

## STEM on the Lawn, Presented by UF | Florida Semiconductor Institute (FSI)

Exhibitor	Activity	Activity Description
Flapmax	FLAP-0 AI Cubesat Science Experiments	Explore how satellites the size of a tissue box can run powerful AI models in space! Students can build, simulate, and explore their own satellite experiments, all powered by the same energy-efficient chips used in today's most advanced tech.
Play Piper	Hands-On STEM with Play Piper	Engage with Play Piper kits to learn about and build working tech tools and toys!
Lauda-Brinkmann	Thermoelectric Exploration	Learn how semiconductors can help cool processes in new, compact ways and how thermoelectric devices work!
EQulPD Program/Department of Materials Science and Engineering	STEM in a BOX	Featuring Microbit, Arduino, and resistor tube activities, explore lessons that are used in real STEM camps.
PK Yonge FTC Robotics Team Steel Eels	Robotics Showcase	Check out the Steel Eels' robot, learn more about their game challenge, and explore FIRST Robotics.
PK Yonge FTC Robotics Team Roaring Riptide	Roaring Riptide Circuit Spin Lab	Ready to build a cool spinning toy powered by electricity? Just like robots use motors, you can build a mini motorized machine!
Ozobot	Ozobot Chip Quest: Spark the Circuit!	Program Ozobots to navigate circuits, learning how semiconductors power tech through fun, hands-on coding and interactive challenges.
UF American Institute of Chemical Engineers (AIChE)	Thinking Like a ChemE: Building a Humanitarian Filter	Build a water filter using common, everyday objects! With the help of materials and science, you can help clean the water system and move one step closer to a better, cleaner Earth.
Nanoscale Research Facility (NRF)	Spy(der)ing on the Nanoworld	Are your spidey senses tingling? We'll be getting up close (very up close ~50,000X magnification!) and personal with a tiny jumping spider using our Scanning Electron Microscope (SEM). You can also use one of the light microscopes "in the field" to zoom in on microchips, insects, and more!
Digital Worlds Institute	Virtual Reality Experience	Experience a virtual reality game developed by the research teams at University of Florida, designed to teach the fundamental steps of semiconductor manufacturing. Explore key concepts and technology while using MetaQuest VR!
University of Florida Math Circle	Math Circle	Join the UF Math circle for some exciting mathematical games and activities from their weekly meetings! Test your arithmetic and ingenuity against some of the best mathematicians out there.

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Shiva Robotics Academy	LEGO Robotics Activity	Customize, code, and build with the LEGO Pinball game! Also check out some amazing robots, demonstrating the power of coding.
Hands On Gainesville, Inc.	The Konisberg Bridge, Tying Shoelaces and other Topology Activities	Engage in fun, hands on activities in a new and unique way!
Florida Museum	Butterfly Launching	Curious about butterflies? Learn more about the insects while participating in a fun, adventurous activity!
Play Piper	Experience Hands-On STEM with Play Piper!	Come experience hands-on STEM and build skills in coding, circuitry, and computer science with Play Piper! We blend physical building and visual storytelling to inspire the next generation of STEM innovators. With our products, students in Grades 3-8 learn the basics of engineering, coding, and computational thinking - all while building confidence, developing STEM skills, and providing a bridge to career-connected learning.
Koding Kids: Adventures in STEM	Meet the Koding Kids	The Koding Kids book series introduces children to the fun and creativity of coding through hands-on, interactive activities. At our booth, participants can explore Scratch programming on computers and bring their own animations or games to life. They'll also get to try an engaging 8-bit activity to simulate counting in binary, connecting computer science concepts to real-world technology.
Florida Engineering Society	Candy Catapult	Building a small catapult out of rubber bands and popsicle sticks. We will have candy that the students can use to catapult at a small target.
TutorGNV, LLC	Math Magic	Our tutors will guide learners through several interactive math exercises designed to seem like magic, but will actually be based on known math concepts. Interactive exercises will include creating math objects such as Mobius loops and guessing the correct number using a series of mathematical operations. We may present several interactive activities depending on grade level of audience.
Academy of Robotics and Engineering (Professional Academies Magnet at Loften High School)	Robotag	We will have a tag game with 3-4 robots in a small field area. They will play freeze tag together.

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Phenomenal STEMist and Associates, LLC	Microscopes, Molecules & Milestones: Celebrating African American Scientists	This hands-on exhibit invites visitors to explore science through working microscopes, anatomical and molecular models, and an inspiring poster of famous African American scientists. Participants can view specimens, handle models, and build their own chemical structures to better understand molecular science. The activity blends interactive learning with history, celebrating diversity in STEM while encouraging participants to see themselves as future innovators.