



THE SCIENCE BARGE

A PROGRAM OF GROUNDWORK HUDSON VALLEY

The Science Barge is a sustainable urban farm powered by solar, wind, and biofuel and irrigated by rainwater and purified river water. We grow fresh fruits and vegetables using recirculating hydroponics and aquaponics. The Science Barge offers immersive education programs for grades 3-12, youth groups, and university level students, as well as teacher training. Our programs align with the New York State Regents Curriculum for Science.

Science Barge Program Schedule

All programs listed below are offered by reservation only, Monday through Friday. Price includes tour, instruction and activity. Some scholarship assistance is available. Contact us for information.

3-Hour Greenhouse Program + Green Lunch Challenge: \$400

UP TO 35 STUDENTS 10AM-1PM. Students bring their own lunches and learn to recycle/compost their waste.

2-Hour Greenhouse Program: \$300

UP TO 35 STUDENTS 10AM-12PM OR 12-2PM.

1-Hour Tour: \$125 Group Rate

10 TO 25 PEOPLE MONDAY THROUGH FRIDAY 3PM-4PM.

Alternate times available by request.

Please return registration form promptly to secure space! Schedule fills up fast!

To initiate a group booking, fill out the information on the back and fax, mail or email a copy of that page back to:



22 Main Street, 2nd Floor
Yonkers, NY 10701

T (914) 375-2151 | F (914) 375-2153

E: sciencebarge@groundworkhv.org

We also offer teacher training, special events, public tours and special education programs. For more information on our organization, including volunteer and internship opportunities, visit our website www.groundworkhv.org. The Beczak Environmental Education Center is nearby. Joint programs can be arranged for a full day of fun environmental activities!



Food

Learn about the advantages of hydroponic and aquaponic food production and the future of farming in the city. Topics include nutrition, cultivation, and pest management. See how our red wiggler worms turn leftover food waste into a nutrient-rich fertilizer.



Water

The Hudson River Estuary is an important natural habitat. Discover how we farm without contaminating the river. We irrigate our crops using rainwater catchment and recirculating hydroponic systems, and we purify wastewater in our on-board wetland.



Energy

Learn about the benefits of solar, wind and biofuel technologies. Discuss the importance of energy conservation and generate renewable energy by riding our "energy bike".

HOW TO FIND THE SCIENCE BARGE



The Science Barge is located on the City of Yonkers' waterfront where Dock Street ends at the Hudson River. We are one block from the Yonkers Metro North Rail Road Station. There is ample metered parking and free bus parking down the street.



99 Dock Street, Yonkers, NY 10701
T (914) 375-2151 F (914) 375-2153
Email: sciencebarge@groundworkhv.org

- * *Winner of Time Out New York Kids Best Class Trip 2009*
- * *Featured on Dan Rather Reports, CNBC, Discovery Channel Canada, CNN International, National Geographic Magazine, Scholastic Science World and more!*



ON-BOARD ACTIVITIES

In addition to the full Science Barge tour, our green education program allows educators to choose from four on-board activities, which are tailored to each grade level. For a description of on-board activities, please visit our website at www.groundworkhv.org.

On-Board Activity topics include*:

Elementary Grades

- Biodiversity
- Food/Botany/Planting
- Carbon Footprint
- Climate Change

Intermediate Grades

- Solar Cooking
- Carbon Footprint
- Climate Change
- Scientific Method

High School Grades

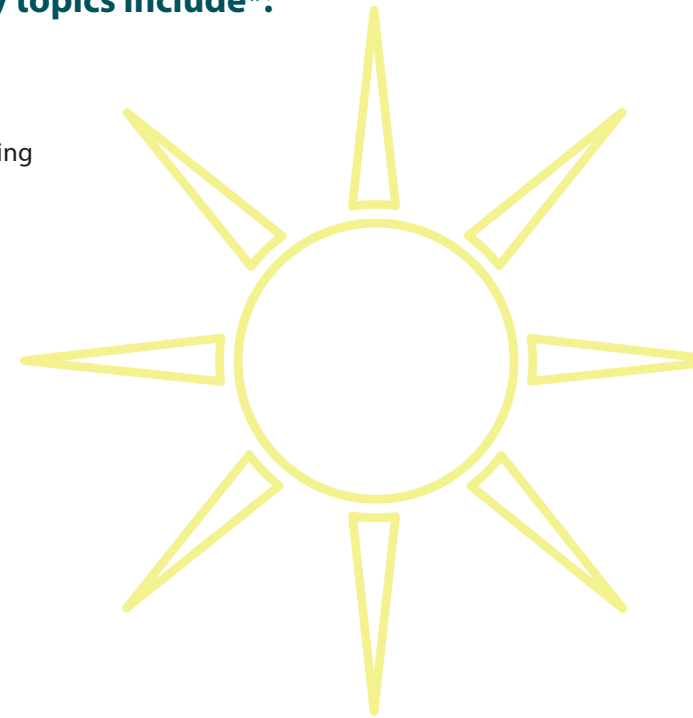
- Carbon Footprint
- Climate Change
- Scientific Method
- Green Design

University Level/Professional Development:

- Any/All of the above

* (choose one per visit)

The Science Barge provides pre-visit and post-visit resources to schools and teachers to help them integrate the Science Barge visit with classroom instruction.



SCIENCE BARGE REGISTRATION

Organization Name

Contact Person

Address

City, State, ZIP

Email

Telephone

Fax

Number of Students (Max. 35)

Grade Level

Number of Chaperones

Min. one chaperone per 15 students age 13+, one chaperone per 10 students 12 and under

Reservations

Reservations accepted from April 11 to October 28, 2011. Please list 2 potential dates. Visits are rain or shine.

1st Choice

2nd Choice

Program Length (✓): 3 hour program 2 hour program 1 hour tour

On-Board ACTIVITY Preference

(See other side)

How did you hear about us?

Registration Fee

The deposit required to confirm a group visit and hold each date is \$100 (put towards the total cost). We make every effort to accommodate all groups that would like to visit the Science Barge, including groups that cannot provide the full fee. We won't confirm your date selections until we receive the deposit.