

# **Beach Cities Robotics *Jr.***



**2009-10**

**LEGO League Team**  
**Student Handbook**



*Beach Cities Robotics...*

*...helping to create a world where  
science and technology are  
celebrated...where young people  
dream of becoming science and  
technology heroes.*

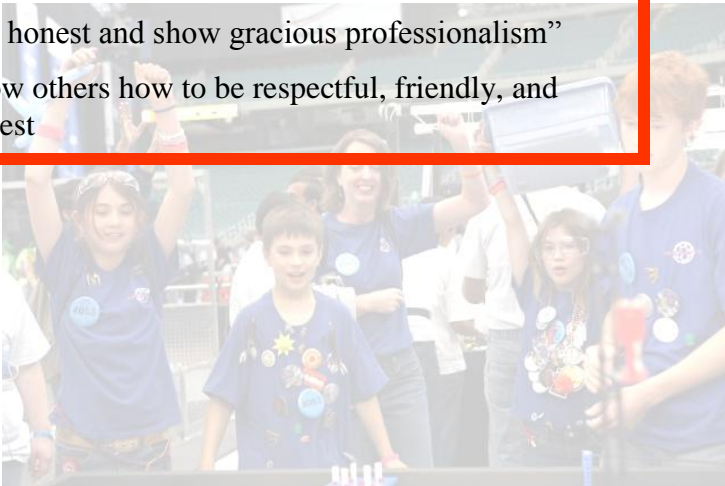




Beach Cities Robotics is excited to welcome you to the *FIRST* LEGO League (FLL) community. As a member of our LEGO League Team, you are a junior member of our award winning high school team—Team 294. There is a lot to look forward to and we want you to have fun with robots as become comfortable with technology and learn about real-world problems.

Being a part of our team makes you a special member of the *FIRST* community. This means we:

- Work well together and respect each other
- Show courtesy and compassion
- Have fun with *friendly* competition
- Are honest and show gracious professionalism”
- Show others how to be respectful, friendly, and honest





*FIRST* Founder,  
Dean Kamen

Beach Cities Robotics is part of *FIRST* (For Inspiration and Recognition of Science and Technology), which was started by world-famous inventor Dean Kamen. *FIRST* was started in 1989 to get young people excited about science and technology by pairing students with professional mentors. The first competition was held in 1992 in a high school gymnasium, with 28 high school teams. Over 13,000 schools in the United States and 37 other countries are now involved in *FIRST*. *FIRST* Robotics Competition (FRC) and *FIRST* Tech Challenge (FTC) are for high school students and the *FIRST* LEGO League (FLL) is for people your age! There is even the *FIRST* Junior LEGO League for kids ages 6 to 9.



The spirit of *FIRST* is “Gracious Professionalism.” It is a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community. Gracious professionals learn and have lots of fun at the same time.



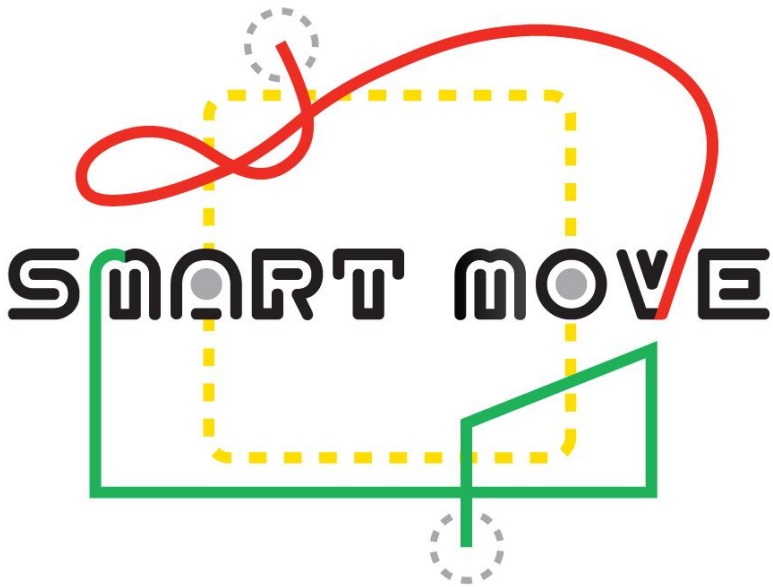


As a member of Beach Cities Robotics, you participate in a fun, exciting, and global robotics program that is great sports for the mind. You get to work with other kids your age and coaches who will show you how to design, build, and create LEGO MINDSTORMS robots. You will participate in the 2009 Smart Move Challenge. This means you also get to show judges and other teams all of the cool things you learned.



Most importantly, you will learn, make friends, and have the greatest fun ever!





## Transforming Transportation

Using smart moves, *FIRST* LEGO League teams will transform the way we look at transportation. The key to the 2009 “Smart Move” Challenge is accessing people, places, goods and services in the safest, most efficient way possible. In this journey, we will consider many modes of transportation beyond our daily routine and streamline our options by making smart moves!



## *FLL Core Values*

*The FLL Core Values are the cornerstones of the FLL program. They are among the fundamental elements that distinguish FLL from other programs of its kind. By embracing the Core Values, participants learn that friendly competition and mutual gain are not separate goals, and that helping one another is the foundation of teamwork.*

- *We are a team.*
- *We do the work to find solutions with guidance from our coaches and mentors.*
- *We honor the spirit of friendly competition.*
- *What we discover is more important than what we win.*
- *We share our experiences with others.*
- *We display Gracious Professionalism in everything we do.*
- *We have fun.*



# HAVE FUN AT BEACH CITIES ROBOTICS *Jr.!*



**FLL**  
FIRST LEGO® League

[www.bcrobotics.org](http://www.bcrobotics.org)

