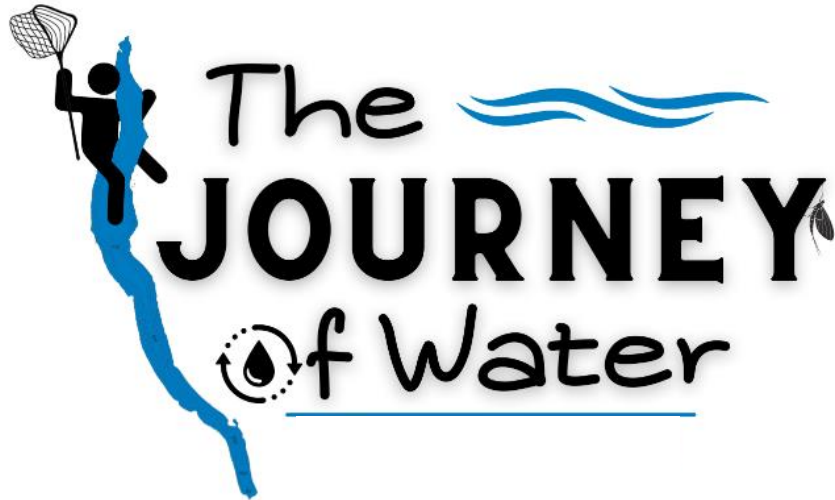




Community Science
Institute
 Partnering with Communities to Protect Water



Programming is most appropriate for children ages 6-14, though all are welcome. Pre-registration is required, and an adult parent/guardian/chaperone must register as well and be present during the duration of the program. Space is limited, so sign up while there is still time!

To register, please visit: <http://www.communityscience.org/journeyofwater>
 info@communityscience.org | 607-233-0811

Wild Wetlands, Fantastic Filters!
Saturday, June 15 @ 10 am - 12 pm
 Montezuma National Wildlife Refuge Visitor Center
 3395 US Route 20 East Seneca Falls, NY 13148

Kick off the Community Science Institute's summer Journey of Water program series with a visit to the Montezuma Wetlands! We'll journey to the north end of the Cayuga Lake watershed and learn about the Montezuma marshes that function as a natural filter helping to remove pollutants, toxins, and sediments

from the water. You'll get up close looks at diverse plants and animals that call the wetlands "home" making this a truly unique and very important ecosystem. After an immersive experience exploring the wetlands, we will try to build our own filter systems! All materials will be provided, and participants will apply some of what they learned about filtration and a bit of creativity to see what materials are most efficient to visually filter water the best.

- **What to wear:** Dress for the weather, layers are always good! Sunglasses, hats, and sunscreen are recommended. Sturdy shoes/sandals are suggested, flip flops/slides are discouraged.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional and recommended: insect repellent, a notebook, a camera, camp chair/picnic blanket.
- **Will we cancel in the case of inclement weather?** We will only cancel in the case of extreme thunderstorms and/or heavy rain. Isolated thunderstorms and passing showers we can work around. If there is rain in the forecast, please come prepared. If we are to cancel, we will contact you via text/phone call and email no later than 2 hours in advance of the program start time. The possibility of this program being rescheduled is TBD depending on staff availability and will be discussed at the time of cancellation.

Water Quality Monitoring Cruise on Cayuga Lake

Sunday, June 30 @ 2 pm - 5 pm

Ithaca Farmers Market at Steamboat Landing

545 3rd Street in Ithaca, NY 14850

Join the Community Science Institute for an exploration of Cayuga Lake aboard Discover Cayuga Lake's 63' Floating Classroom, the MV Teal! For the 17th year running, CSI's Journey of Water program will be partnering with Discover Cayuga Lake to collect and analyze water samples from Cayuga Lake. Participants

will learn how to collect water samples using a Van Dorn sampler and will analyze some of the samples while aboard the boat. Participants will also use a plankton net to collect samples of microscopic organisms to observe and identify under microscopes. Some of the data collected on the cruise will be included in CSI's online water quality database, helping to better our collective understanding of the health of Cayuga Lake! This is a fantastic opportunity for all ages to participate in local water quality science. No experience is needed.

