

Guiding Inquiry Card: Animated Earth



Workshop Overview

Challenge 1

- a. To facilitate Challenge 1, Learners may need:
 - a. Video 1 - Introduction and, if desired, Video 2 - A Portrait of Pangaea and Video 3 - Setting Some Boundaries
 - b. Pangaea Puzzle, Layers of the Earth, Technology, Earthquakes, and Observation Research Cards

Challenge 2: Dirt Detectives

- a. To facilitate Challenge 2, Learners may need:
 - i. Video 4 - Dirt Detectives
 - ii. Areas or objects for Learners to explore in-class, outside, or in their homes and communities
 - iii. Observation Research Card

Challenge 3: What-dunnit?

- a. To facilitate Challenge 3 **online**, Learners may need:
 - i. Access to the internet and a device
 - ii. Observation Research Card
- b. To facilitate Challenge 3 **offline**, Learners may need:
 - i. Culprit Research Cards
 - ii. Observation Research Card

Challenge 4: Make Your Case Against Your Culprit (Literally)

- a. To facilitate Challenge 4, Learners may need:
 - i. Observation, Technology, Layers of the Earth, Earthquakes Research Cards
 - ii. Other models or demonstrations (Erosion table, earthquake simulator, crafting materials)