Rachel Taylor
Endeavor STEM- Shannon Forrey, NASA Social Media
Creativity & Collaboration with @NASAEarth

Notes:
Presentation:
- "I have no special talents. I am only passionately curious" – Albert Einstein
- Wanted to become an engineer. Dad was an engineer. Studied advertising and now getting Master's in space studies at UND.
- Co-leader of @NASAEarth account. 14M followers.
- Create visual graphics to explain concepts
- "Scrolly Telling"
- Creative thinking, instilling curiosity. Creative What do they all have in common? Asking questions, curiosity
- Carl Sagan. Helped to popularize science, made it clearer to the common person. A science communicator through creativity. His parents encouraged him to research his answers.
- The Golden Record. Mounted to Voyager Space Craft. Includes sounds from earth, map to Earth. JPL like to "hide Easter eggs" in their missions.
- Voyager is ~14 billion miles away from work. Wow
- Nasa makes creative images to connect with people /spark their curiosity.
- STEAM Careers- STEM organizations need accountants and designers. Nontradational career paths at NASA.
- "The Studio." Creative hub at JPL.

Questions:
- What comes after a trillion…
- Girl scout involvement at JPL
- The Studio has their own office space at JPL. Find creative solutions on and off lab.
- Opening up the world of careers for students is important. NASA is not all about engineers and scientists. NASA looks for curious thinkers.
- JPL Education Links.
- Artemis? NASAEath is literally Earth science (climate, etc.) Anything that goes out to space is tested on Earth first. "Analog mission." Deseroe Crater. Comparing atmosphere of other planets to atmosphere here.
- What is everyone's favorite Earth Science? What do you want to study?
    - I would like to know more about environmental chemistry- biogeochemical cycles and how they're impacted
- Jackie- NASA is much more than space, and students are excited/interested when they realize this.
- NASA climate data. You can see all satellites in real time. Great visual data sets.
- Diversity in the way that they share info for diverse learners
- Shannon.Forrey@jpl.nasa.gov

My Response:
This session actually really resonated with me, because I am currently hosting a program for my students called "Careers in STEM." Each Wednesday, I've been able to run a Zoom presentation with a STEM professional. It's open to all grades, and usually about 80 students show up. They've been able to hear from/talk to an aerospace engineer, biomedical engineer, endodontist, medical school student, and a psychologist so far. Many students are interested in science, but they are unaware of the possible career paths- they think that if they're interested in biology, their only option is to become a doctor. I think it's important for students that are interested in science to know that there are career paths for everyone! The students have had a lot of great things to say about the program so far, and all of our speakers have been fantastic.

I loved how the Shannon emphasized the many career paths at NASA- it's not just a place for astronauts- it runs off of creative individuals as well. There are jobs where art and science, or business and science, or even history and science intersect- something that our young minds should be aware of! In fact, last night I had parent-teacher conferences, and I was chatting with the parents of a student who had shown incredible improvement. They're really excited about his interest in science and said that maybe he'll go on to study science in the future. They mentioned that while they were in Florida, their son has asked to go to the Kennedy Space Center and that he said he wanted to work at NASA. I told them that it was funny they mentioned that, because I had just heard a presentation by someone from NASA who talked about the variety of careers. We continued to have a great conversation. In the classroom, it is our job as teachers to spark interest. And, if students are curious about and interested in science, it's also important to expose them to the numerous pathways for a careera in STEM.