- **What to wear:** Dress in layers; Weather on the lake can be different than on land and it can be very windy and cold or extremely hot out on the water when there's no wind. A hat (that ties under the chin), and sunglasses are HIGHLY recommended. Sturdy shoes/sandals that are secure on the feet are suggested, flip flops/slides are discouraged.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: sun protection, a notebook, a camera, and snacks.
- **Will we cancel the cruise in case of inclement weather?** CSI Staff will be in constant communication with Discover Cayuga Lake Staff on the day of the cruise, and should we need to cancel due to inclement weather, we will make that call at least 3 hours in advance of boarding time. An attempt to reschedule the cruise may be made pending DCL and CSI staff availability. Cancellation communication will be done via text, phone calls, and email.

From Creek to Faucet

Saturday, July 13 @ 1 pm - 3 pm

City of Ithaca Drinking Water Plant

202 Water St. Ithaca NY 14850

Where does the water in your faucet come from? If you live in the City of Ithaca, it is likely that your drinking water comes from Six Mile Creek and is then treated at the City's Drinking Water Plant. Join the Community Science Institute for a tour of the plant with Laboratory Director and Watershed Coordinator, Roxanna Johnston. We'll explore the plant to learn how water is pulled from the creek, treated, and

supplied to residents and businesses in Ithaca. The tour will build upon basic concepts of water quality introduced during the "Wild Wetlands, Fantastic Filters" activity and provide participants with an understanding and appreciation of where their water comes from and how it is managed.

- **What to wear:** Dress for the weather since part of the tour may be outdoors, layers are always good since we may be in air-conditioned areas. Sturdy shoes are suggested, NO open-toed shoes are allowed.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: sun protection, a notebook, camera
- **Will we cancel in the case of inclement weather?** It is unlikely we will cancel due to inclement weather for our sake as participants in the tour (it will take place both inside and outside), but if the facility sees an influx of water their workload may increase, and they may need to cancel. Rescheduling will be TBD.

Stream Biomonitoring Fun!

Tuesday, July 16 @ 10:30 AM - 12:00 PM

Six Mile Creek at Plain Street & S. Titus Ave

Who lives under rocks in the creeks and streams that run through our favorite parks and backyards? What can these organisms tell us about how clean and healthy the water is? Join the Community Science Institute at Six Mile Creek as we explore the aquatic life that can be found under rocks in

streams. This event is meant for the whole family and is very hands-on! Participants are not only invited but

encouraged to wade into the water to search for benthic macroinvertebrates (meaning tiny organisms living at or found at the bottom of the creek, who lack a spine and are large enough to see without a microscope). We will collect samples of these organisms and you'll learn how to identify them and how they can be used to evaluate the water quality and overall ecosystem health. . Those who are interested in following the scientific protocols for collecting an official sample (that will be analyzed at a later date and the results included in CSI's long-term datasets of water quality) can help collect the sample and complete a physical survey of the stream.

- **What to wear:** Dress for the weather, layers are always good! Closed-toed shoes are required for anyone wanting to participate in collecting the official biomonitoring sample for the site. Sunglasses, hats, and sunscreen are recommended.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: a notebook, camera, towel/change of clothes (just in case!).
- **Will we cancel in the case of inclement weather?** We will cancel in the case of thunderstorms, heavy rain, or high-water levels. Isolated thunderstorms and lighter passing showers we can work around. If there is rain in the forecast, please come prepared. If we are to cancel, we will contact you via text/phone call no later than 2 hours in advance of the program start time. This program may be rescheduled if conditions require it to be canceled.

