

Creating Shapes and Patterns

Subject: Mathematics and Art

Grade: 4th

Teacher: Ms. Maggie Schreit

State Standard: AR.Math.Content.4.OA.C.5: Generate a number or shape pattern that follows a given rule and identify apparent features of the pattern that were not explicit in the rule itself.

Lesson:

For this lesson, I will be using PowerPoint and Tangram. I will begin my lesson by explaining to students how to solve patterns of shapes. I will use Tangram to give them an idea of the shapes and patterns I am talking about. I will then show them how they can use Tangram to study shapes, too. After they understand patterns, I will then show them PowerPoint. I will ask them to complete a project over Patterns and Shapes. The students are to create five different patterns and three different shapes (using shapes). Then, they must explain how Tangram can be useful when learning shapes and patterns. The students will be able to start on this project while in class. Throughout the work day, I will go around the room to answer any questions they may have over the project, Tangram, or PowerPoint. The students will take turns using Tangram and PowerPoint.

Modifications:

Students with modifications will be sat at the front of the room and may be asked to only give four different patterns and two shapes for the project. They will be checked up on regularly throughout the work day.

