**7th grade SEPUP: Issues and Earth Science: Rocks, Minerals, and Soil Lesson 22: The Rock Cycle Game by Tiauna Washington and Jennifer Eby**

**Time: 45 minutes- 1 hour**

**Hook:** Students will be presented with different types of rocks and predicting where and how the rocks formed.

**Challenge Question:** Where do rocks come from?

**Hypothesis:**

Students will be able to describe the rock cycle process verbally and in writing how their rock was formed

**Necessary Prior Knowledge/Experience:**

Students should have been introduced to the 3 types of rocks and how each are formed.

**Procedure:**

1. Have the students write the challenge questions in their notebooks.
2. Distribute student sheet 22.1 “Geologist’s notes” to each student. Demonstrate how to use the sheet to students.
3. Review the materials lists to make sure they have the materials needed.
4. Review the rules of the game and allow the students to complete the game.
5. Once each group is done with the game, have the students complete the analysis questions as a group for questions 1-6. Questions 7 will be answered individually and in their notebooks.

**Extensions:** None

**Reflections:**

The first thing to be aware of is that there is no clear way to “win” the game so determine this before allowing the students to begin the game. We decided on whoever crossed the start line first. Also the directions require clarification and a demonstration of how to play the game. We felt the rock cards would be better if the picture on the back of each type of rock matched that particular rock. The pictures on the back of the cards are all the same which fails to reinforce the vocabulary of the rock cycle. A better transparency would be helpful and maybe be left up as the students are playing the game. Another suggestion with the transparency would be to use a prompt blank sheet of the rock cycle diagram and filling it in together as a group prior to starting the game.