Down the Drain and Into the Lake!
Thursday, July 25 @ 1 pm - 3 pm
Ithaca Area Wastewater Treatment Facility
525 Third St. Ithaca, NY 14850

Have you ever wondered where the water goes when you flush the toilet or after you run your washing machine? Join the Community Science Institute for a tour of the facility with Ithaca Area Wastewater Treatment Facility staff to learn how water arrives at the wastewater treatment plant and then is treated for release back into the lake. This program will build on basic

concepts of water quality introduced during the "Wild Wetlands, Fantastic Filters" program in June (and again in September). It will provide participants with a sense of all that is involved with taking contaminated water and making it safe for release back into the ecosystem.

- **What to wear:** Dress for the weather, layers are always good! Significant portions of the tour will be outdoors in areas with no shade. Sturdy shoes are suggested, NO open-toed shoes are allowed.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: sun protection, a notebook, camera
- **Will we cancel in the case of inclement weather?** It is unlikely we will cancel due to inclement weather for our sake as participants in the tour (it will take place both inside and outside), but if the facility sees an influx of water their workload may increase, and they may need to cancel. Rescheduling will be TBD.

Water Quality Monitoring Cruise on Cayuga Lake
Wednesday, July 31 @ 9 am - 12 pm
Allen H. Treman State Marine Park
805 Taughannock Blvd, Ithaca, NY 14850

Join the Community Science Institute for an exploration of Cayuga Lake aboard Discover Cayuga Lake's 63' Floating Classroom, the MV Teal! For the 17th year running, CSI's Journey of Water program will be partnering with Discover Cayuga Lake to collect and analyze water samples from Cayuga Lake. Participants

will learn how to collect water samples using a Van Dorn sampler and will analyze some of the samples while aboard the boat. Participants will also use a plankton net to collect samples of microscopic organisms to observe and identify under microscopes. Some of the data collected on the cruise will be included in CSI's online water quality database, helping to better our collective understanding of the health of Cayuga Lake! This is a fantastic opportunity for all ages to participate in local water quality science. No experience is needed.

- **What to wear:** Dress in layers; Weather on the lake can be different than on land and it can be very windy and cold or extremely hot out on the water when there's no wind. A hat (that ties under the chin), and sunglasses are HIGHLY recommended. Sturdy shoes/sandals that are secure on the feet are suggested, flip flops/slides are discouraged.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: sun protection, a notebook, a camera, and snacks.
- **Will we cancel the cruise in case of inclement weather?** CSI Staff will be in communication with Discover Cayuga Lake Staff on the day of the cruise, and should we need to cancel due to inclement weather, we will make that call at least 3 hours in advance of boarding time. An attempt to reschedule the cruise may be made pending DCL and CSI staff availability. Cancellation communication will be done via text, phone calls, and email.

From Lake to Faucet

Tuesday, August 6 @ 10 am - 12 pm
 The Southern Cayuga Lake Intermunicipal
 Water Commission at Bolton Point
 1402 East Shore Drive, Ithaca NY 14850

When you start your shower or turn on your garden hose, have you ever wondered where the water in your faucet comes from? If you live in the Towns of Dryden, Ithaca, or Lansing, or the Villages of Cayuga Heights or Lansing, most likely your drinking water comes from Cayuga Lake! It is then treated by the Southern Cayuga Lake Intermunicipal Water Commission at Bolton Point along the east shore of

Cayuga Lake. Join the Community Science Institute for a tour of the facility, to see how water is pulled from the lake, treated, and supplied to area residents. The tour will build upon basic water quality concepts introduced during the "Wild Wetlands, Fantastic Filters" program in June and provide participants with an understanding and appreciation of where their water comes from and how it is managed.

- **What to wear:** Dress for the weather since part of the tour may be outdoors, layers are always good since we may be in air-conditioned areas. Sturdy shoes are suggested, NO open-toed shoes are allowed.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: sun protection, a notebook, camera
- **Will we cancel in the case of inclement weather?** It is unlikely we will cancel due to inclement weather for our sake as participants in the tour (it will take place both inside and outside), but if the facility sees an influx of water their workload may increase, and they may need to cancel. Rescheduling will be TBD.

Stream Biomonitoring Fun!

