

RoboSail Program Fall 2014

Combine Sailing with Robotics!

This year Community Boating is offering a new STEM program for Boston-Area High School students. CBI-RoboSail combines robotics and sailing into an exciting engineering challenge! Kids will program a model sailboat (1 m long, 2 m tall) to sail a course. Our students will learn new skills in computer programming, electronics, and mechanisms. They will deepen their understanding of the physical principles and strategies involved in sailing by creating algorithms that translate their sailing knowledge into code for a robot.

The course is being led by Diane Brancazio, a CBI member, volunteer instructor, and local science/engineering teacher. Funding for boats, electronics and on-board mini-computers is provided by a generous donor. Volunteers with technical skills and training on this system will serve as mentors to student teams. To join this group of mentors or to inquire about the curriculum contact Diane at diane@robosail.org.

The course meets at Community Boating on Sunday afternoons from 1 to 4. Attendance is expected at all 6 sessions. Students should bring a laptop computer with working USB ports or let us know if they will not be able to bring one. Knowledge of sailing maneuvers is expected, but no coding experience is required.

Apply by Sept 5. Course is limited to 18 and students may be selected by lottery.

Program Details:

-**When:** Six sessions on **Sundays:** 9/14, 9/21, 9/28, 10/5, 10/12, 10/19 Please only sign your child up if they can attend all six sessions)

-**Time:** 1 PM – 4 PM when at Community Boating

-**Who:** Any student who **is currently in high school**, and who has a solid grasp of sailing principles. No computer programming experience required.

- **Where:** Community Boating Boathouse

- **How to register:** mail this form along with a check made out to Community Boating to:

ATTN: Ginger Leib
Community Boating Inc.
21 David G Mugar Way
Boston, MA 02114

You will be contacted once your registration is received. **Space is limited!**

Cancellations: for weather-related cancellations you will be emailed at the email below by 11 am on the day of the cancellation.

RoboSail Program Fall 2014 Permission Slip

I give my child _____ permission to participate in the RoboSail Program.

Payment Enclosed:

____\$50 (Household income over \$95,000)

____\$25 (Household income between \$75,000 - \$95,000)

____\$1 (Household income less than \$75,000)

Parent/Guardian Name

Signature

Phone

Parent Email (used as cancellation contact)