

STEM in the News

Due to Covid-19 women have been urged to take a stronger role in their communities. They have not only become more recognized as influential, but also as heroes in their communities. In case you didn't know, it was a woman who actually created the covid vaccine that is now saving millions of lives. International Women's day was created to celebrate and show the importance of women to us as humans and as a society. It is celebrated on March 8 around the world.

"Don't let anyone rob you of your imagination, your creativity, or your curiosity. It's your place in the world; it's your life. Go on and do all you can with it, and make it the life you want to live."

- Mae Jemison

STEM Career Spotlight

Do you like picking out or do you dream of creating stylish clothing? Then you should consider becoming a fashion designer. The job is pretty straightforward and you will be designing clothes for people. You may use a sketchbook, some computer graphing, or just some online pictures collaged together. You will need a bachelor's degree in fashion design to get into this field of work. The hourly pay is usually around \$35.48 and the yearly salary is usually around \$73,790.

STEM in History

International Women's Day has been noticed since the early 1900's during a time of great expansion and conflict in the industrialized world that saw a booming growth in the population and a rise in radical ideologies. The critical debate was occurring amongst women. Women's inequality and oppression was encouraging women to become more active and vocal in campaigning for change. Then in 1908, 15,000 women marched through New York demanding better pay, shorter hours, and voting rights. A woman named Clara Zetkin proposed the idea of an International Women's Day. She proposed that every year in every country there should be a celebration on the same day to press for their demands. To this day, women still continue to fight for their rights and the world has witnessed a significant change in society's thoughts about women's equality.

Resource: <https://www.bbc.com/news/world-56169219>

STEM Across the Curriculum

Women's International Day Gifts

Discipline: Math, Art

Activity: Origami Gifts

Origami is a great way to learn symmetry and transformations in geometry. Create origami gifts for any woman in your life. Decorate your origami with colorful drawings.

STEM Movies

In the 2019 movie called *Captain Marvel*, an extraterrestrial Kree warrior finds herself caught in the middle of an intergalactic battle between her people and the Skrulls. Living on Earth in 1955, she tries to uncover the secrets of her past while harnessing her special superpowers to end the war with the evil Skrulls. This movie celebrates all women in STEM, like the main character who is working hard to defeat evil to save her home.

“Women themselves have the right to live in dignity, in freedom from what and freedom from fear. On this International Women’s Day, let us rededicate ourselves to making that a reality.”

- Kofi Annan

#STEMatADM Spotlight

Before COVID hit our schools, Alice Drive Middle School offered a club to girls who were interested in drones. It was called She Flies. Some of the things they did was explore the various aspects of drone piloting including equipment, safety, building, piloting skills, site/field evaluation, content editing, and exploring industry entrepreneurial and professional opportunities in future. We hope that once everything is back to normal next year, we will be able to offer She Flies Drone Club again. Let us know if you are interested in being a part of this club.

Famous STEM Person

Katharine Burr Blodgett was an American physicist and surface chemist, most famous for her invention of invisible or non reflective glass. She was the first woman to be awarded a PhD in Physics.



STEM Challenge

Would you like to make an indoor constellation?

Materials: 1 flashlight, paper, empty toilet paper roll, pencil, tape

Step 1: Attach the paper to one end of the tube using tape.

Step 2: Poke holes in the paper with the pencil, mimic a constellation or create your own!

Step 3: Use the flashlight to shine through the open end of the tube and point it to a wall!

Step 4: Now you have an indoor planetarium and completed an activity revolving around one of Williamina Fleming and Anna Jump Cannon’s accomplishments.

STEM Video

The world strives to achieve full and equal access to and participation in science for women and girls, and further achieve gender equality and the empowerment of women and girls. Celebrate International Day of Women and Girls in Science with us:

<https://youtu.be/ee8OVeCNRGo>