



MACROINVERTEBRATE WORKSHOP FOR TEACHERS

**LEARN ABOUT THESE INDICATORS OF WATER QUALITY
AND BUILD AN ONLINE IDENTIFICATION TOOL TO USE WITH YOUR STUDENTS!**

A hands-on workshop for teachers and community partners.

Date: Wednesday, July 25th, 2018, 10:00am-3:00pm

Cheray Science Hall, St. Michael's College, Colchester, Vermont

RSVP by contacting: cwdd@smcvt.edu

Join us for a day of learning about macroinvertebrate communities in Vermont streams. Involving students in sampling and identifying macroinvertebrate communities is a terrific place-based, hands-on approach to teaching standards addressing earth systems, ecology, human activities and impacts on natural resources, biodiversity, and environmental change.

Lead Presenter: Dr. Declan McCabe, Professor of Biology at Saint Michael's College
Cost: Free
Lunch: Provided
Transportation: Roundtrip mileage reimbursement to Colchester available

TEACHERS WILL:

- Identify macroinvertebrates found in Vermont's streams
- Learn which taxa indicate good vs. poor water quality
- Locate a stream near their school
- Prepare a WikiEducator webpage to facilitate students' identification of the taxa found at your stream site



The Vermont EPSCoR Streams Project WikiEducator page

(<http://wikieducator.org/Rivers/home>) was created to provide macroinvertebrate identification tools for educators. It now contains over 80 stream-specific pages used by educators with their classes.

Workshop participants will create a page for their own stream site on the WikiEducator page, which because of the Wiki nature of the site, can be adjusted by the educator in the future as needed. You can even take your custom stream wiki to the field site! Download the app from iTunes:

<https://itunes.apple.com/us/app/macroinvertebrates/id895060595?mt=8>

To Register: Contact cwdd@smcvt.edu or call (802) 654-3270.

This workshop is offered as a part of the NSF-funded Basin Resilience to Extreme Events program. This workshop is an opportunity for educators to learn research methods and plan a service-learning project in their community while contributing to a larger university research program.

Funding provided by the National Science Foundation under VT EPSCoR Grant No. NSF OIA 1556770

