



Solar System Model Project

Over the last few weeks, you have learned about the solar system. In order to show what you have learned, I would like for you to create a model of the solar system to display in the classroom or hall. There are no limits to the project; you can use anything you like (reasonably)! This will be counted as part of your solar system assessment grade, so make sure to do your best.

I encourage you to be creative and show what you have learned. There are some basic rules for your project:

- You must have the Sun and all 8 planets! (You may include Pluto if you wish. But remember, it is now considered a dwarf planet!)
- You must include (or be able to tell me the location) the asteroid belt.
- The Sun needs to be the biggest object. Try to keep the planets in proportion. In other words, Earth should not be larger than Jupiter.
- All objects must be labeled correctly and so I can easily read it.
- The planets should be colored correctly.
- You may use anything you like to do the project, except for a store-bought kit. A coat hanger, a box, dowel rods, Styrofoam balls, computer model, etc. are examples of some items that you may use. Students may complete their project in Microsoft Paint if they choose. **A drawing on a poster (or paper) is acceptable.** Your grade will not depend on how much money you spend. You can literally use the computer to model or even draw the model out on paper and receive full credit.

A rubric is attached to help you and your parents figure out how the project will be graded. Do your best on your model, because you never know who will see it!

Resources:

<https://solarsystem.nasa.gov/planets/overview/>

<https://www.nationalgeographic.com/science/space/our-solar-system/>

<https://www.universetoday.com/72305/order-of-the-planets-from-the-sun/>

THIS PROJECT IS DUE October 10th!

Solar System Project Rubric

Student Name _____ Homeroom _____

	Excellent 4 points	Good 3 points	Fair 2 points	Poor 1 points	Points Earned
Creativity	Student showed large amounts of creativity. All planets are the correct color and imagination has been used when designing the model.	Thought has been put into the project. The planets are close to the correct color and there is evidence of student effort.	Some thought has been put into the project. There is some color and a few planets are colored incorrectly.	Very little or no creativity. No color is used or the planets are all colored incorrectly.	
All planets are found.	All planets are accounted for.	One planet is missing.	Two planets are missing.	Three or more planets are missing.	
Proportion/Scale	All of the planets are roughly proportional to each other.	Most of the planets are proportional to each other.	There a couple of mistakes with the proportions of the planets.	Planets are not correctly proportioned. (Pluto should not be larger than Jupiter.)	
Labels	All planets and are correctly and clearly labeled.	All planets are correctly labeled but are difficult to read or find.	Planets are incorrectly labeled or the labels are almost impossible to read.	Planets are not labeled or the labels are impossible to read.	
Planets are in the correct order.	All the planets were in the correct order.	One or two planets are out of order.	Three or more planets are out of order.	Planets are not in the correct order or many are out of place.	
The asteroid belt is present and labeled or explained verbally.	The asteroid belt is present and labeled.	The asteroid belt is present but not labeled.	The asteroid belt is labeled but not present.	The asteroid belt is missing.	

Total points earned = _____ / 24 = _____.