Grade: 6

Acquisition Lesson Plan Name: Mr. Beeman

Plan for the concept, topic, or skill Topic: Mathematical Tessellations

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| Essential Question | What is a Tessellation and how can I create a composition involving Tessellations? |
| What do students need to learn to be able to answer the Essential Question? | |
| AP #1 | Group Activity: Student will list observable Tessellations in the classroom based on a definition. Then students will name Tessellations outside the classroom based on a definition. |
| AP #2 | Identifying shapes that can and cannot tessellate. |
| AP #3 | Demonstrate by making a composition involving a Tessellation. |
| Activating Strategy | Students will be prompted with a definition about Tessellations. Students will need to brainstorm with their group to list as many Tessellations possible. |
| Vocabulary | Tessellation, Composition, Template, Pattern, Repetition |
| Teaching Strategies  Graphic Organizer: |  |
| Instruction | First students will be prompted with a Tessellation definition. |
| AP #1 | Student will list observable Tessellations in the classroom based on a definition. Then students will name Tessellations outside the classroom based on a definition. |
| AP #2 | Next, students will collaboratively identify shapes that can and cannot tessellate. |
| AP #3 | Students will create a unique Tessellation. |
| Assignment: | None. |
| Summarizing Strategy: | Students will complete a ticket out the door.  The ticket out the door must contain a drawing of a Tessellation and explanation of a Tessellation. |
| Materials | Scissors, tape, cardstock, and construction paper. |



Art Rubric

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| **Mathematical Tessellations** | **4** | **3** | **2** | **1** |
| Craftsmanship  -correctly constructed tessellation.  -placement of tessellation template is neatly traced, designed, and colored. |  |  |  |  |
| Creativity  -design contains a uniquely original composition. |  |  |  |  |
| Neatness  -final composition is presentable with flat corners, strong color approach, and presentable construction lines. |  |  |  |  |
| Completion  -Composition consists of a repeated Tessellation.  -Tessellation contains design elements.  -Tessellation is colored. |  |  |  |  |