



## 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 gr. 5-9\* teachers and community partners.

\*Material is most relevant to grades 5-9 but teachers of all grades are welcome!

**Tuesday, July 9th**

**10:00-3:00pm**

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

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.

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

### TEACHERS WILL:

- Identify macroinvertebrates found in Vermont's streams
- Learn which taxa indicate good vs. poor water quality
- Practice using metrics of taxa abundance and diversity
- 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 60 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.

To Register: Contact Lindsay Wieland at [cwdd@smcvt.edu](mailto:cwdd@smcvt.edu) or call (802) 654-3270.

This workshop is offered as a part of the NSF-funded Research on Adaptation to Climate Change program, currently being conducted by researchers at Saint Michael's College, the University of Vermont, Middlebury College and Johnson State College. 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 NSF EPS #1101317*