Navigating Reach
Presenters

John O’Flaherty – Community Boating Center Providence, RI

Stuart Proctor – Downtown Sailing Center Baltimore, MD

Jen Guimaraes - Community Sailing Center Burlington, VT

Jessica Servis – Reach Initiative Manager, US Sailing
Community Boating Center
Providence, Rhode Island
Downtown Sailing Center
Baltimore, MD
Community Sailing Center
Burlington, VT
- Adventure Program for 12-16 year olds
- Integrate with Learn to Sail
- Morning STEM/Marine Science Class – Learn to Sail
- Shoulder Season Programming
- Community Outreach Program – middle school
Reach Tools & Resources

- Curriculum – Reach Educator Guide
- STEM Educator Course
- Student Logbook & Portfolio
- Reach Events: Sailing Through STEM Night or Simple Machine Scavenger
- 2 New Environmental Modules (18 & 19)
- Reach.ussailing.org
Let’s go Sailing!
2015 – What a Year!

✓ Over 100,000 students impacted
✓ 400 schools and sailing centers
✓ 178 educators attended the Reach – STEM Educator Course
✓ 23 scholarships awarded
✓ 13 individuals were awarded Reach PD grants
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✓ **7 New Reach Modules created**
  • Microscopic Mysteries by: Community Boating Center
  • Basin Geology by: Lake Champlain Community Sailing Center
  • Trawling for Change by: New England Science & Sailing
  • Weather at the Extreme by: Downtown Sailing Center
  • Robo Sail by: Community Boating Inc.
  • Navigating Underwater Hazards
  • A Sailor’s Environmental Impact
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- Tall Ships America
- Participated in Exploration Zone at the VOLVO Ocean Race Newport Stopover
- The America’s Cup Endeavour Programme
Quality Youth Programs

- Youth Engagement
- Peer Interaction
- Supportive Environment
- Safe Environment
Research Shows

US Sailing Average: 1st and 2nd Rounds

- Safe Environment: Series 1 = 4.7, Series 2 = 4.8
- Supportive Environment: Series 1 = 4.6, Series 2 = 4.8
- Interaction: Series 1 = 3.4, Series 2 = 3.5
- Engagement: Series 1 = 2.5, Series 2 = 2.9
- STEM Skill-Building: Series 1 = 3.2, Series 2 = 3.7
- Staff Interview: Series 1 = 4.7, Series 2 = 5.0
Research Shows

When I see a piece of trash in the water I:

- a. walk or sail around it: 11% Pre Test, 6% Post Test
- b. tell someone about it: 11% Pre Test, 9% Post Test
- c. pick it up: 66% Pre Test, 80% Post Test
- d. I don't see trash in the water: 13% Pre Test, 6% Post Test
23. In an effort to be environmentally responsible I do the following

- Use a reusable water bottle
- Participate in a local clean-up
- Recycle when I can
- Don't waste water
- Pick up trash when I see it blowing by
- Use reusable containers in my lunch
How do I get started?

1. Problem - Where are you going?
   a) Add a summer 1 week camp
   b) Develop ongoing programing
2. Materials - Who is your audience?
   a) Learn to Sail
   b) After school
   c) Teens
3. Design - Make a plan
   a) Content
   b) Schedule
   c) Budget
4. Test – Evaluate
5. Redesign
## 5 Day Summer Reach Camp

<table>
<thead>
<tr>
<th>AM</th>
<th>Water Safety Module 1: Parts 1, 2 &amp; 3 Parts of the Boat &amp; Rigging</th>
<th>Module 2 Parts 1 &amp; 2 Rigging Review Part IV</th>
<th>Module 3 Parts 1, 2 &amp; 4</th>
<th>Module 7 Parts 1, 2 &amp; 4</th>
<th>Module 9 Parts 1 &amp; 2</th>
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</thead>
<tbody>
<tr>
<td>PM</td>
<td>Module 1 Part 4 Points of Sail &amp; Go Sailing! (Reaching)</td>
<td>Afternoon Go Sailing! (variety of boats) Discuss buoyancy &amp; collect and compare wind speed data</td>
<td>Module 3 Part 3 Go Sailing! (Upwind) Reefed or RAD sails</td>
<td>Module 7 Part 3 Go Sailing! (Tacking)</td>
<td>Module 9 Part 3 Go Sailing! (Finding the Groove) Identify local trends in wind speed and direction</td>
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### Monday
- Measuring Wind

### Tuesday
- Buoyancy

### Wednesday
- Sail Area and Perimeter

### Thursday
- Upwind Sailing

### Friday
- Wind Power
Breakout

John O’Flaherty  Executive Directors (front left)
Stuart Proctor  Instructors (front right)
Jen Guimaraes  Program Directors (back left)
Jessica Servis  Other (back right)
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Your Opinion Matters

Please open the *Sailing Leadership Forum app* and complete the *session survey* found in the *menu bar*.

*Thank you for attending the “Navigating Reach” session!*