

Status Report

November 25, 2013

Palmetto FIRST Robotics Challenge

2012-13 Participating Schools in Palmetto FIRST Robotics Challenge

(9 Teams)

- Academy for Arts, Science, and Technology
- Academy for Technology and Academics
- Carolina Forest High
- Conway High
- Green Sea Floyds High
- Loris High
- Myrtle Beach High
- Socastee High
- St. James High

**The underlined teams were first year rookie teams.*

Educational Benefits

- 21st Century Skills
- Software Operations
- Programming
- Design and Development Strategies
- Teamwork
- Responsibility
- Critical Thinking
- Problem Solving
- Creativity
- Cooperation
- Professionalism

Robot Building Procedures

- Teams have six weeks to build their robots.
 - Building process begins the first Saturday in January with the national announcement of the competition rules.
 - On February 19 all teams must bag and tag robots.

Competition Schedule

- Day 1- Students and teachers drop off robots at stations
- Day 2-Students and teachers work with rebuild, adjustments, and practice matches
- Day 3-Competition preliminary rounds
- Day 4-Competition elimination rounds

2012-2013 Associated Costs

- Registration cost
 - \$5,000 for established teams (7)
 - \$6,500 for new teams (2)
 - The two new teams received NASA grant funding to cover registration costs for the 2012-13 school year.
- CATE Perkins Funds Utilized for 2012-13
 - \$35,000 for registration
 - \$5,000 for ATA registration for nationals *(This was allowed since we had funding that was not used by the two rookie teams.)*
- School Funds
 - The nine teams self reported spending an additional \$500-\$4,000 for each for additional tools and build items for their teams beyond the registration fee.
 - This expense would be inflated by \$2,500 to \$4,000 per team if competition was not held locally due to travel, lodging, and meals.

2012-13 Teacher Information

- Substitutes for Coaches
 - 32 total substitute days for Thursday and Friday of competition
 - The cost for substitutes ran approximately \$3,200.
 - Most teams had multiple coaches
- Travel
 - Each school had travel expenses for three days plus Wednesday drop-off which varied based upon distance.
 - Estimated total travel miles for teams during competition was 1,328 miles.
- Time spent after school hours by coaches (*Self reported*)
 - Estimated additional after-school hours was 2,175.

Revenue Generated By Palmetto FIRST Robotics Event

- Estimated 5,600-plus winter room nights
- Calculated at \$180 per night
 - Figure is lower than adult groups due to standard double occupancy with high school groups
 - The \$180 estimate includes lodging, food, etc.
- Direct spending is estimated at \$1,008,000
- The direct impact to HCS would be the 1% for the Education Capital Improvement Sales Tax Approximately \$10,080.

2013-14 Palmetto FIRST

- Schools Registered (12 Teams)
 - Academy for Arts, Science, and Technology
 - Academy for Technology and Academics
 - Aynor High
 - Carolina Forest High
 - Conway High
 - Early College
 - Green Sea Floyds High
 - Loris High
 - Myrtle Beach High
 - North Myrtle Beach High
 - Socastee High
 - St. James High

**The underlined teams are first year rookie teams.*

- CATE Perkins Funding
 - Perkins funding budget \$58,000