

Robotics Camps



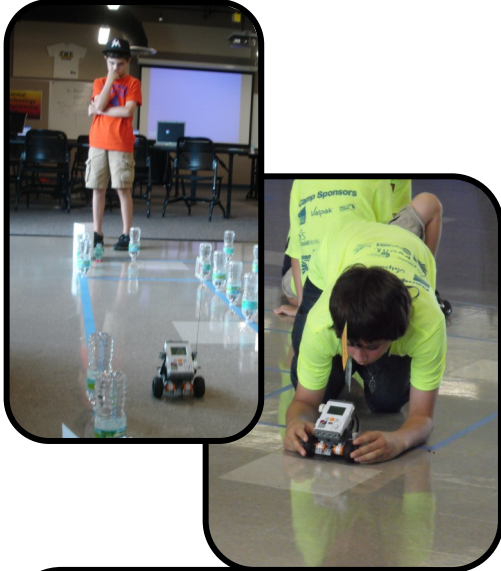
Organizational

Outreach

Curriculum

Professional Development

The **Summer Robotic Camp** project captures the interest of middle and high school students by following the current trend of robotic applications used throughout the entertainment media. The curriculum is a mixture of Lego educational materials, STEM subjects and modern manufacturing information conducted in an environment of competitive problem solving. The campers develop a knowledge base of modern manufacturing, robotics design and programming while adding to their team building experiences.



May 2005 — December 2012

Camp Numbers	Details	
587 Campers since 2005	173 Girls	414 Boys
30 Different STEM Summer Camps	Co-ed Introductory and Advanced Robotics, Just for Girls, Industrial Robotics Engineering	
Serving Mainstream & Special Student Populations	STEM Career Academies, Junior Achievement, YWCA, Girls, Inc., Middle and High Schools	
Community Partnerships	Hillsborough Community College (HCC), College of Central Florida (CCF), Florida Gateway College (FGC), Institute for Human and Machine Cognition (IHMC), and over 8 different high tech industry and educational facilities	

Kids Share:

- "It was fun and cool because we got to program our robots to do whatever we wanted."
- "To watch the robot go through the obstacle course was really amazing."
- "The NAO Robot was the best part!"
- "What I liked best was the competition."
- "The challenges were the best!"

Parents Share:

- "My daughter has enjoyed every day of the week. You are making a difference in all these girl's lives."
- "The staff was beyond excellent and my son can't stop talking about it"
- "My son had a very good experience."
- "Amazing what the kids learned in a week."
- "You are inspiring the future generation of engineers!"

Camps are typically five days in length and include classroom/lab exercises, team experiences, field trips, and fun!



This activity supports FLATE's goal to provide an effective outreach platform.

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