

# Scientific Method II

## Objectives

1. Students will be able to express the basic science behind soil remineralization, known as enhanced rock weathering within academia.
2. Students will be able to discuss potential applications of soil remineralization, incorporating their own diverse experiences.
3. Students will be able to think critically about the connections between society and science and communicate their reflections on the effects of innovation on human life using local, national, and global perspectives.
4. Students will be able to empower themselves by modelling and experimenting with solutions to environmental issues, ranging from eutrophication to climate change, while refining their own understanding of the scientific method.

### *Application: Revisiting the Barbuda-Montserrat Problem*

Now that students have learned the basics of remineralization, ask them to read “‘Ash to cash’: Montserrat gambles future on the volcano that nearly destroyed it” (link available in the “Resources and Citations” section of this document). Hold a discussion using the following suggested questions:

What role could soil remineralization play in Montserrat’s future with respect to the events, actions, and proposals discussed in the Guardian article?

How will your thinking help the people of Montserrat?

How can Montserrat and the rest of the global community turn this unfortunate situation into something that benefits the Earth and its inhabitants?

How does science influence history? Society?

Why might it be important to work with or consult scientists to fix issues that governments are facing?

How has this article changed your view of what science is and can be?

### **Resources and Citations**

1. [The Guardian Montserrat Article](#)