**When:**  Saturday, October 27, 2018  
- 3rd-5th Graders: 8:00am - 10:00am  
- 6th-8th Graders: 10:30am - 1:00pm  
- 9th Grade and above: 8:30am - 1:00pm

**Where:**  Hylton Performing Arts Center,  
10960 George Mason Circle, Manassas, VA 20110

**Join future builders to:**
- Touch, Experience and Engage with Technology
- Ignite your Imagination with New and Exciting Opportunities
- Blaze a New Path: Connect with Mentors Who Have Gone Beyond the “Been There Done That”

**Register:**  This event is free of charge, but registration is required.

CLICK TO REGISTER

Use Code: GirlsTechDay
Kimberly Lane
Ask A Techno Girl
A nationally recognized, award-winning educator and speaker, Kimberly coaches hundreds of educators in computer science integration, diversity inclusion strategies, blended learning strategies, and educational technology. In 2016, she was selected as the third cohort of the TED-Ed innovators and she currently serves as the 2018-2019 ISTE Computer Science Network president. Kim’s blog ASK A TECHNO Girl connects women of all ages to technology and coding resources around the world.

Lisa Winter
Robotics
A roboticist since childhood, Lisa has over 20 years of experience designing and building robots. Named one of the top 25 women to watch in robotics by Robohub, Lisa has been inventing and rapid prototyping connected devices since the beginning of the IoT movement. In 2017, she helped launch Fisher Price’s first and only wearable baby monitor. Lisa recently joined an early stage startup, working on the future of construction. Lisa mentors kids in robotics and is working with a team to make and deploy an orangutan tracking device aimed at saving the species.

Erika Bergman
Submarine Pilot and National Geographic Explorer
Erika Bergman is a submersible pilot, a virtual reality engineer, and an enthusiastic ocean explorer. She earned a Bachelor of Science in Chemical Oceanography while working as a marine diesel engineer and a steamship engineer. In 2013, she was named a National Geographic Explorer for her “Classrooms Under the Sea” Expedition -- live streaming video from submersibles. Currently, she serves as the Chief Pilot for Aquatica Submarines and a Producer for National Geographic. Erika founded GEECs, Global Engineering & Exploration Counselors, providing a network of engineering camps and mentorship to girls around the world.

Amazing women of Amazon Web Services:
• Cat DeLeonardis: Senior Manager, Product Management - Technology
• Chandana Koti: Technical Project Manager, Corporate Infrastructure
• Ladan Mahabadi: Machine Learning Scientist
• Cate Nestor: Software Development Engineer
• Nicole Dolan: Software Development Manager
• Kristen Barsky-Harlan: Program Manager, Infrastructure Global Expansion
Program

Grades 3-5 & 6-8
Robotics & Coding

Exciting, Engaging Decode Coding: Take the Ozobot Bit Challenge
With the stroke of a magic marker, our future tech leaders will learn the basics of software engineering and coding through exercises that show a robot can only accomplish what it is programmed to do. Put each BIT robot to the test through a maze or obstacle course programmed by you. Customize your BIT bot with stickers and DIY accessories, from bunny ears and bow ties, to lightning bolts and flowers, to show individuality and creativity. This session is designed to be inclusive and fun.

Environmental Stewardship & Problem Solving: Coding is the New Team Sport for Future Tech Leaders and Innovators
Solve real-world science and technology challenges by programming Dash and Dot through a series of obstacles. Teams of 10 will work closely with mentors, and on their own, to develop problem-solving and creativity skills while building meaningful relationships with their peers and having fun! Each session will provide beginner to advanced level coding opportunities.

Themes include:
- Zooloose: Find a group of zoo animals who have gone on the prowl.
- Mission to Mars: Navigate through an asteroid field to get to Mars.
- Deep Sea Discovery: Take an underwater challenge to sample, collect, and document exciting discoveries.
- Along with a few more obstacle surprises. Find your way to solving problems for today, tomorrow, and forever.

Grades 9-12

Film Production #101:
Technology and Creativity in Motion: Join the exciting world of filmmaking with faculty, equipment, and technology from the George Mason University Film & Video Studies program. Focus on both artistry and skill building with a Film #101 class followed by shadowing a real production crew. Groups will help create, produce, and experience a post-production demo. A short film of the event will be completed and sent out via digital media.

Girl Power Gaming:
My superpower is coding! What’s yours? From beginner to intermediate, our Wonder Woman and Combat Code gaming session allows you to design, create, and code your own game.

Ages 18-24
Blaze a New Path

Connect, Engage, and Activate:
Meet one-on-one with nationally recognized trail blazers with careers in computer science, technology, robotics, and engineering. Hear their stories, challenges, and successes along the way. Create your own map to the next move in your career with experts from George Mason, community college, Year Up, and others.

Girl Power Gaming:
My superpower is coding! What’s yours? From beginner to intermediate, our Wonder Woman and Combat Code gaming session allows you to design, create, and code your own game; then challenge your friends.

Shaping your Future with Tech:
Curious about cyber security or cloud computing? Passionate about machine learning? Join us for interactive sessions to learn more about cutting edge technologies shaping the way we all live and work. Start your path to becoming a tech expert!

TECH EXPO: STEM/STEAM in Motion
Meet members of George Mason University’s Robotics Team; build a robot out of recycled boxes and make them move; Break Boundaries with OCULUS VR Lounge or play with LEGO Bricks, Cubelets.
Community Collaborators

This program is independent from George Mason University