

# Brandaris Maritime's

## Spring 2011 K-8 School Enrichment Programs

The Youth Programs offered by Brandaris Maritime are hands-on, inquiry-based enrichment programs for grades K-8. Our classroom programs have developed over the years from our marine education program aboard our U.S. Coast Guard certified passenger vessels. All programs may be supplemented year-round with enrichment activities onboard or at our working boatyard.

### Model Boat Building

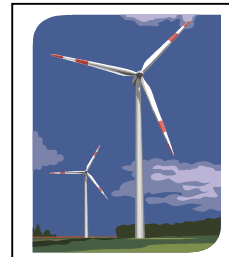
Join in the age-old tradition of crafting models. This interactive model boat building promotes manual dexterity and skill. Students learn about boat construction, plan and draw their designs, improve their skills in using tools, share a sense of joy and accomplishment by constructing a boat of their own. The models vary in complexity based on the age and skill of the group.



### Green Machines

*A chance to learn about the green technology in our future*

Students will be introduced to the concept of green energy and learn about electrical generation by creating an actual windmill. Hands-on experimentation will help students understand basic electricity and current energy issues, while having fun.

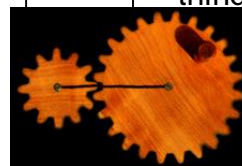


### The Bike Brigade

There's more to bikes than tires and metal! It's the freedom to roam! It's climate friendly, alternative transportation! It's healthy!

No matter why you bike, your bike is a machine needs tune-ups. Get your bike ready for school and fall expeditions. Learn the skills to perform the basic repairs and maintenance steps needed to keep your bike in tip-top shape.

Learn about road safety, stewardship and the value of fix-it-yourself skills.



### Simple Machines

*'do not touch' does not apply*

Come and get your hands dirty! Taking things apart and working with 'gadgets' is what this class is all about.

Students explore pulleys, levers, wedges, wheels, inclined planes and screw mechanisms. This hands-on approach to the simple machines used in everyday life gives students a working knowledge of the concepts of mechanical physics. By understanding these simple machines, students gain confidence as they learn how the complex world around us really works!

### Fishing for Adventure

Discover what recreational fishing is all about. Learn how to use rods, reels and other equipment necessary to land that big one. All materials will be provided with help from RI DEM. Program takes place on-shore and on our USCG inspected vessel. Be warned, you may go home with a fish! (Dress for the outdoors and bring a bag to carry your catch in!)

