**Name: Brad McDannald Date: 11/12/10**

**Lesson Title: Planet Review Grade:5th Grade**

**State/System Standards:**

**GLE 0507.6.1 Compare planets based on their known characteristics.**

**GLE 057.Inq.3 Organize data into appropriate tables, graphs, drawings, or diagrams.**

**Goal: Students will identify, compare, and apply the characteristics of objects in our Solar System.**

**Objectives:**

* **To describe the planets and their major features.**

**Set:**

* **Attention grabber/engage all students:** Tell students that they have been very talkative about space travel and the possibilities. Today we will look at some of the characteristics of the planets and what would be required to travel to one.
* **Relate to previous learning:** What do you think is the biggest challenge in space travel.
* **Relate to real-life:** How realistic is it that we travel as far as Mars in the next 20 years?
* **State the objective:** Today we will identify, compare, and apply the characteristics of objects in our Solar System.

**Instructional Procedures:**

1. Have students complete the Outer Planets quiz.
2. Tell students to open their graphic organizers and explain certain characteristics of the planets.
3. Then show students the “How to Build Your Own Rocket Ship” assignment and explain how the students will need to accomplish this assignment using their graphic organizers.
4. Tell students who need to finish quiz or make up work that they are to work on this before their rocket ship.
5. After completion of rocket ship have students render their planets to show the color of their planet in their graphic organizers and read AR until all have finish. Once students are all finish ask students to get in groups and study their journals together.

**Questions for Higher-Order Thinking:**

How realistic is it that we see a person walk on Venus, Mars or Jupiter in our lifetime?

What would be needed to ensure that we had enough food and oxygen to colonize a planet?

**Closure:**

* **Verbalization of learning by the students:** Tell students to show their rocket and what planet they chose to travel to.
* **Demonstration of skill by the students:** Collect rocket ships and grade by students choosing the correct parts on their rocket.
* **Communicate future learning if necessary:** Monday we will take our test on the planets.

**Adaptations to Meet Individual Needs:**

Help students cut the more difficult shape and rocket parts.

**Evaluation/Assessment:**

Rocket Ship completion

**Materials/Media:**

* Teacher Edition of Science Book.
* Rocket Ship Parts
* Planetary Data Chart
* Student Journals.

**Reflection for Future Modification:**