

## SOLAR SYSTEM TRADING CARDS



Name \_\_\_\_\_

Trading Starts March 10

Due Date: March 18

### Problem

How can you create a set of trading cards for the objects in our solar system, including the sun; the inner planets; the outer planets; and the comets, asteroids, and meteoroids?

### Procedure:

1. Select a total of **11** objects from the solar system to investigate. **Include all 8 planets, a comet, an asteroid or meteor, and a star (not the sun).**
2. Gather the materials: (3.5 x 5 inch index cards, colored pencils, markers, printed pictures).
3. Gather information for your cards. Use your, book, internet or other sources, but **do not forget to create a list of citations for any sources you use!** This will be turned in with your final cards. Each card should have at least nine facts about that object.
4. Make a design for your cards. (Note: if working with another student your design should be uniform on all crds.) Your Design should include:

#### On the Front:

- ☐ The Planet or objects name. (Note: choose a specifically named comet or asteroid)
- ☐ A colorful picture of the planet or object (hand drawn, clipart, internet)

On the Back: All Measurements need to be in scientific units...meters, kilometers, lightyears, etc....Miles & American Units will not be accepted....If you are unsure, ask!

- ☐ The diameter or size of the object
- ☐ The period of rotation and revolution
- ☐ Average distance from the Sun
- ☐ Origin of the solar objects name (e.g. named after the roman god of war, or person who discovered the object)
- ☐ Average surface temperature or range of temperature
- ☐ **4** additional interesting facts about the planet (this could include any satellites of the object or missions to the object)

***If the object does not have all of the information required above e.g. distance from the Sun to the Sun is 0, then make sure you have 9 facts about that object.***

5. The information should be **neatly** organized. Place all of the information onto a **3.5x5 index card** (HINT: use both sides, use a chart to organize information)
6. be creative and have fun! You may work with one other person on our team.
7. This project will be graded by your peers and the teacher on the due date.

**TRADING:** Students will have 10 minutes at the beginning of each day starting March. 10. Students **MUST** trade for cards...you are responsible for the cards you choose to trade for. **YOU ARE GRADED ON THE CARDS YOU TURN IN...YOU MAY ONLY KEEP 1 OF YOUR OWN CARDS, AND MAY ONLY HAVE 1 CARD FROM EACH STUDENT....**

**Solar System Trading Card Project- Rubric**



Criteria	Possible Points	Points Earned
Planet/object name	11 (1 for Each Card)	_____
Colored picture	22 (2 for each card)	_____
Five required facts	55 (5 for each card)	_____
Four other interesting facts	44 (4 for each card)	_____
Sources and neatness	18 Points total	_____
<b>Project Total</b>	<b>150 Points</b>	_____

## Solar System Trading Cards - Graphic Organizer



*Complete one graphic organizer per card*

**Name of Solar Object:**

**Five Required Facts:**

**Diameter or Size of object**

**Rotation AND Revolution**

**Distance from Sun**

**Origin of name**

**Average surface temp or range**

**Four *Interesting* facts:**

**1.**

**2.**

**3.**

**4.**

**Sources:**

**NAME:** \_\_\_\_\_  
**WHERE DID MY CARDS GO????**

**THIS IS YOUR PARTICIPATION LOG...You are to record every trade you make & the card that was made.**

**Directions: Must be neat....each activity should be documented and NUMBERED so it is easy to see what you did that day.  
If you were absent...write ABSENT on the date.**

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**3/11**

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