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Summer Robotics Workshop: An introduction to the world of robotics, science and technology

FLATE Center for Manufacturing is partnering with Hillsborough Community College and Dowdell Middle School to host a workshop designed to educate middle school students about robotics and its application in modern manufacturing operations.

During this week-long event, students will learn how to build Lego® Mindstorms® robots, program it to follow specific commands, and be part of a series of robotic challenges. Students will also tour the CRASAR (Rescue Robot) labs at the University of South Florida, learn about underwater ROVs (remotely operated vehicles), examine careers in modern manufacturing, and hear presentations by local hi-tech firms.

Curriculum for the workshop is based on the Lego® Mindstorms® educational robot kit developed by Carnegie Mellon University. The event focuses on key concepts of STEM (science, technology, electronics and math) education, and is part of a pilot program aimed at creating a “portable robot workshop”.

- WHO: Fifteen, Dowdell Middle School students along with five other Hillsborough school district middle school students.
- WHAT: Lego® Mindstorms® Summer Robotics Workshop.
- WHERE: Hillsborough Community College-Brandon. Student services building, second floor-manufacturing labs.
- WHEN: Friday July 18 at 2 p.m.
- FACTS: This partnership is made possible through Career Pathway 2007 Summer Program, and is developed for career specialists and guidance counselors.

EDITOR’S NOTE: David Gula, outreach manager and Allan Dyer, workshop instructor will be available for interviews. Opportunity for photo and video coverage will also be available.