Welcome to PowerU

CONGRATULATIONS You or your child just completed an immersive experience called POWERU. They were able to explore the world of technology & engineering as well as learn about the exciting possibilities in STEM!

In this 2-part modular experience, students were exposed to a few of the many black pioneers in history as well as current and emerging tech related careers.

In the first **TECH ESCAPE** experience, students completed four missions by using their critical thinking and problem-solving skills. In these missions, students learned about:

- ***Marie Van Brittan Brown*** *– invented the first video home security system in 1966. It consisted of peephole, a sliding camera, television monitors and two-way microphones. This created a system called closed circuit television system for surveillance... also known as CCTV. Her invention paved the way for the technology we use today.*
- ***Garrett Morgan*** *– Notable inventions: sewing machine, traffic light, gas mask. The gas mask was instrumental in saving lives by protecting the wearer from smoke and ammonia.*
- ***Mark Kean/Dean*** *– co- inventor of IBM's original personal computer and the color PC monitor changing how we interact with the internet. This technology has allowed for the creation of keyboards, printers and all the things that connect to your computer…*
- ***Dr. George Grant*** *- Dentist who invented the golf tee.*

In their second experience, **TECH MISSIONS**, students applied those same skills to complete one of three missions to solve real-world, current-day problems. Powered by Learning Blade, students completed a series of tasks where they learned about the tools and team members needed to solve a problem.

Now YOU have been assigned a mission! To continue the journey into exploring STEM. You can get started by talking with your child about what they learned in POWERU and what they found interesting.

Effective STEM learning requires skills to not only analyze information and evaluate designs but also to create new ideas and propose creative solutions. The puzzles that were solved as part of the POWER U experience required logical reasoning and critical thinking skills which are the foundation of success within the field of STEM.

There are many high-paying in-demand STEM careers. The Bureau of Labor and Statistics projects that industrial engineers will experience a 14% job growth between 2020 and 2030 and job growth for information security analysts will grow 33%!

Almost all STEM careers require a college degree and can be found in industries ranging from technology to healthcare to business. Click here to learn more about career paths in STEM or visit Learning Blade and click the "**Career Links**" document for a consolidated list of career opportunities.

Start exploring exciting STEM careers and technologies now via Learning Blade!

i. Access Learning Blade here using student self-sign-up code, **e2a69c**
ii. Create a login
iii. We highly suggest that you start by viewing the "**Site Introduction** "video under the Resources button in order to get familiar with all the wonderful features Learning Blade has to offer. Here you will also find various Design Thinking Activities Home discussion guides and other activities to stimulate an interest in STEM.
iv. Navigate to "**My Missions**" to explore additional lessons that you can complete with your child.

- Additional information regarding STEM:
  - Learn more about Learning Blade, conversations you can have at home about STEM opportunities, and additional activity worksheets: https://web.learningblade.com/Resources
  - Careers in Stem: https://www.learnhowtobecome.org/career-resource-center/careers-in-stem/
  - Learn more about the 5 C's of STEM education here: https://goglobalways.com/blog/steam-focused-education-5cs-benefits/

- Learn more about ITSMF here!

POWER54 & ITSMF POWERU!