

# NY Educator Summit

October 20th at Fort Ticonderoga, NY

Exploring the Diversity of the Lake Champlain Basin -  
Linking Students to Their Watershed!



Current  
Events  
and Issues



Cultural  
and  
Historic



Ecosystem  
Monitoring  
and Research

**Registration Deadline October 8!**



New York State  
CTLE hours by  
the North Country  
Teacher Resource  
Center

\$20 registration  
includes lunch  
and materials

Scholarships  
available

For more information:  
Sue Hagar  
[shagar@lcbp.org](mailto:shagar@lcbp.org)  
802-372-0214



## Summit 2021

Join the Champlain Basin Education Initiative (CBEI) partners, dynamic classroom teachers, and local experts to explore a wide array of workshops in three areas:



### Current Events and Issues



### Cultural and Historic



### Ecosystem Monitoring and Research

\* Please note: Fort Ticonderoga and attendees at the Summit will be required to follow New York State Covid-19 Protocols that are in place at the time of the event.

## Agenda

NY Summit - Exploring the Diversity of the Lake Champlain Basin - Linking Students to Their Watershed!

8:30-9:00 am	Registration, refreshments and resources
9:00-9:15 am	Welcome, Wool and Water
9:15-9:45 am	<i>2021 Lake Champlain State of the Lake and Ecosystem Indicators Report</i> Colleen Hickey, Lake Champlain Basin Program Guest Teacher invited
10:00-11:30 am	Session A - workshop descriptions on page 4
11:30 am - 12:30 pm	Lunch
12:30 - 2:00 pm	Session B - workshop descriptions on page 5
2:00 - 3:30 pm	Session C - workshop descriptions on page 6
12:30 - 3:30 pm	Session D - workshop description on page 7
3:30 - 3:45 pm	Pick up Certificates

## Session A: 10:00 - 11:30



### The Mariner Artificer's Apprentice

Explore the maritime trades practiced on Lake Champlain in the 18th century. Carpentry, sail-making, and rigging are part of this NEW special hands-on program! Rotating through stations, you will learn how these trades built the boats that drove local and global economies. Pick up a needle and thread, hammer and saw, and work alongside our staff. Grades 3-12

**Rich Strum**

Fort Ticonderoga



### Lake Champlain Basin Giant Map



Meet the biggest, coolest, newest tool for your school: the Giant Lake Champlain Map! An accurate and detailed 35' x 25' vinyl map of our watershed, the giant map is designed to be a spatial and geographical learning tool for teachers and students. By interacting with and learning on the map, students of all ages will learn how where they live is connected to the Lake and be inspired to take care of Lake Champlain. Lessons on the map can truly explore any aspect of the Lake Champlain Basin: history, water quality, geography, science, music, math, literature, and more. Grades 1-6

**Elizabeth Lee**

Lake Champlain Maritime Museum



### Cardinals and Finches and Jays – Oh MY! Be a Bird Sleuth!

You don't have to travel farther than your backyard (or schoolyard) to learn about, and identify local birds, while contributing to the Cornell Lab of Ornithology citizen scientist program. Bird-Sleuth encourages students to be curious and ask questions about what they are seeing. Those questions turn into research projects and innovative studies that the students design themselves. Grades 5-8

Grades 5-8

**Karin Badey**

Up Yonda Farm



### Welcome to the Jungle ... on an Insect Safari

Get a bugs-eye view into local habitats and discuss insect-human relationships. How do our everyday activities flow around the watershed and why does it matter? Using the Enviroscope© we will see our place in our watershed- with the addition of sweep netting we will see and talk about the role insects play in our ecosystem. Grades 3-12

**Jillian Zajac**

Clinton Co Soil & Water Conservation District

**Kristin Collins**

Point Au Roche State Park

## Session B: 12:30 - 2:00

select one, OR choose 3-Hour Session D instead of B/C Sessions



### A River Runs Through It – Learning with the EmRiver Stream Table

Get your students excited about rivers and streams! The EmRiver Stream Table dynamically simulates a wide range of river processes, including sediment transport, meander development and movement, floodplain formation, flow around structures and fluid dynamics. Experience the effects a changing river can have on an ecosystem. Examine the consequences of erosion, deposition, culvert placement and turbidity on habitat. Grades 4-8; 6-11

**Dean Moore**

Warren County Soil & Water Conservation District

**Gary Henry**

AuSable River Association



### Lake Champlain Basin Giant Map



Meet the biggest, coolest, newest tool for your school: the Giant Lake Champlain Map! An accurate and detailed 35' x 25' vinyl map of our watershed, the giant map is designed to be a spatial and geographical learning tool for teachers and students. By interacting with and learning on the map, students of all ages will learn how where they live is connected to the lake and be inspired to take care of Lake Champlain. Lessons on the map can truly explore any aspect of the Lake Champlain Basin: history, water quality, geography, science, music, math, literature, and more. Grades 7-12

