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

The Florida Advanced Technological Education Center (FLATE) is partnering with Hillsborough Community College and Dowdell Middle Magnet School to host a week-long robotics workshop. The event is designed to educate middle school students about robotics and its application in modern manufacturing operations.

This week-long event entails a series of challenges. During the workshop, participants will learn about sensors, actuators, and logic through building Lego® Mindstorms® robots and programming them to follow specific commands. They 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 listen to presentations made by representatives from local hi-tech firms.

- WHO:** Fifteen Dowdell Middle Magnet School students, and five other Hillsborough school district middle school students.
- WHAT:** Lego® Mindstorms® Summer Robotics Workshop.
- WHERE:** Hillsborough Community College - Brandon campus. Student Services Building, 2nd floor Manufacturing Labs.
- WHEN:** July 14-18, 2008
From 8 a.m. to 4 p.m.
- FACTS:** Curriculum for the workshop is developed by FLATE, and based on the Lego® Mindstorms® educational robot kit. Its primary focus is on STEM (science, technology, electronics and math) education, and is part of a pilot program aimed at creating a “portable robot camp” that will be used throughout Florida.
- EDITOR’S NOTE:** Opportunity for photo and video coverage will be available as well as interviews with staff and students.