



**IEEE-USA Pre-College Education  
Region 2 Report  
October 17, 2005**

Murty Polavarapu  
[murtyp@ieee.org](mailto:murtyp@ieee.org)

# Existing Pre-College Activities

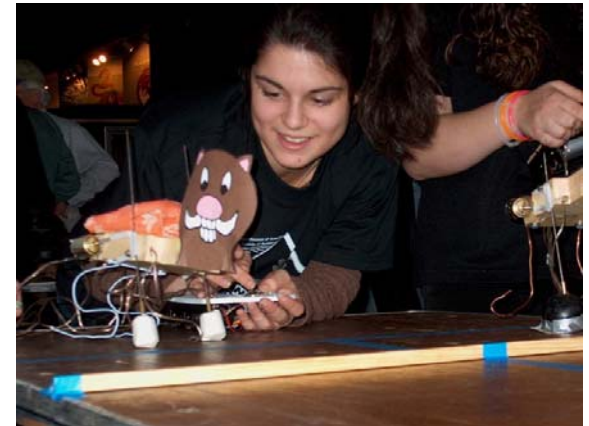
- National Engineers Week Outreach
- Essay / Science Fair judging
- FIRST Robotics
- Robot Challenge
- Robot Car Race
- Future City Competition
- TechXplore
- Teacher 'Training'



*Kids Learn EE Hands-on at Community Outreach Event*



*About a dozen volunteers turned out at the Parkview Recreation Center in July to make the GOLD-sponsored outreach event a success.*



# FIRST Robotics

15th out of 85 at National

Chantilly Academy



WELCOME TO DUBLIN ROBOTICS, TEAM 1014



Dublin Robotics is a collaboration between Dublin City Schools and The Ohio State University that participates in the **FIRST Robotics** competition each year. High school students from the three district high schools (Coffman, Jerome and Scioto) team up together with mentor students from The Ohio State University with one goal in mind: building a robot in six weeks. In these six weeks, students design, build, program, and test their robot, which will be used in competition after the six weeks have passed. Through the FIRST program, students learn valuable lessons in engineering and business, potentially influencing them to pursue a career in a science or technology based field.

CHAIRMAN'S AWARD



**FIRST**  
ROBOTICS  
COMPETITION  
CHAIRMAN'S  
AWARD  
2005  
PITTSBURGH  
REGIONAL

*VCU Regional "Entrepreneurship Award"*  
*VCU Regional "Best Website" award*  
 ([www.ohsrobotics.org](http://www.ohsrobotics.org)).  
*VCU Regional "Woodie Flowers Award"*



## OAKTON ROBOTICS

TEAM INFO
USFIRST
RESOURCES
SUP

Apr 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

CHECK OUT OUR ROBOT



# Financials / Awards

- Pre-College Projects are eligible for PACE funding
- Pre-College Representative budget provided by IEEE-USA
- IEEE-USA Pre-College Educator – Engineer Partnership Award
- IEEE EAB Pre-University Educator Award

# New Activities ?

- New EAB initiative
  - ✓ Teacher In Service Training
  - ✓ Website Resources
- Engineering 'Orientation'
- Sharing of Best Practices
  - ✓ Lehigh Valley – Baltimore/Pittsburgh?
- BEST Robotics
- Succession Plan