

Ambassadors

Newsletter

March 2025



March in Review

March was a busy and exciting month for our STEM Ambassadors! From competitions to outreach events, we engaged with students, judged innovative projects, and inspired the next generation of scientists and engineers. Here's a look at what we accomplished this month



3D Printing Workshop

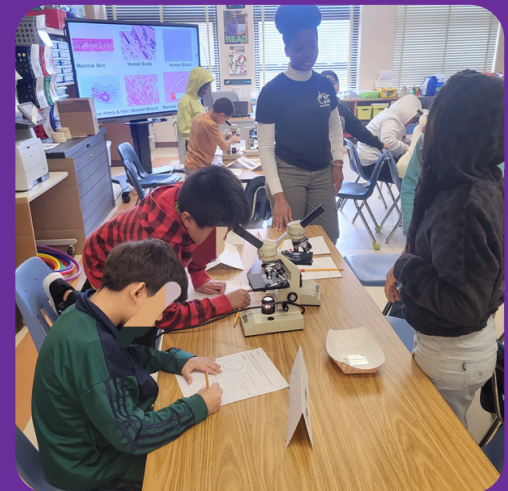
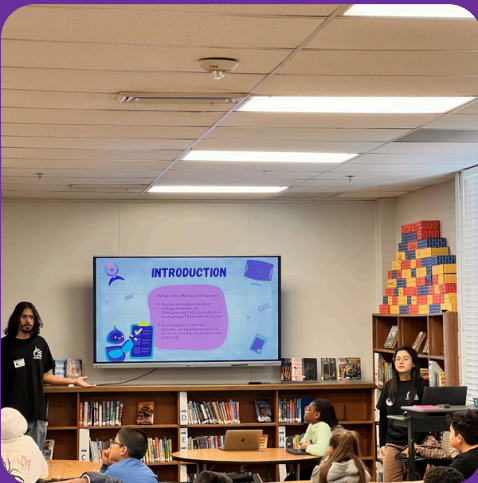
STEM Ambassadors taught nearly 100 students through 5 middle schools the basics of 3D printing over spring break. The students first received a presentation that explained what 3D printing is, how 3D printing works, the parts of a 3D printer, and the relevance of 3D printing in today's career landscape. This presentation was followed by a step-by-step lesson, led by Mateo Nikitin and Jacob Roth, through the program Onshape to teach them how to customize a keychain. The STEM Ambassadors occasionally assisted the students as they independently worked on Onshape. This valuable lesson allowed middle school students to become familiar with the world of 3D printing, allowing them to explore the STEM field and bringing out their interest in technology and STEM.

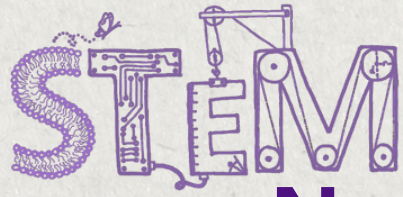
Mathical Expands!

Our ambassadors visited Strathmore elementary school for an interactive lesson plan about components of a computer (see photo on left).

Another mathical program was this engaging microscope activity at Cannon road elementary school.

The students enjoyed using a microscope, and observing some parts of their body on another scale (see photo on right).





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MC Foundation Board

STEM Ambassadors had the chance to share their experiences at Montgomery College with MC Foundation Board members. This event allowed students to highlight their academic journeys and the impact of STEM programs while gaining insight into the board's role. Thank you to all who participated!



Did You Know?

A human stomach can dissolve razor blades?

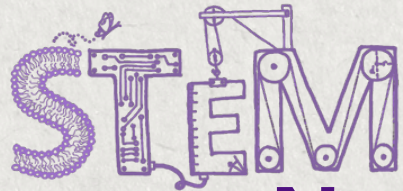
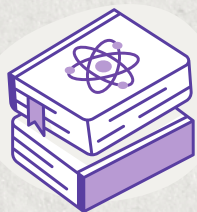
Difficult to believe right? The acid in our stomachs is made up of hydrochloric acid, potassium chloride, and sodium chloride. This acid has a pH level between 1.0 and 2.0, making it highly acidic and corrosive. Nearly as corrosive as a battery acid! The acid then is able to dissolve razor blades.

Not that anyone should try this at home!

Networking Event

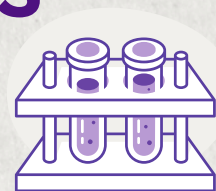
On March 31, Ambassadors participated in the Biotech Networking & Job Fair as a STEM Ambassador, assisting with registration starting at 8:10 AM. The event brought together biotech companies and industry professionals who shared insights on crafting the ideal resume for careers in biotechnology. Attendees had the opportunity to network with company representatives, explore job opportunities, and receive personalized resume reviews to enhance their applications.





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STEM Avenue Continues!

Our ambassadors are on campus engaging students in STEM trivia with questions in subjects such as physics, chemistry and calculus!



MCPS-MESA Judging

Our Ambassadors took part in evaluating incredible STEM projects for the MCPS MESA Program. Students presented creative solutions for challenges like building Lunar Landers,

Wearable Tech, and Community Clean-Up devices. The innovation and problem-solving skills on display were truly inspiring!

STEAM Showcase at Hoover

STEM Ambassadors joined the Hoover STEAM Showcase, leading interactive activities and hands-on experiments for students and families. We demonstrated exciting STEM concepts and encouraged young minds to explore the world of science, technology, engineering, arts, and math!

Upcoming events - Get Involved!

April 24th - Summit Hall Elementary School STEAM Night (Location: MC GT CAMPUS)

April 24th - "Take your Child to work day" event
Germantown Campus

April 27th - Rockville Science Day (Location: MC RV CAMPUS)

Scientist Spotlight: Tim Berners-Lee

A scientist who forever revolutionized technology - Tim Berners-Lee. Tim Berners-Lee is a computer scientist who invented the World Wide Web (WWW) which is a system of organizing and accessing the information on the Internet. By developing the first web browser, Berners-Lee completely changed commerce, communication, and access to information worldwide.

