Mark your Calendar:

- **September 17**: Student application deadline
- **September 20**: Teacher workshop for team advisors at Duke, 4:30-7:30pm
- **September 27**: Teacher recommendation deadline
- **October 1**: Notifications sent out
- **October 9**: Saturday workshop @ Duke for all accepted participants and parents
- **October 14 – November 18**: Program will be held each Thursday, 4:00 – 5:30pm at DSA.
- **November 20**: Fall exhibition

Please email Brook Osborne at RBO@duke.edu or check out our website for more information!

www.cs.duke.edu/robocup

**Special Thanks to:**
- Burroughs-Wellcome Student Science Enrichment Program
- Duke University Service-Learning Program
- Duke-Durham Neighborhood Partnership
- DPS Office of the Superintendent
- Christine Fierro, Teacher, DSA

**FALL 2010**
Applications due – Sept. 17

Registration & information: http://www.cs.duke.edu/robocup

All DPS middle and high school students are encouraged to apply.
About the Program

**After-school Workshops:**
Weekly meetings at Durham School of the Arts with the assistance of Duke undergraduate student mentors. Teams of students work on LEGO robot challenges.

Topics include: programming, sensing, applied physics and simple machines, ratios and proportions, conversion of units, and technical literacy. Projects include dance, rescue, obstacle detection, robot racing, reacting to sound and other exhibitions throughout the year.

**Saturday Exhibitions:**
Saturday and summer workshops where students work on robots and learn about research in science and technology from practitioners.

**RoboCupJunior competitions:**
Regional and international competitions where students participate in rescue and dance events and have the opportunity to observe and interact with research scientists and students from around the world.

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**RoboCupJunior 2007**
*Atlanta, USA*

Two groups of students from Chewning Middle School and Durham School of the Arts participated in dance and rescue events as part of the RoboCupJunior International competition.

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**RoboCupJunior 2008**
*Suzhuo, China*

Two students from Shepard Middle School won the RoboCup Junior Southeast Regional Rescue Competition at Duke and traveled to China to compete in the world finals.

We look forward to working with you in the 2010-2011 school year and beyond!

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**What is RoboCupJunior?**

**Dance:** Robots and students come together with music, dressed in costume and moving in creative harmony.

**Rescue:** Robots identify victims within simulated disaster scenarios, varying in complexity from line-following on a flat surface to negotiating paths through obstacles on uneven terrain.

**Soccer:** Two-on-two teams of robots play soccer by tracking a special light-emitting ball in an enclosed field with landmarks.