

Plate Tectonics Vocabulary: 3rd-Grade Science and Dance; Amy Nolan

Objectives: Students will be able to...

- Define plate tectonics vocabulary terms
- Identify what occurs due to plate movement
- Create movements for science vocabulary
- Use dance standards to create a dance phrase

Grade Level: 3rd

Standards:

- Science, 3rd grade, Earth Systems Science- 3.1 Earth's materials can be broken down and/or combined into different materials such as rocks, minerals, rock cycle, formation of soil, and sand - some of which are usable resources for human activity
- Dance, 1. Movement, Technique, and Performance- 1.1 Perform dance studies with accuracy
- Dance, 2. Create, Compose, and Choreograph- 2.1 Design a group dance study using the elements of dance (space, time, and energy)

Overview:

The students will be studying earth movements in science; this will provide them with background knowledge. For this lesson the students will work in small groups to define the vocabulary and create a simple movement for each word. They will work together to create a dance phrase to show the different ways tectonic plates move and what occurs due to these shifts.

CRISPA:

- Risk-taking: The students will have to share ideas in a small group and use their bodies to demonstrate movements for terms. They will also have to share their dance phrase with the whole class.
- Imagination: The students will be able to use objects and their bodies to create their dance phrase.
- Active engagement: The students will be working together to create the dance phrase.

Timeline:

- Mini-lesson introducing dance elements
- Collaboration during rotations over the course of one week (about 60 minutes)
- Presentation on Friday

Materials:

- Dictionaries
- iPads
- Science books/pictures
- Music

Activities:

- Day 1: Mini-lesson on dance standards and terminology to be used while the students are creating their movements. During the lesson the students will see and try organic vs. industrial movements and rhythms.
- Days 2-4: The students will collaborate with their group to develop a movement for each vocabulary word. They will create a dance phrase using the moves to show how the tectonic plates move and what occurs due to these shifts. The students can also choose music to go along with their dance sequence. They will use the iPads to record their dance phrase to view and make adjustments as needed.
- Day 5: They will present their dance phrase to the class.

Evaluation:

- A rubric will be created based on the science and dance standards