Laarman Lesson Plan

Class: Earth Science Unit: Earth’s Resources Standards: ESS3-6

Date: 4/22/24 – 4/23/24 Topic: Earth’s System

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| Learning Plan | Students finish sharing their storytelling projects with the class. |

Topic: Mineral Mining Date: 4/24/24

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| **Materials, Prep** | Post “Mineral Resources Exploration” assignment on Classroom. |
| **Objective** | Students gain understanding of where the minerals they rely on come from and how they are connected to the health of the Earth and the lives of people around the world.  |
| **Procedure** | 1. Introduce the topic: Hopefully over these past weeks you have been gaining insight on where we get the materials we need to survive and live the lifestyles we’ve grown accustomed to. Hopefully you’re also growing in your understanding how the Earth System works and how interconnected everything is, and the challenge of obtaining the needed resources without disrupting the Earth system too much.
2. Students complete the “Mineral Resources Exploration” assignment on Classroom.
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Topic: Local Mining Date: 4/25/24

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| **Materials, Prep** | Back Forty Mine article, Earth’s Resources PowerPoint |
| **Objective**  | Motivation; convince students of the importance of analyzing how we extract Earth’s resources and show how it relates to all of our lives. |
| **Anticipatory Set** | Google Earth: Tilden and Empire mines in Ishpeming/Negaunee area. |
| **Procedure**  | Students read [article](http://www.jsonline.com/story/news/local/wisconsin/2016/09/19/michigan-mine-prompts-scrutiny/90522306/) on the proposed “Back Forty Mine” and complete a note sheet: Neutral facts, arguments, for, and arguments against |

4/26/24: Fact Check Friday