

Lori Yesh- Oceans Class, June 2018
Webinar: Brandon Rodriguez

This was an interesting webinar that covered a variety of information, mainly dealing with real-time data, showing us resources available from NASA, and climate change. He gave us mini-lessons on several earth science topics, and introduced us to some current NASA projects.

I enjoyed learning about the resource that NASA puts out called *NASA Earth Minute*. The one he showed us talked about how Greenland is being watched as an indicator just like canaries were put into mines. NASA is watching the sheet of ice for changes to indicate potential big problems for Earth's overall condition. I will look these up for future informational resource help.

He also introduced the satellite called SMAP, and that stood for Soil Moisture Active/Passive. It produced very colorful soil moisture maps. I would like to further explore more what these maps could be used for in the future in the classroom setting. He gave a brief introduction, now it is my job to see how I could apply it to a lesson.

He also did a great job explaining how the Grace Mission maps and collects data about the gravity on Earth and maps it. I think I got a pretty good understanding of it when he showed that equation and showed the sharpie/mountain demonstration. I really liked learning new things, and this was a new mission I had not heard about. I thought it was interesting that they could use the more density/more gravity thing to make a cool map for such an important data piece.

I also liked learning more about global warming from a reputable source. You try to read about things and educate yourself from one source, and then you read something else from somewhere else and you get something conflicting. It just was nice to hear something from one person that seemed knowledgeable and reputable.

I want to try some of the websites out, and I just felt that it was a well-spent hour.

Some resources I want to remember:

email: brandon.rodriquez@jpl.nasa.gov
<https://sealevel.nasa.gov/resources/83/rising-seas-by-decade>
www.jpl.nasa.gov/edu
<http://climate.nasa.gov>

<http://smap.jpl.nasa.gov/>

<http://www.jpl.nasa.gov/edu/>

<https://www.youtube.com/watch?list=PL9TFrgFq75552g7qVa-iTOeuo7Fy11o5f&v=hgsIFyITvJE>

<https://pmm.nasa.gov/education/lesson-plans/earthlabs-drought>

<https://pmm.nasa.gov/education/lesson-plans/precipitation-towers>

<https://pmm.nasa.gov/education/lesson-plans/survivor-earth>

<https://gracefo.jpl.nasa.gov/>