Wednesday, August 14 @ 5:30 pm - 7 pm
 Robert H. Treman State Park- UPPER TREMAN
 GORGE TRAILHEAD PARKING
 129 Upper Park Rd, Newfield, NY 14867

Who lives under rocks in the creeks and streams that run through our favorite parks and backyards? What can these organisms tell us about how clean and healthy the water is? Join the Community Science Institute at Robert H. Treman State Park as we explore the aquatic life that can be found under the rocks in Enfield Creek. This event is meant for the whole family and is very hands-on!

Participants are not only invited but encouraged to wade into the water to search for benthic macroinvertebrates (meaning tiny organisms living at or found at the bottom of the creek, who lack a spine and are large enough to see without a microscope). We will collect samples of these organisms and you'll learn how to identify them and how they can be used to evaluate the water quality and overall ecosystem health. Those who are interested in following the scientific protocols for collecting an official sample (that will be analyzed at a later date and the results included in CSI's long-term datasets of water quality) can help collect the sample and complete a physical survey of the stream.

- **What to wear:** Dress for the weather, layers are always good! Closed-toed shoes are required for anyone wanting to participate in collecting the official biomonitoring sample for the site. Sunglasses, hats, and sunscreen are recommended.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: a notebook, camera, towel/change of clothes (just in case!).
- **Will we cancel in the case of inclement weather?** We will cancel in the case of thunderstorms, heavy rain, or high-water levels. Isolated thunderstorms and lighter passing showers we can work around. If there is rain in the forecast, please come prepared. If we are to cancel, we will contact you via text/phone call no later than 2 hours in advance of the program start time. This program will not be rescheduled.

Down the Drain and Into the Lake!

Friday, August 23 @ 10 am - 12 am
Ithaca Area Wastewater Treatment Facility
525 Third St. Ithaca, NY 14850

Have you ever wondered where the water goes when you flush the toilet or after you run your washing machine? Join the Community Science Institute for a tour of the facility with Ithaca Area Wastewater Treatment Facility staff to learn how water arrives at the wastewater treatment plant and then is treated for release back into the lake. by the

program will build on basic concepts of water quality introduced during the “Wild Wetlands, Fantastic Filters” program in June (and again in September) and will provide participants with a sense of all that’s involved with taking contaminated water and making it safe for release back into the ecosystem.

- **What to wear:** Dress for the weather, layers are always good! Significant portions of the tour will be outdoors in areas with no shade. Sturdy shoes are suggested, NO open-toed shoes are allowed.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: sun protection, a notebook, camera
- **Will we cancel in the case of inclement weather?** It is unlikely we will cancel due to inclement weather for our sake as participants in the tour (it will take place both inside and outside), but if the facility sees an influx of water their workload may increase, and they may need to cancel. Rescheduling will be TBD.

Stream Biomonitoring Fun!

Saturday, September 7 @ 1 pm - 2:30 pm
Buttermilk Falls State Park (Lower)
106 E Buttermilk Falls Rd, Ithaca, NY 14850

Who lives under rocks in the creeks and streams that run through our favorite parks and backyards? What can these organisms tell us about how clean and healthy the water is? Join the Community Science Institute at Buttermilk Falls State Park as we explore the aquatic life that can be found under the rocks in Buttermilk Creek. This event is meant for

the whole family and is very hands-on! Participants are not only invited but encouraged to wade into the water to search for benthic macroinvertebrates (meaning tiny organisms living at or found at the bottom of the creek, who lack a spine and are large enough to see without a microscope). We will collect samples of these organisms and you’ll learn how to identify them and how they can be used to evaluate the water quality and overall ecosystem health. Those who are interested in following the scientific protocols for collecting an official sample (that will be analyzed at a later date and the results included in CSI’s long-term datasets of water quality) can help collect the sample and complete a physical survey of the stream.

