These programs integrate data collection, analysis, and technology; connecting students to Hudson River scientific research. Each program can be modified or customized to meet the needs of your classroom curriculum. Select two programs and spend a whole day at CURB! Programs accommodate up to 25-30 students.

**Catch of the Day Seining**
**2 hours / $450**
Explore Hudson River biodiversity by dragging a 30-foot seine net through the water to catch fish and other Hudson River creatures. Students keep a tally of our catch and draw conclusions by graphing the total outcomes. We provide chest waders to help keep students dry. This program is tide dependent and conducted April - October.

**Hudson River Water Chemistry**
**1.5 hours / $300**
Using digital probes and test kits, students will collect water samples to measure and record physical and chemical parameters. Interactive demonstrations and data analysis help students understand the dynamic roles of each parameter in the Hudson. The data is compared to real-time water monitoring systems throughout the Hudson!

**Additional Programs on the Reverse Side --->**

**Trip Reservations and Questions:** Contact Elisa Caref
(914) 377-1900 Ext. 12 or ecaref@sarahlawrence.edu.
Plankton is not just a cartoon character! Enter the fascinating world of aquatic phytoplankton (plant plankton) and zooplankton (animal plankton) beginning with their role in food chains. Students toss plankton nets into the river to collect live specimens and then learn observation and identification techniques using microscopes and reference guides.

Sediment and Site Conditions
Learn about how the sediment and site conditions of the Hudson River both affect and are affected by the estuarine ecosystem. Students will explore sediment, tides, weather, and currents.

Fish Identification
How can you tell a striped bass from a white perch? Exploring the center’s aquaria, students will use a dichotomous key to identify various Hudson River fish species with an emphasis on form and function, external anatomy, as well as both physical and behavioral adaptations.

Eat Like an Oyster – From Gills to Guts
Oysters are an important native species of the Hudson River estuary, and are often called “filter feeders.” This lesson delves into the misconceptions of oyster filtration by having students role play to investigate how oysters actually feed, and how that can affect their bodies and the ecosystem. Students also learn about oyster anatomy and physiology, and get to explore live oysters from the river. This indoor program is tide dependent.

Climate Change in the Hudson Valley
Discover how climate change will impact the Hudson Valley and learn about the implications in relation to severe weather, storm surge, sea level rise, and biodiversity of river species.

Hudson River Water Quality and Pollution
In addition to exploring and testing water quality parameters from the Hudson River, students investigate major sources of pollution. Participants learn about citizen science projects around water quality, and how to analyze test results using government-approved bacterial testing techniques.