

Geosphere 1889: Journey through the Rock Cycle

PROGRAM DESCRIPTION

Learn about fossils, minerals, the Rock Cycle, tectonic movements, and much more in this inquiry-based adventure that pits Her Majesty's Extraordinary Adventures against the brilliant Baron von Vaderstein in a race to explore the Earth's crust and learn about the rocks, minerals, and mysteries that await within.

Visit STEMpunkED.com/Programs for more details

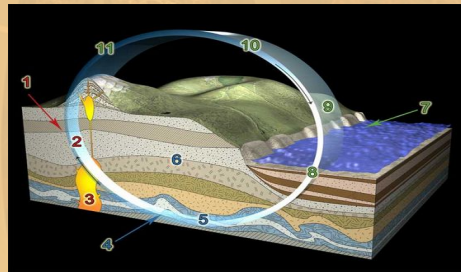
LOGISTICS, FEE & DELIVERY REQUIREMENTS

Duration: 5.0 hour interactive program | **Age Range:** 8-Adult | **Participants:** 10-30

Cost: See Website | **Requirements:** Video Projector with HDMI port and speakers ; 1 large table for presenter's items ; tables and chairs for groups of 3-4 ; Large collection of materials drawn from home recycling ; 0.75 hour setup and breakdown times ; additional travel charges may apply.

CORE TOPICS & GOALS

- ▲ Demonstrate how Earth's materials are broken down and/or combined into different materials
- ▲ Trace the path of the Rock Cycle, locate the types of rock in the cycle, and explain the formation of soil and sand
- ▲ Analyze mineral and rock samples using physical property tests, record data on results, and then use data to classify and identify samples



CORE TOPICS & GOALS

- ▲ Interpret how Earth's geologic history is relevant to our understanding of the processes that have shaped our planet
- ▲ Demonstrate how the theory of plate tectonics helps to explain geological, physical, and geographical features of Earth
- ▲ Explain the formation of fossils and fossil fuels and identify which are usable resources for human activity

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