



SySTEMic Solutions STEM CAMP



Inspire your kids in STEM through our exciting 2014 Summer
STEM Camps in Fairfax County!

NXT ROBOTICS CAMP

& SCIENCE INVESTIGATION



A one week camp for rising 4th - 6th graders. Students (in groups of 3) will build an autonomous robot to carry out pre-designed missions. For the majority of each day students will design, build, and program a LEGO NXT robot that will operate autonomously to compete against other camp teams. Science investigation activities will also be performed by the students throughout the week. Students will learn project management in a team setting, how to build with the Lego NXT system, and basic programming of the NXT.

Cost is \$285.

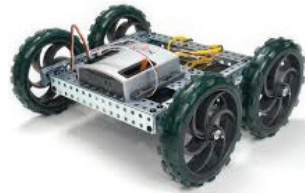
July 7-11 & July 14-18

South Lakes HS - Mon-Fri 9am-4pm

July 21-25 & July 28-Aug 1

Thomas Edison HS - Mon-Fri 9am-4pm

VEX 1 ROBOTICS CAMP



This one week camp introduces rising 7th - 10th graders to competitive robotics through the VEX robotics design system. In groups of 4, students will build and program a robot to operate on a field by remote control and through an autonomous program. Eight teams will compete in a final camp competition. Students will learn basic computer programming in robotC by programming a virtual robot to complete challenges in a virtual world. The importance of STEM education and opportunities to pursue STEM during the school year will be shared with students and parents.

Cost is \$285.

July 7-11 & July 14-18

South Lakes HS - Mon-Fri 9am-4pm

July 21-25 & July 28-Aug 1

Thomas Edison HS - Mon-Fri 9am-4pm

CYBER SECURITY CAMP



Designed to provide rising 9th - 12th grade students with knowledge and hands-on experience in cyber security and introduce them to the many career opportunities in this growing field. In partnership with Marshall Academy, this week-long camp will increase students' knowledge of networking and computer security, including attack and defense strategies, through tutorials and hands-on activities. The camp will culminate with a mock competition against cyber camp participants from Chantilly Academy.

Cost is \$185.

Aug 11-15

McLean HS - Mon-Fri 9am-3pm

Register at www.nvcc.edu/systemic/camps.html

For more info contact Charles Britt | STEM Education Coordinator
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