

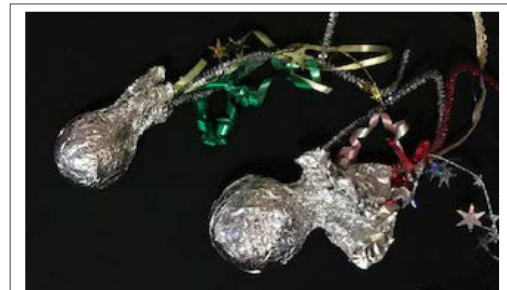
National ACE “Special” Science Teacher:
Mrs. Mary Janet Bryant
Teacher, Parent Volunteer, and CAP Member
The HIVE Special School- 5th and 6th Grade
Bowling Green, KY

Mrs. Mary Janet Bryant has a passion for all things science and has impressed that love upon the students at The HIVE special school. Also, as the commander and AE officer at GLR-KY-502 Bowling Green Sr Squadron, Capt Mary Bryant is hoping to reach the students at the HIVE using CAP’s ACE and STEM Kit programs.

The HIVE school is a place where young adults with all types of disabilities come together to work on social skills, daily living skills, job skills, and fun educational activities. Mrs. Bryant is a teacher and a parent of a special needs son. Seeing how COVID had affected the students and their desire to get back to learning, Mrs. Bryant (aka Capt Bryant in the CAP squadron) volunteered to offer to teach lessons about aerospace. She not only provided lessons in STEM but incorporated history, literature, music, and art into the lessons, just as the ACE program is designed. As a teacher, she believes that all students can learn and their disabilities do not define them as a person. When everyone is having fun, they don’t realize how much they are learning. And, fun learning is what Mrs. Bryant likes to deliver! Lessons taught this year about aerospace:

- Animals in space
- Comets and asteroids
- Hot Air Balloons
- All About Space Suits
- International Space Station
- The Nuts and Bolts of Working in Space
- Balsa Airplanes
- Fizzy Rockets
- Paper Airplanes
- Bernoulli’s Principle with Bernoulli Bags

Comet or Asteroid

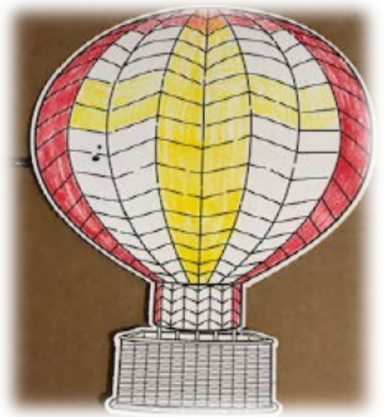


We learned the difference between a comet and an asteroid and what they are made of- a dirty ball of ice in the middle! We learned about some of the most famous comets and if you discover a comet you get to name it! We enjoyed making and naming our comets. We even made eatable comets!

Tornadoes hit the Bowling Green community and the HIVE building took a direct hit which caused lots of damage and loss of supplies, but Mrs. Bryant made sure the students never missed an opportunity to learn aerospace and STEM. She set up the weather station so the students could connect their ACE lessons and the actual weather tracking. WKU meteorology students came to the school and did a demonstration as did a planetarium team member.

Nathan says, "everyone at the Hive loves Aerospace Day."

Angie said, "the activities are so much fun, we are learning lots of new things!"



How high can you build a tower using spaghetti and marshmallows? A lesson in engineering and tenacity!

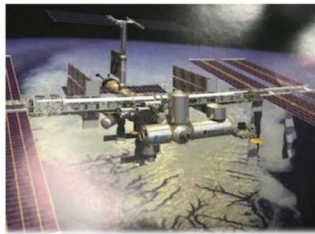
How do Astronauts work in space ?

The nuts and bolts of what it's like.

We did a simulation of working in space by manipulating objects while wearing ski gloves, oven mitts, and military arctic mittens. The activity consisted of stacking coins, fasten D-rings together, and screwing together nuts and bolts. The consensus was this was really hard to do



The International Space Station



What would a view of the earth look like when looking out a window of the International Space Station?

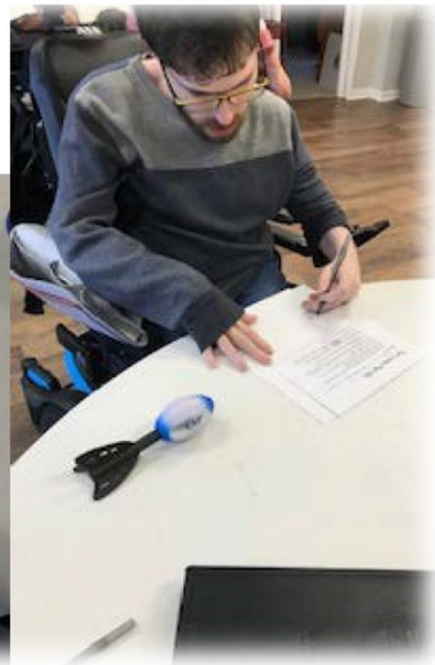
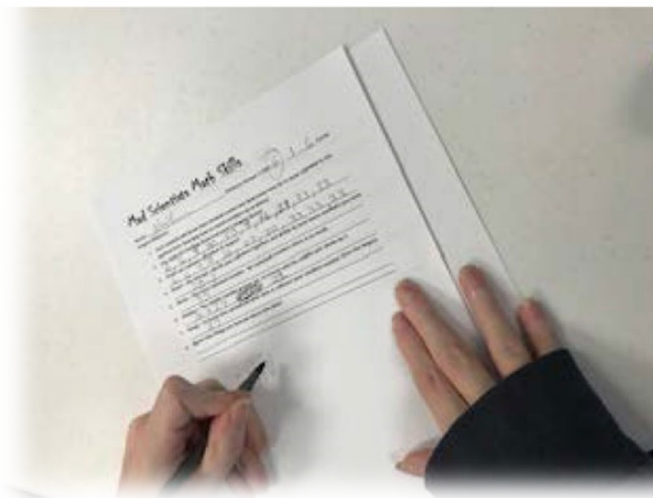
After making their own ISS models, doing space art added a bit of color to the lesson!



The sixth grade Rocket Footballs brought lots of opportunity to have fun throwing the footballs and then measuring mean, mode, and median and translating that into relevant life skills such as balancing a check book and even losing weight.



Collecting and writing down your data and information.



Thanks to Mrs. Mary Bryant, ACE teacher, for working with these special students using the ACE program to provide structure and engagement for the students to learn and to translate learning into life skills!