



### **Advanced Robotics**

**April 5<sup>th</sup>-April 9<sup>th</sup> 9:00am-12:00pm**

**\$135.00 per child**

**ESC- WA: cafe**

### **Superscience Dan Weisman**

**Advanced Robotics** Ages 10-12. Our robotics program for ages 10-13 will include all of the fun aspects of our robotics 2010 program plus additional models and challenges that require more dexterity and a little more perseverance. Students will use the Robotix building system to design, invent, and construct robotic creations from their own imagination. Students will build robots designed to meet a wide array of interesting challenges throughout the week. These include our robot Olympics, Battle-Bot competition, robo-bowling, tractor pull, Mission to Mars robot challenge and more. In addition, we will feature the all-new Lego Mindstorm 2.0 robotic invention system. The Lego robots allow students to create the smartest, strongest, and most intelligent robots. Students will use a lap top computer and a wide array of special sensors to create and program robots that can see color, avoid obstacles, and sense light/sound with an intelligent Lego brick that contains a 32-bit microprocessor. All students will take home TWO sound and touch sensitive robotic insect creatures as part of the program.

### **Lego Loco (ages 7-12)**

**April 5<sup>th</sup>-April 9<sup>th</sup> 12:30-3:30pm**

**\$135.00 per child**

**ESC- WA: cafe**

### **Superscience: Dan Weisman**

Are you crazy about building Legos? This course is designed for those that really like to build! In this new program we will provide an atmosphere where kids that have the same interest can come together and focus on building. We will offer a huge selection of models in the program from the many different themes that Lego has to offer. Themes will include Indiana Jones, Lego Racers, Lego Creator, Lego City, Power Miners, Agents, Technic, Pirates, and Bionicle. Specific models offered within each theme will depend on what models are available at the time of the course. This is a stimulating enrichment program and not geared as a teacher-driven education class. All students will take home a Lego project. Projects offered will depend on availability from the Lego HQ, and students will not build all projects listed. (Lego Star Wars, Trains, and Mindstorm are not offered in this course).

Log onto [www.hcesc.com](http://www.hcesc.com) or call 908-788-1405 to register!

