Our FY 2011 Plans

- Continue supporting the program through the SMD Robotics Alliance Project
- Sponsor >300 FRC teams
- Mentor highly diverse set of >10,000 students
- Sponsor/host 5 regional competitions
- Continue hands-on participation by engineers and mentors from every NASA center
- Expand community outreach
- Show off NASA capabilities
- Investigate NASA scholarship options
- Our annual challenge: Can the centers (with engineers and technologists) beat the Headquarters team (with bureaucrats and accountants)?
College/University Participation
Robotics Alliance Project (RAP)

- NASA Headquarters/Herndon High School robotics competition team invited to White House as the President presents the new STEM education “Educate To Innovate” initiative on November 23.
- The team is one of 300 FIRST Robotics Competition teams supported by the NASA (SMD) Robotics Alliance Project.
- RAP is the largest sponsor of teams participating in the FIRST Robotics Competition, and a major sponsor of the BotBall and VEX robotics competition programs.
- NASA engineers at every NASA center participate with RAP-sponsored teams:
  - Engineers directly mentor and work side-by-side with the students
  - Construction of the robot used as a vehicle to teach engineering practices
  - Working directly with ~1600 students on local “house teams” and indirectly with thousands more
- RAP repeatedly cited as example of excellent government-community collaboration to engage
The Robotics Alliance Project (RAP) will help the President present several new STEM education initiatives on Tuesday, November 10.

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- They mentor and work side-by-side with the students.
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RAP is repeatedly cited as an example of excellent government-community collaboration to engage students in STEM education.
The Games

The challenges are renewed every year.

For FRC in 2011 – In 2 minutes, robots play “bumpy soccer” by scoring goals over an obstacle-covered field, and then hang from the mid-field towers at the end for bonus points.