

The STEM on Station team is part of Education which is part of the External Relations organization (ERO). ERO has traditional goals based around BHAG (Big Hairy Audacious Goal). The BHAG model is simplified to a saying: Everything we do stimulates actions by others to advance human space exploration. The STEM on Station education initiative is a project focused on bringing off the earth research and learning into classrooms. Educational resources such as lesson plans, activities to connect with the space station and STEM related contests are available and hosted by the STEM on Station team along with their partners such as Texas Instruments. These educational activities engage teachers and students in the current happenings aboard the international space station, inspiring the next generation of space explorers.

The very first project I was assigned was to work on a bulletin board located outside the astronaut offices. This bulletin board informs readers of STEM on Station and other educational initiatives they can bring with them to public speaking events. The information and handouts were designed and selected with astronaut speakers in mind. The design and upkeep of the bulletin board has been part of my intern project. This includes replacing handouts as well as changing out information when it becomes out of date, or more relevant information becomes available.

STEM on Station has created education kits with help from universities such as Texas State. As I began my internship Kit 3 had been designed and was beginning to be made into a set for use across NASA centers. The previous kits have been used at workshops, visitor centers, classroom visits and more. Kit 3 is smaller and easier to obtain for use within a teacher's classroom. It includes easy to access objects like Popsicle sticks and sponges to explore the difference between a gravity environment and a microgravity environment. In the second week of my internship I helped Katie do a trial run of the Kit before it was used at the Space Exploration Educators Conference later in the month. I later helped take photography of the kit for use in the guide included. 30 kits were then packaged and shipped with a specially designed what's inside card before a Digital Learning Network (DLN) training took place May 4th and 11th.

A previous team titled Teach Station had created a booklet for basic information on the International Space Station (ISS). My largest project was to update and redo this entire booklet with the newest ISS facts. These can be printed and distributed as well as being available online for use in classrooms. The booklets bring a lot of information to the classrooms in an understandable way. This will allow educators to have a single location to go find information on the ISS when bring it into their classroom. The booklet also directs the educator to useful links and videos such as the Day in The Life Astronaut Video and the STEM on Station main webpage.

ERO has a group project for each intern team. This semester the 5 ERO interns, 3 in Education and 2 in Public Affairs worked together to update the Johnson Space Center Homepage with a short paragraph about JSC. The team also updated the internal JSC need to know pages for use across the center. The third part of our group project was to update many of the outdated fact sheets. I updated two of the ISS overview fact sheets, created a Historic Mission Control fact sheet and updated the NASA Education fact sheets. As a team about 15 fact sheets were updated and are currently going through graphics to be formatted and posted.

As the STEM on Station intern I also helped with a multitude of smaller tasks to help other team members. For Cindy I created a video and the historic mission control fact sheet for use at the 100k in 10 event happening at the end of April. Cameron and I helped education by bring Cosmo the blow up astronaut to the Houston rodeo. HRP is creating an ISS video game, I pulled lesson plans and shortened them to easy DIY activities to be placed in sections of the video game. I helped at the Space Exploration Educators Conference (SEEC) with team presentations as well as at the STEM on Station Booth. For

Micro-g NExT I helped create a separate video for all three test weeks using last year's test photographs and this year's teams outreach photographs. For mISSion imaginaTion I went to the video filming and listened in on all the conference calls the team had with Texas Instruments. I will also be helping to read contest submissions beginning May 2nd. I provided meeting support with other weekly meetings and special meetings such as 4H, ICP, and Debriefs. I've also provided support for Stacey in downlink 101s and I will be helping to go through downlink proposals that have been sent in for this fall. Last I created a standard thank you card for the STEM on Station team to send out to their partners.

As an intern I feel I have had a rewarding experience allowing a lot of outreach activities, tours and networking. I also feel as though I gained valuable skills on how to work as a team in a professional work place. I will be completing another co-op period in the fall and I hope to have the opportunity to come back to a NASA center. I will graduate in 2017 with a B.S. in Mechanical Engineering and a minor in Aerospace with my goal being to work in NASA and space exploration.