



# RIVER CITY ROBOTICS

## Summer Day Camp 2010

*"You have teenagers thinking they're going to make millions as NBA stars when that's not realistic for even 1 percent of them. Becoming a scientist or engineer is."*

*~Dean Kamen, Founder of FIRST*

River City Robotics is offering three weeklong day camp sessions this summer. Each will expose students to the basics of robotics operation and design, while building fundamental skills that can be applied to all aspects of their lives. Students with an interest in math, science, and/or engineering are encouraged to enroll for at least the introductory week.

Students ages 13-17 will engage in hands-on activities and classroom exercises geared toward a competitive challenge at the end of each week. All three sessions will be held at VCU West School of Engineering at 601 W. Main St., in Richmond, Virginia.

\*Registration for each session is \$300 if postmarked by June 30th and includes lunch, a t-shirt, a trophy, and the use of all necessary materials. After June 30th, registration will increase to \$350. Space is limited to 20 students each week, so register early.



### Info you need to know...

#### Session 1 - Introductory July 12th-16th

- What's Covered**
- ◆ Basic construction
  - ◆ CAD drawing
  - ◆ Simple programming

**Experience Needed** None. Camp veterans - all new to you, too!

#### Session 2 - Intermediate July 19th-23rd

- What's Covered**
- ◆ Construction for use of sensors
  - ◆ Autonomous programming
  - ◆ Intro to I<sup>2</sup>C Protocol (reading up to 12 sensors from one NXT brick!)

**Experience Needed** Robotics camp or FTC/FRC team technical experience

#### Session 3 - Advanced July 26th-30th

- What's Covered**
- ◆ Autonomous robotic exploration
  - ◆ Other cool stuff!

**Experience Needed** Session 2 of this camp

**SPECIAL DEAL:** Students registering and paying for all three weeks receive a \$100 discount off the total fee!

Daily sessions are 9:00 AM-4:00 PM, with a one-hour lunch break. Earlier drop-off and later pick-up times can be arranged for a nominal charge.

### Students will learn...

Time Management • Teamwork • Communication  
Critical thinking • Leadership • Problem solving

For questions, email [RiverCityRobotics@gmail.com](mailto:RiverCityRobotics@gmail.com).  
For a camp registration form, go to [www.vaftc.org](http://www.vaftc.org)

*This camp is hosted by VCU School of Engineering and FRC Team 1522.*