Earth's Layers Lesson Plan

Teacher: Mr. Ron Davis

Date: September 9, 2014

Identify and diagram the layers of the Earth; crust, mantle, outer core, and inner core, Model the layers of the Earth

Objectives:

Students will be able to identify and diagram the layers of Earth: crust, mantle, inner core, and outer core. Students will be able to model the layers of the Earth

Students will be able to use the vocabulary terms crust, mantle, inner core, and outer core while describing the layers of the Earth.

Assessment: The teacher will be able to assess the students' participation during the activity and their completed diagram.

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| Technology/Materials: Mini Milky Ways bars, plastic knives, plates/paper towels, blank piece of paper |
| Vocabulary: crust, mantle, inner core, outer core, describe |
| Bloom’s: CreatingEvaluation Analyzing Applying Understanding Remembering  Questions: How many layers does the Earth have? Tell me the names of the layers of the Earth? Describe what the crust looks like. Describe what the mantle is. Describe what the outer core is. Describe what the inner core is. Predict what each layer would look like if you were to travel inside the Earth. |
| High Yield Strategies: Identifying similarities & Differences Summarizing & Note Taking Cooperative Learning Reinforcing Effort & Providing Recognition Setting Objectives & Providing Feedback Generating & Testing Hypotheses Cues, Questions & Advanced Organizers Homework& Practice Nonlinguistic Representations |

Instructional Strategies:

Set: Activate prior knowledge by asking questions above. The teacher can show a diagram of the Earth's layers and explain what makes up the layers.

Ask the students what it would be like to actually see the different layers. (The teacher may choose to use a peach to demonstrate the layers of the Earth.) Engage the students by telling them that they will be getting a chance to eat the different layers of Earth.

Model: Show the students a mini Milky Way bar. Ask them what they think a Milky Way bar and the Earth have in common. Ask them if they think that they could make any comparisons between the candy and the Earth. Create a list of comparisons between the Earth and Milky Way Bar that the students offer.

Guided Practice/Strategies: Give students instructions to cut open the Milky Way bar. Make sure that they turn the Milky Way upside down so the bottom is facing up. This will cause the nougat to be the 2nd layer and will model the mantle.

Intervention Strategies: Help students cut open bar as needed.

Accommodations & Modifications (IEPs) Allow students to draw picture and explain orally instead of in writing.

Independent Practice/Activities: Allow students to explore their Milky Way bar and then create a diagram of the Milky Way bar and compare it to the Earth's layers.

Enrichment Activities: Have students create a model of the layers of Earth using other candies. Closure: Have students offer to share their diagrams of the layers of the Earth.

Have students describe how the candy bar is similar and/or different from the layers of the Earth.

Homework: Complete activity sheet