

Name _____

Date _____

Week 6 Science

May 18 -May 22

This week, we will wrap up our review of the Solar System with a visit to the International Space Station (also known as ISS)!! First, you will read to learn about the ISS. Then, you will conduct a simple experiment and then compare your results to the results of the same experiment conducted on the ISS in space! Finally, you will take a virtual tour of the Smithsonian Air and Space Museum and the Udvar-Hazy Center.

After you complete the experiment sheet and answer the question below the form, please send a screen shot of it to my email freedyak@pwcs.edu or my cell phone 571-488-5046. Enjoy the activities this week!

1. Read about the [International Space Station](#)

Then, click on the link below to take a [tour inside!](#)

2. Read the information below so that you understand what the experiment is all about. Next, neatly fill in the Title, Hypothesis, Materials, and Procedure sections on the right side of the experiment form below. Then, conduct the experiment.

The experiment this week has to do with how water performs on Earth and in space. You will need a container filled about halfway with water and a washcloth or small towel. You will dip the towel into the container of water, observing how the water soaks into the towel. Then, wring out the towel, observing how the water behaves as you squeeze the towel. **Complete the Data and Conclusion sections of the experiment form.**

Experiment Form

<p style="text-align: center;">Title</p> <p>Write a good title for this experiment in the form of a question. The title tells what you are trying to find out by doing the experiment.</p>	<p style="text-align: center;">Title</p>
<p style="text-align: center;">Hypothesis</p> <p>This is your prediction of what you think will happen during your experiment. Write your hypothesis as an "if," "then" statement. For example, If a plant gets water, then it will grow.</p>	<p style="text-align: center;">Hypothesis</p>
<p style="text-align: center;">Materials</p> <p>This is a complete, numbered list of all the things you will need to complete the experiment</p>	<p style="text-align: center;">Materials</p>
<p style="text-align: center;">Procedure</p> <p>List the steps in order to complete this experiment from start to end.</p>	<p style="text-align: center;">Procedure</p>
<p style="text-align: center;">Data</p> <p>Write what happens as you squeeze the towel.</p>	<p style="text-align: center;">Data</p>
<p style="text-align: center;">Conclusion</p> <p>Was your hypothesis correct? Write about what happened based on your own data.</p>	<p style="text-align: center;">Conclusion</p>

Next, click on the link to watch the [ISS video](#). (Scroll down to see the video) to see the same experiment conducted in space on the ISS. How did the water behave during the same experiment conducted in space? Use what you know about gravity to explain why the water behaved the way it did in space. Neatly write your answer below.

3. Click on the link below. Then click on Virtual Tour. Next, click the **Tour the National Mall Building** to see inside the Smithsonian Air and Space Museum. After you finish that tour, click on **Tour the Udvar-Hazy Center** to see real Apollo spacecraft! Very cool! Enjoy the tours!

[Air and Space Museum](#)