**Elizabeth Lee**

Lake Champlain Maritime Museum



### Watershed Workshop: Floating Classroom

A meaningful watershed experience leads to deeper understanding of ecosystems and the desire to protect them. Paul Smith's College Adirondack Watershed Institute provides an exciting immersion into the dynamics of lake ecology, invasive species and watershed protection through its Watershed Workshop. Held partially on water and partially on land, the hands on program allows participants to interact with scientists to understand the complexity of importance of our water resources. Grades 9-12

Grades 9-12

**Zoe Smith**

**Dan Kelting**

Paul Smith's College



### So You Think You Know Our History!

Clinton County extends to the Pacific. Avengers' capture John Wilkes-Booth. WHAT?! Get students excited about local history through weird and little-known facts! From avengers to industry, and battles to suffrage, join Clinton County historians for unusual Lake Champlain Basin highlights! This program also looks at immigration, Native American women, Black history, and the formation of Clinton County. Grades 4-12

**Helen Nerska**

**Jan Couture**

Clinton County Historical Association

## Session C: 2:00 - 3:30

select one, OR choose 3-Hour Session D instead of B/C Sessions



### SeaGrant Stream Monitoring and Stewardship Program

Increase your student's awareness and knowledge of watershed issues. Watershed Alliance provides curriculum, equipment, and instructors to schools and youth groups participating in our programs, as well as support to teachers who wish to integrate watershed education into their current curriculum. Come get a hands-on feel for what our Stream Monitoring program is all about! Grades 6-12

**Nate Trachte**

Lake Champlain Sea Grant



### Engage your Students in Citizen Science

Citizen Science can be a game changer for your classroom. Join us for ideas and tools to enhance your science curriculum and see a different side of your students. Using the same protocol as other contributing citizen scientists, students will be able to collect data, analyze data and draw conclusions about unknown outcomes. Grades 4-12

**Karin Badey**

Up Yonda Farm



### Questioning History and A Soldier's Life in the Digital Age

#### Introduction to Fort Ticonderoga Virtual Classroom Programs & Online Resources

Join Fort Ticonderoga Center for Digital History staff to discover the variety of virtual classroom programs specially curated for each school's local history, highlighting actual soldiers who served at Ticonderoga from locales across the Northeast and Mid-Atlantic, and discuss what happens behind the scenes to ensure a quality educational experience. Grades 3-12

**Rich Strum**

Fort Ticonderoga



### Think Like a Pro - Environmental Site Investigation



What happens when an investigation is required on a property? Using publicly-available resources to collect and evaluate data on topography (current and historical), soils, wetlands, and environmental quality and conduct a basic site reconnaissance. Learn the methods used by professionals to conduct a basic environmental site investigation. Grades 9-12

**Gary Henry**

AuSable River Association

## Session D: 12:30 - 3:30

in lieu of B and C Sessions



### Stream Gaging and Identifying Aquatic Macroinvertebrates

Get in the water for this 3-hour primer on stream gaging and collecting macroinvertebrates. Use the cross-sectional approach for flow determination with both high-tech USGS current meters, and low-tech data collection. Collect and identify benthic macroinvertebrates for assessment of water quality on wadeable streams, and how flow and macroinvertebrates impact the food web. Water safety will also be covered. Grades 9-12

**Steve Kramer**

Miner Institute

**Jillian Zajac**

Clinton County Soil & Water

## Registration - deadline Friday, October 8!

An online registration form can be found at this link <https://forms.gle/5PnZNo9B7asPweXYA>

Please direct any questions to Sue Hagar at [shagar@lcbp.org](mailto:shagar@lcbp.org)

## Directions



<https://www.fortticonderoga.org/visit/hours-and-directions/>

## What is CBEI?

Established in 1992, the Champlain Basin Education Initiative (CBEI) is a consortium of New York, Vermont and Quebec organizations dedicated to helping educators learn and teach about Lake Champlain Basin issues.

Hundreds of educators have participated in our one-day forums or weeklong institutes.

Contact the LCBP or one of the organizations listed for more information.



[watershedmatters.lcbp.org](http://watershedmatters.lcbp.org)

**CBEI partners include:** Community Sailing Center, ECHO, Leahy Center for Lake Champlain, Lake Champlain Basin Program, Lake Champlain Committee, Lake Champlain Sea Grant-UVM/SUNY Watershed Alliance, Lake Champlain Maritime Museum, Our Curriculum Matters, Shelburne Farms