

---

## Scientifically-Interesting Story of Volcanoes Effect on Air Quality



## Volcanoes Effect on Air Quality

Are you looking for a storyline to use with your students that features NASA data? Consider using the following resources in your classroom today!

Use these resources with your students to show how a local volcanic event can have global impact on climate. This storyline evidences how the June 1991 Mount Pinatubo eruption in the Philippines resulted in a measurable cooling of the Earth's surface for a period of almost two years.

- [Presentation](#)
- [Teacher Script](#)
- [Student Handout](#)

### Document Resources

- [Student Handout](#)
- [Presentation Script](#)

- 
- [Presentation](#)

## Grade Band

- [3-5](#)
- [6-8](#)
- [9-12](#)

## Supported NGSS Performance Expectations

- [MS-ESS2-1: Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process.](#)
- [MS-ESS2-2: Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.](#)
- [MS-ESS3-2: Analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects.](#)
- [HS-ESS2-2: Analyze geoscience data to make the claim that one change to Earth's surface can create feedbacks that cause changes to other Earth systems.](#)

## NGSS Disciplinary Core Ideas

- [ESS2A: Earth Materials and Systems](#)
- [ESS3A: Natural Resources](#)

## NGSS Science and Engineering Practices

- [Developing and Using Models](#)
- [Analyzing and Interpreting Data](#)

## Crosscutting Concepts

- 
- [Cause and Effect](#)
  - [Stability and Change](#)