



Summer 2019 STEM Opportunities for Middle and High School Students

VEX IQ Robotics Camp for Students in Grades 5-7

June 17-21, 8:30am-2:00pm (M-Th), 8:30am-12:00pm (F)

(Rising 5th - 7th graders eligible; on OCtech campus; \$50.00)

The VEX IQ Robotics camp will provide an introduction to the VEX IQ platform and RobotC programming software. Students will build a clawbot from scratch to then compete in various games, both autonomously and driver controlled.

VEX IQ Advanced Robotics Camp for Students in Grades 6-8

June 24-28, 8:30am-2:00pm (M-Th), 8:30am-12:00pm (F)

(Only students who attended an introductory camp in 2017 or 2018 may register; Rising 6th - 8th graders eligible; \$50.00)

The Advanced VEX Robotics camp will provide students who are familiar with the VEX platform an opportunity to take things a step further. Students will build a more advanced robot to then program to do various autonomous tasks and games.

Advanced Manufacturing and TDL Technologies Camp for Students in Grades 9-10

Two Sessions Available:

July 8-9, 9:00am-4:00pm and July 10-11, 9:00am-4:00pm

Both sessions attend Industry/Distribution Center Tour on Friday, July 12

(Rising 9th - 10th graders eligible; on OCtech campus; \$50.00)

Students will learn about all stages of the advanced manufacturing process including product design, robotics for assembly, and transportation/distribution/logistics. Students will be introduced to technologies including Oracle NetSuite software for supply chain management, CAD/CAM, and 3D printing.

Fliers and applications for these camps will be available soon.

Camps will be held on the OCtech campus, 3250 St. Matthews Road.

Please send questions to:

Debbie England, 803-535-1308 or englanddl@octech.edu

More information on NSF-ATE Project RAMP (Robotics and Automated Manufacturing) and NSF-ATE Project Simul-ATE (Advanced Manufacturing and Transportation/Logistics) can be found at: <http://www.octech.edu/about/grant-resources>