

REGISTRATION FORM

Name of organization _____

Contact person _____

Address _____

Email _____

Phone _____ Fax _____

How did you hear about us? _____

of students _____ (maximum # is 35)

of chaperones _____ (minimum one chaperone per 15 students age 13+, one chaperone per 10 students 12 and under)

Age/grade level of students _____

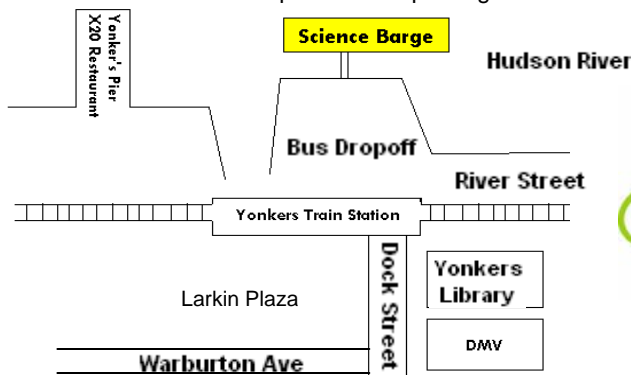
We are currently taking group reservations for **Monday – Friday, Apr 20 – Oct 23, 2009**. Please list 3 potential dates. We will do our best to accommodate preferences based on availability. Visits are rain or shine.

1st Choice _____ 2nd Choice _____

3rd Choice _____ Full or Half Day _____

Cost and Registration Fee

The registration fee 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. Please mail your registration fee to Science Barge, 6 Wells Avenue, Yonkers, NY 10701. We won't confirm your date selections until we receive the deposit. The Science Barge is located at 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 free bus parking.



Groundwork Hudson Valley Green Education Program

What is the Science Barge?

The Science Barge is a sustainable urban farm powered by solar, wind, and biofuels, and irrigated by rainwater and purified river water. We grow fresh fruit and vegetables using recirculating hydroponics and aquaponics.



Food... Come learn about the advantages of hydroponic food production. Topics include water conservation, plant nutrition, cultivation techniques, integrated pest management, and more!



Water... The Hudson River Estuary is an important natural habitat that supports the commercial, industrial and recreational life of the city. Learn how we farm without contaminating the river, by using rainwater catchment together with a reverse osmosis system to meet the needs our plants.



Power... What is renewable energy and how does it work? See demonstrations and learn about the benefits of solar, wind, and biofuels technology. Watch a passive solar tracker and a wind turbine in action, and tour the battery bank and electronics that allow us to combine three different carbon neutral power sources.

"All of our students enjoyed the visit and many agreed that it was one of the best field trips they had ever experienced"



Science Barge Education Programs

The Science Barge has education programs for student and youth groups of all ages. Our programs integrate with the New York State Regents Curriculum for Science.

All of our programs include a tour of four stations dedicated to sustainable food and energy production:



Greenhouse Station

Students learn about the environmental benefits of controlled environment horticulture and key concepts of hydroponic nutrition and chemistry, plant biology, pollination, pest management, and crop management.



Renewable Energy Station

Key concepts include sources of renewable energy, hybrid system integration, environmental impacts, and energy conservation.



Sustainable Design & Green Building Station

Key concepts include sustainable design, building materials, recycling, and energy efficiency.

Ecology Station

Discussion involves environmental health, water quality and partnering with nature to solve problems.

The Science Barge offers two and three hour field trips that can be structured appropriately for different age groups. Participants have the opportunity to rotate through the four activity stations and engage in a variety of science activities and experiments at each station.

Students get their hands “dirty” planting seeds, composting, feeding fish, picking vegetables, and “generating” sustainable energy through interactive activities. Students plant seedlings using renewable growing substrates. We divide classes into small groups for plenty of individual attention.

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

Science Barge Program Schedule

Programs are offered Monday thru Friday, mid April through Mid October. Price includes tour, all exhibits, instruction, and a take-home plant and handout. **Some scholarship assistance is available.** Contact us for information.

Greenhouse Program: 10:00–12:00 noon or 12:00-2:00 p.m.
\$300 (up to 35 students)

Greenhouse + Green Lunch Challenge Program: 10:00a.m.-1:00 p.m.
\$400 (up to 35 students) Includes a lunch break (students bring their own lunches and learn to recycle/compost their waste).

Please return form promptly to secure space! Schedule fills up fast! To initiate a group booking, fill out the information on the back and fax or mail a copy of that page back to:

Groundwork Hudson Valley

6 Wells Avenue
Yonkers, NY 10701
Ph: (914) 375-2151
Fax: (914) 375-2153

Any questions? Call or email Curt Collier 914-375-2151 or at curt@groundworkhudsonvalley.org. We offer public tours, teacher training, and special events. For more information visit our website www.groundworkhv.org/sciencebarge.html.

The Beczak Environmental Education Center is nearby. Joint programs can be arranged for a full day of fun environmental programming.

The Science Barge was developed by New York Sun Works and is currently owned and managed by Groundwork Hudson Valley.

A Program Of: **Groundwork Hudson Valley**

With Co Sponsors:

