

**Project SEARCH Summer Academy – July 25-28, 2011**

***Overview of Project SEARCH Academy***

	<b>Monday July 25</b> Building a Buoy <i>What's a buoy and why should we care?</i>	<b>Tuesday July 26</b> Building a Sensor <i>How do you make a scientific instrument?</i>	<b>Wednesday July 27</b> The Real Deal <i>Designing and Building an authentic instrument buoy</i>	<b>Thursday July 28</b> Deployment Day <i>Put it in the water!</i>
<b>9:00am – 12:00pm</b>	- Welcoming Remarks - Build a Buoy Challenge	- Observational Buoys - Build a Thermometer - Big Buoy Problem Shooting for 6 <sup>th</sup> Graders - Toxicology Lesson Part 1	- Design Principles - Build the Observational Buoy - Big Buoy Problem Shooting for 6 <sup>th</sup> Graders - Research Design for 6 <sup>th</sup> Graders	- Buoy Deployment and Rigging
<b>12:00pm-12:30pm</b>	- Lunch	- Lunch	- Lunch	- Lunch - Closing Remarks
<b>12:30pm – 2:00pm</b>	- Final Tests of the Build a Buoy Challenge - Buoy Principles by 6 <sup>th</sup> Grade Peer Coaches	- Toxicology Lesson Part 2 - Big Buoy Problem Shooting for 6 <sup>th</sup> Graders - Research Design for 6 <sup>th</sup> Graders	- Finish Building the Observational Buoy - 6 <sup>th</sup> Graders Assist with Buoy Design and Construction	