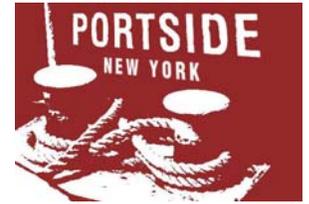


## **PortSide New York Youth Education Programs based on visits to our ship MARY A. WHALEN**



This summary is as of end of fall semester, 2017.

General summary of our youth education programs. See <http://portsidenewyork.org/youth-education/>

In 2017, we added some new programs/themes. See <http://portsidenewyork.org/portsidetanke/2017/11/19/9xujvhieq1ce8oa1i8mdykw6uasb>

Special note, we created a program about tankers and oil spill prevention since our ship is an oil tanker. See <http://portsidenewyork.org/portsidetanke/2017/11/18/khutqvodci1s2ihyjf1mkxfktool94>

### **Our inventory of marine science supplies:**

#### Water Quality:

- Turbidity tube
- Nitrate measuring drops
- Dissolved Oxygen measuring kit
- Hydrometer- measures salinity
- pH test strips
- fecal coliform tests

#### Critter identification:

- 3 settlement plates, side of the boat, front and back
- fuzzy rope in at the front
- IKEA box
- stereoscope

#### **Billion Oyster Project basket** <https://www.billionoysterproject.org/>

PortSide put seed oysters into our BOP oyster cage fall 2017. Those oysters are to be monitored and the results uploaded to the BOP website. Our Curator and Historian Peter Rothenberg took the BOP training.

#### **Weather/resiliency – proposed, not yet executed**

- Install a weather station at PortSide New York and develop related curricula.
- Bring a rep from NOAA to Red Hook to explain weather, especially hurricanes and flooding.

#### **Red Hook WaterStories**

PortSide created a digital maritime museum and guide to contemporary Red Hook at [www.redhookwaterstories.org](http://www.redhookwaterstories.org). This is a two-way street asset: we can work with teachers to create curricula based on that content (and more content we have); and we are eager to get student work to put into the database. An example of the latter would be the [Canada Goose project](#) from Miss Elzoghby's PS15 5<sup>th</sup> grade class in 2015.

## PortSide Education programs not at our location

### Harbor tour

- PortSide narrates a harbor tour on NYC Ferries.
- PortSide creates an intermodal harbor tour combing NYC Ferries and bikes. We have done this by combining NYC Ferry & Citibikes. It can also be done with student bikes.

### Mural Project

PortSide seeks partners for Wyland Foundation mural competition to create a marine conservation image <http://www.wylandfoundation.org/artchallenge/>. In the partnership, the students or school make the mural. PortSide adds the mural to [Red Hook WaterStories](#), and we reproduce it as an outdoor exhibit banner, like others we have, and get one or more hung at Red Hook waterfront sites.

### BioBus [www.biobus.org](http://www.biobus.org)

A BioBus was outfit in Red Hook Summer 2017. We proposed they do a marine science BioBus day at PortSide for all Red Hook schools. Get in touch if this interests you.

### Marine Pollution ideas

- **Street litter:** Create a campaign that addresses how street litter goes into the waterways via CSOs. One element could be spray painting the Riverkeeper stencils <https://www.riverkeeper.org/blogs/docket/brooklyn-stenciling-project-aims-reduce-marine-debris>
- **Cigarette butts:** Create a campaign around cigarette butts specifically. Fish mistake them for food, eat them, and they stay in the stomach. Many butts are discarded near, so an outreach project to smokers, cigarette sellers and bar owners could be a project.
- **Gowanus Canal pollution:** We have long thought that the Superfund clean-up work has great potential for interpretation, to become an educational opportunity. The Gowanus CAG also has an archeology committee so there is the potential for other education in association with the Superfund work.
- **Fishing and safety issues around eating local fish:** Create a campaign around fishing and safety issues around eating fish. Many fishermen in Red Hook are fishing to eat. We researched this for the Valentino Park BoatBox project <https://www.youtube.com/watch?v=AGc5Eyis8D4>

### History Research:

We would like to create a school project that would research topics related to US fuel consumption from 1938 until now that would relate to the history our ship, a coastal oil tanker, and the port of NY-NJ. Topics include: Number of New Yorkers & Americans who owned cars, how far people drove, price of gas, construction of I-95, home heating temperatures, average size of house/apartment, and statistics related to ship fuel.