



**Carleton**  
UNIVERSITY

**Canada's Capital University**

## Discovering Earth Sciences Inquiry-based Field Experience for Teachers

**Applications are now being accepted**

**Date:** Sunday, July 5 to Saturday July 11, 2020

**Departure and return:** Carleton University, Department of Earth Sciences,  
Room 2120 Herzberg Building

**Accommodations:** Queen's University Biological Station, Opinicon Lake, ON

**Program:** residential field experience with daily visits to regional outcrops  
and sites of geological interest to explore inquiry-based learning

**Field trip leaders:** Beth Halfkenny and Claudia Schröder-Adams

**Who can apply:** educators from K-12, including in service and pre-service  
teachers, all levels of expertise and experience who teach  
science or physical geography

**Fee:** \$250 (*includes accommodations, daily travel by van, all meals, and  
participant resource kit*)

**Number of participants:** up to 10 teachers

**Funding:** EdGEO Canadian Earth Science Teacher Workshop Program and  
Carleton University Earth Sciences Teacher Professional Development Fund

**Application Deadline:** March 15, 2020

### **Description:**

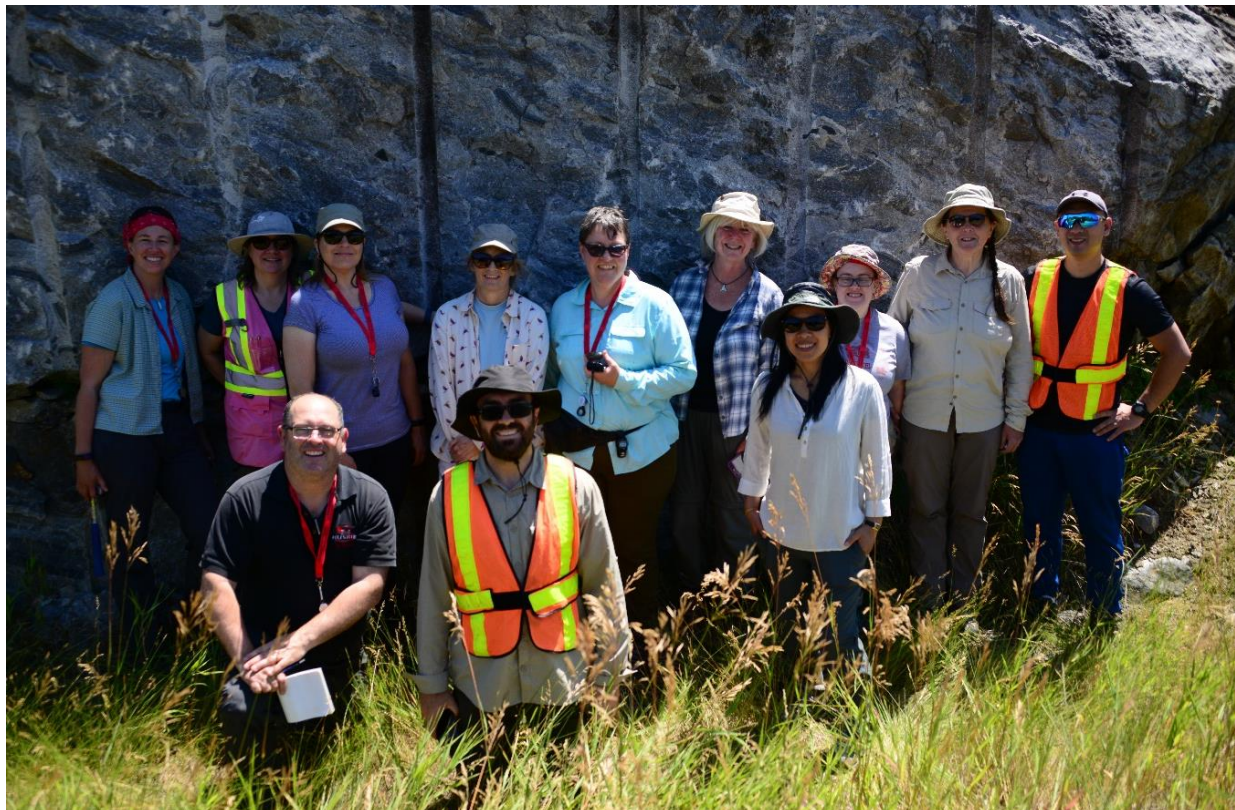
Earth Science is a discipline best taught through hands-on learning in a field-based setting. This weeklong science-immersion field course will provide an opportunity to explore inquiry-based learning in a field setting. Participants will learn concepts and skills Ontario K-12 teachers are expected to understand and employ, while enhancing their understanding of geoscience and physical geography concepts laid out in the Ontario Curriculum.

Over the course of the program, you will explore and practice examples of effective discovery-learning techniques, to build a skill set that allows a means to investigate any natural setting, and which can be used in your own teaching with your own students. During our daily excursions, we will work as a team to solve geological problems and gain a deeper understanding of processes involved in creating the landscapes around us.

Queen's University Biology Research Station, near Perth, Ontario will be our base-camp, providing a starting point for our daily excursions to visit ancient rock exposures and modern natural environments in the region between Ottawa and Kingston. The research station provides cabin style shared accommodations, cafeteria-style meals, and classroom space for evening investigations.

You will be provided with investigation tools and the opportunity to collect and catalogue rock, mineral and fossil specimens for classroom use. At the end of this course the team will create or modify an activity or lesson plan based on our experiences during the week. Along with this new activity, you will take away a collection of ready to use teaching resources and ideas.

Please visit <https://earthsci.carleton.ca/outreach/teachers-workshop> for more information and to download the application form, or contact Beth McLarty Halfkenny [beth.mclartyhalfkenny@carleton.ca](mailto:beth.mclartyhalfkenny@carleton.ca)



2018 Field Excursion participants