



Carleton
UNIVERSITY

Canada's Capital University

Discovering Earth Sciences Inquiry-based Field Experience for Teachers

Application deadline has been extended to May 15!

Date: Sunday, July 8 to Saturday July 14, 2018

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

Accommodation: 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

Fee: \$200 (*includes accommodations, daily travel by van, all meals, and
participant resource kit*)

Number of participants: up to 10 teachers

Description:

Earth and Space Sciences is a discipline best taught through hands-on learning in a field-based setting. This weeklong science-immersion field course will provide the 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 concepts laid out in the Ontario Curriculum. Over the course of the program, participants will explore examples of effective discovery-learning techniques, and will be provided with

investigation tools and the opportunity to collect and catalogue rock, mineral and fossil specimens for classroom use.

Accommodations near Perth will provide a base-camp, allowing us to explore ancient rock exposures and modern natural environments in the region between Ottawa and Kingston. Participants should expect to continue investigations and discussions on our return in the evenings.

The overarching concept of teamwork will be practiced to solve geological problems and to gain a deeper understanding of processes involved in creating the landscapes and rock under investigation. The goal of this field experience is to hone a skill set that allows a means to investigate any natural geological landscape, ask the right questions to piece together local geological history; a skill set of experiential teaching and learning that can be carried back into your classrooms. At the end of this course, each participant will be expected to create or modify an activity or lesson plan based on their experiences during the weeklong program that can then be shared with all.

Download an application form here:

<https://earthsci.carleton.ca/outreach/teachers-workshop>

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