GPS/Geocaching Lesson Plan

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| Grade Level: | **5** | Subject: | Science | Prepared By: | **Cristel Miller** |

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| Overview & Purpose: to review rocks and vocabulary using observation/thinking skills | Education Standards Addressed Physical Science Standard 1: Properties of Matter and Energy – Describe characteristics of objects based on physical qualities such as size, shape, color, mass, temperature, and texture. 1. Matter has physical properties that can be used for identification (e.g., color, texture, shape). Earth Science Standard 3 Structure of Earth and the Solar System – Interaction between air, water, rock/soil, and all living things. |

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| Objectives(Specify skills/information that will be learned.) | Children will use their knowledge about types of rocks and make observations of rock characteristics to identify different rock samples. | Materials Needed5 rock samples: (I am using pumice, obsidian, gneiss, sandstone, marble) |
| Information(Give and/or demonstrate necessary information) | Defined types of rocks on geocaching sheet, studied a chapter on rocks from the textbook before attempting |
| Verification(Steps to check for student understanding) |  After geocaching we will participate in a class discussion about which rock is which and how they were able to identify the rocks using their previous knowledge of rocks | Other Resources(e.g. Web, books, etc.) textbook as a reference; could also utilize the internet |
| Activity(Describe the independent activity to reinforce this lesson) | The activity is trying to correctly identify 5 rock samples based on observation skills and previous knowledge gained from the textbook. They will have to use thinking skills to apply knowledge about sedimentary, igneous, and metamorphic rock. |
| Summary | This is a fun way to review vocabulary while also utilizing observation skills to apply knowledge about rocks by correctly labeling rock samples, types of rock, texture, and color. | Additional Notes |