- **What to wear:** Dress for the weather, layers are always good! Closed-toed shoes are required for anyone wanting to participate in collecting the official biomonitoring sample for the site. Sunglasses, hats, and sunscreen are recommended.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: a notebook, camera, towel/change of clothes (just in case!).
- **Will we cancel in the case of inclement weather?** We will cancel in the case of thunderstorms, heavy rain, or high-water levels. Isolated thunderstorms and lighter passing showers we can work around. If there is rain in

the forecast, please come prepared. If we are to cancel, we will contact you via text/phone call no later than 2 hours in advance of the program start time. This program will not be rescheduled.

Water Quality Monitoring Cruise on Cayuga Lake

Sunday, September 15 @ 2 pm - 5 pm
Ithaca Farmers Market at Steamboat Landing
545 3rd Street in Ithaca, NY 14850

Join the Community Science Institute for an exploration of Cayuga Lake aboard Discover Cayuga Lake's 63' Floating Classroom, the MV Teal! For the 17th year running, CSI's Journey of Water program will be partnering with Discover Cayuga Lake to collect and analyze water samples from Cayuga

Lake. Participants will learn how to collect water samples using a Van Dorn sampler and will analyze some of the samples while aboard the boat. Participants will also use a plankton net to collect samples of microscopic organisms to observe and identify under microscopes. Some of the data collected on the cruise will be included in CSI's online water quality database, helping to better our collective understanding of the health of Cayuga Lake! This is a fantastic opportunity for all ages to participate in local water quality science. No experience is needed.

- **What to wear:** Dress in layers; Weather on the lake can be different than on land and it can be very windy and cold or extremely hot out on the water when there's no wind. A hat (that ties under the chin), and sunglasses are HIGHLY recommended. Sturdy shoes/sandals that are secure on the feet are suggested, flip flops/slides are discouraged.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: sun protection, a notebook, a camera, and snacks.
- **Will we cancel the cruise in case of inclement weather?** CSI Staff will be in constant communication with Discover Cayuga Lake Staff on the day of the cruise, and should we need to cancel due to inclement weather, we will make that call at least 3 hours in advance of boarding time. An attempt to reschedule the cruise may be made pending DCL and CSI staff availability. Cancellation communication will be done via text, phone calls, and email.

Wild Wetlands, Fantastic Filters!

Saturday, September 28 @ 1 pm - 3 pm
Buttermilk Falls State Park "Baseball Field"
Sandbank Road Parking Lot

Close out Community Science Institute's summer Journey of Water program series by joining us for a visit to a less well-known part of Buttermilk Falls State Park! Participants will learn about Larch Meadows, a shrub swamp that functions as a natural filter helping to remove pollutants, toxins, and sediments from the water. You'll get up close

looks at diverse plants and animals that call the wetlands "home" making this a truly unique and very important ecosystem. After this immersive experience, we will find a shady spot to then "DIY" our own filter systems! All materials will be provided, and participants will apply some of what they learned about filtration and a bit of creativity to see what materials are most efficient to visually filter water the best.

- **What to wear:** Dress for the weather, layers are always good! Sunglasses, hats, and sunscreen are recommended. Sturdy shoes are suggested, flip flops/slides are discouraged.
- **What to bring:** Your Journey of Water passport, and a water bottle! Optional: sun protection, a notebook, camera
- **Will we cancel in the case of inclement weather?** We will only cancel in the case of extreme, prolonged thunderstorms and/or heavy rain. Isolated thunderstorms and passing showers we can work around. If there is rain in the forecast, please come prepared. If we are to cancel, we will contact you via text/phone call no later than 2 hours in advance of the program start time. This program will not be rescheduled.

PARK FOUNDATION

The Journey of Water program series would not be possible without the continued support from the Park Foundation. The Park Foundation's support allows CSI to continue offering unique, experiential learning activities focused on connecting youth with their local water resources and how these resources are managed. Through this series, CSI provides locally focused water science learning opportunities free of charge to dozens of children and accompanying adults.



Discover
CAYUGA LAKE



Collectively, CSI's "Journey of Water" program series provides a strong, place-based understanding of water management for local youth by utilizing CSI's in-house water science expertise and our partnerships with state agencies and local organizations.