

Shapes and their Attributes

Grade Level: 3rd grade

Curriculum Topic: Math- Reason with shapes and their attributes

Standard: AR.Math.Content.3.G.A.1 • Understand that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides) and that the shared attributes can define a larger category (e.g., quadrilaterals) • Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories

Tools: Osmos' Tangram and Prodigy App

Synopsis: Students will be introducing to various shapes and how many share similar attributes, such as quadrilaterals. Students will be able to identify these shapes and be able to sort them into different categories while explaining why they believe those shapes belong together. Students will also be able to understand the importance of shapes and how they are used in everyday life. This will help them prepare to measure shapes and identify shapes in their environment. Students will be able to use the Osmos' Tangram as an interactive tool to practice identifying shapes, use them to create, how shapes are used together, and solve puzzles. This will allow them to connect with the content being taught. Students will be divided into groups of four and work together to solve these puzzles using shapes and to keep each other accountable on identifying the shape. After students have successfully recognizes shapes and learned to categorized them, they will have an opportunity to keep practicing individually through the Prodigy app. Through Prodigy, I am able to click on the math standard and objective I have taught or am teaching in order to provide them with problems based on that standard. I will push out an assessment through Prodigy to determine if they have successfully achieved the objective. Prodigy, will provide me with a report on the progress of each student in specific math skills.