Mrs. Ruiz
6V or 6G
Science
1/27/207

Speeding Around the Sun: Part 2 Template

Problem: How does a planet's distance from the sun affect the period of revolution?

Hypothesis: If…… then…….

Materials: Make sure to make it in a list or table form and include number of those materials as well as units if needed.

Safety:

Independent Variable: The thing we change or that changes in the experiment.
Dependent Variable: The thing we are measuring to see the effect of the change we made to experiment.
Control Variable: What stayed the same in the experiment to allow for a fair true results

Procedure: Make sure it is detailed and you checked over any of my corrections of your rough draft.

1.
2.
3.
4. …….

Results/Data: *Note this is a sample you should have a data table matching the distances and number of trials you did*

Distance (cm)	**Time of one revolution Trial 1**	**Time of one revolution Trial 2**	**Time of one revolution Trial 3**	**Time of one revolution Trial 4**	**Average time of on revolution**
20 cm					
60 cm					
100 cm					

Bar Graph:
You may create one on the computer or you may simply do it on a separate sheet of graph paper and just attach it to the end of your final report

Conclusion:
Answer question 1-5 from lab in complete sentences. If you do question 6 it will count for extra credit :)

7th question to answer is… Was your hypothesis supported by your experiment or rejected?

Other Requirements:

- **Must be in either Arial 11 point font or Times New Roman 12 point font.**
- **Must answer all conclusion and analysis questions in complete sentences using the questions in the answer**
    - **For example: If the question asks "In your experiment what represents the sun and what represents the planet?" the student should begin answer like so "In my experiment the _____ represented the sun and the _____ represented the planet…..**
- **Table must be created on word or in google docs as I have shown all students how to do this in class.**
- **Bar graph is graphing the averages only and can be done on a piece of graph paper or using tool on computer (Insert→ chart → column)**
- **Students who are unable to print final report out <u>MUST E-MAIL</u> me no later than 7:45 AM on Monday 1/30/2017 or it will be considered late and drop 10% points from grade.**
- **Any questions or concerns please let me know as soon as possible at kruiz@stmaryofthemills.org.**