The eBook will provide more detailed information about each shape. The goal is for students to put all of these experiences together to have an introductory knowledge of 2D figures.