

Lesson Plan

A) Subject: Geometry: Transformations
Lesson Topic: Rotations (Turns) Day 1

Level/Grade: 3
Date: Feb 28, 2019

B) Context

1. LEARNERS:

- 23 Grade 3s
- Some students will need redirection/reminders to stay on task (they are a chatty bunch sometimes!)
- Placement on the carpet for learning is important (teacher assistance during the lesson moving to a better spot may be necessary)

2. CURRICULUM:

- Geometry and Spatial Sense: identify flips, slides, and turns, through investigation using concrete materials and physical motion, and name flips, slides, and turns as reflections, translations, and rotations (e.g., a slide to the right is a translation; a turn is a rotation);

3. MATERIALS/RESOURCES:

- Promethean Board
- Blanket
- Athletic Bands OR String (7)

4. ARRANGEMENTS/GROUPING OF STUDENTS & EQUIPMENT:

- WHOLE GROUP: Students will be as a whole group for the introductory section of the lesson going through the new way to move shapes
- SMALL GROUP: Students will work in small groups to translate, rotate, and reflect shapes

C) Learning Expectations

- Learning goals: I can...
 - o Show the difference between translation, rotation, and reflection
- Success Criteria: I will...
 - o Tell a friend the difference between a quarter turn and a half turn
 - o Work with my table group to make shapes out of a band
 - o Show my learning on an exit slip

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D) Instructional Strategies for Teaching & Learning

1. Introductory Section: Hook
 - <https://www.youtube.com/watch?v=J166-6BUR9s>
 - I will use this song to get students engaged in the conversation of transformations and to see if they can identify previous learning
 - It will also be an opportunity to see what we will be learning today
2. Main/Middle Section:
 - Types of Rotations with Promethean Board
 - o Quarter and half turns around a central point
 - Human Rotation
3. Concluding Section:
 - Using Athletic Bands (or string) students will make a shape using their legs that I will tell them too, they will then translate, reflect, or rotate their shape.
 - o As an extension, we will make a circle on the carpet and one group will make a shape and perform a transformation. The group will have to identify how they got from their original shape to the final one (i.e. They rotated)
4. Application/Reaction:
 - Exit slip
 - o This concept will be used in further lessons when synthesizing their learning on transformations

E) Evaluation & Reflection Assessment Strategies

- I will be using assessment as learning during this lesson in exit slips, they will be consolidating their learning in a quick way
- I will also be using assessment for learning during this lesson when observing their shapes and movement during the hands on activity.