

2021 - 2022

Hudson River Exploration School Programs

at the Sarah Lawrence College Center for the Urban River at Beczak

Middle, High School, and College STEM Programs

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 Christina Edsall

(914) 323-6272 or cedsall@sarahlawrence.edu



SARAH
LAWRENCE
COLLEGE

CENTER FOR THE URBAN RIVER AT BECZAK

SLC Center for the Urban River at Beczak

35 Alexander St. Yonkers, NY 10701

CenterfortheUrbanRiver.org

Social Media - [@slccurb](https://twitter.com/slccurb)

Additional program options

Peek at Plankton

1.5 hours/\$300

Plankton is not just a cartoon character! Enter the fascinating world of aquatic **phyto-plankton** (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

1 hour / \$250

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

1 hour / \$250

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

1.5 hours / \$300

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

1.5 hours / \$350

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

Hudson River Water Quality and Pollution

2 hours / \$350

Grades 9 and up

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.

*Our center can only accommodate a maximum of 60 students at a time