**Grade 6 Sky Science – Summative Assessment**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SLO #9

SLO #10

Project Choice #3: Exploring Our Planets

**Directions:**

1. Choose to create one of the following to demonstrate your understanding of the other known planets in our solar system and identify similarities and differences between the planets.
2. Create a 3D model to show the different planets in our solar system. Your model should be built to scale, indicating an accurate distance from the Sun and an accurate representation of the size of each planet. You should also include something to illustrate the tilt of the axis for each planet.
3. Create a poster to show the different planets in our solar system. Your poster should be drawn to scale, indicating an accurate distance from the Sun and an accurate representation of the size of each planet. You should also include something to illustrate the tilt of the axis for each planet.
4. Create a set of 9 planet trading cards. Try to design one template that will be used for all of the cards. They need to be informative and attractive. Your final cards must include a picture on the front, with a title and a catchy fact about that planet. The back of the card must have the information criteria from the template below.
5. You must include in your model/ poster/ trading cards must include:
6. A completed planet information sheet
7. Transferred information from the planet information sheet to cue cards (for the model) or onto your poster or onto the back of the trading cards. (See template)
8. Picture or models of each planet
9. Picture or model of at least one moon
10. You must also complete the worksheet attached.

**Cue Card/ Planet Trading Card/ Poster Templates**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Planet Name**

Rotation Time\_\_\_\_\_\_\_\_\_\_\_\_ Revolution Time \_\_\_\_\_\_\_\_\_\_\_\_

Surface Conditions\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance from the Sun\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance from the Sun \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of Moons \_\_\_\_\_\_\_\_ Planet Rank in Size \_\_\_\_\_\_\_\_\_\_\_

One Fact About One Moon \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

One Interesting Facts \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Cue Card/ Planet Trading Card/ Poster Templates**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Planet Name**

Rotation Time\_\_\_\_\_\_\_\_\_\_\_\_ Revolution Time \_\_\_\_\_\_\_\_\_\_\_\_

Surface Conditions\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance from the Sun\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance from the Sun \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of Moons \_\_\_\_\_\_\_\_ Planet Rank in Size \_\_\_\_\_\_\_\_\_\_\_

One Fact About One Moon \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

One Interesting Facts \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet

**Grade 6 Sky Science – Summative Assessment**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Choice #3: Exploring Our Planets

1. Choose one planet to compare with Earth. List 3 facts that are similar about Earth and your chosen planet and 3 facts that are different between Earth and your chosen planet.
2. List three reasons why Earth can sustain life.
3. Choose a planet other than Earth. What are 3 things that would need to change about that planet in order for it to sustain life?
4. Choose a moon from another planet to compare with our moon. List 3 facts that are similar about our moon and your chosen moon and 3 facts that are different between our moon and your chosen moon.