



# Virtual Vulcan Student Videos

## Inside Lone Pine Mine: Workers and Their Tools

### *Teacher Resources*

**Objective:** The student will analyze the different methods of mining iron ore and the tools used and will identify the ways that mining history and science collide.

Alabama Course of Study Social Studies Standards:

**3<sup>rd</sup> grade:**

- 3 ) Describe ways the environment is affected by humans in Alabama and the world. (Alabama)
- 4 ) Relate population dispersion to geographic, economic, and historic changes in Alabama and the world.

**4<sup>th</sup> grade:**

- 4 ) Relate the relationship of the five geographic regions of Alabama to the movement of Alabama settlers during the early nineteenth century.
- 10 ) Analyze social and educational changes during the late nineteenth and early twentieth centuries for their impact on Alabama.

**Collection of photos featuring Alabama mines and miners**

<https://www.loc.gov/search/?fa=subject:alabama%7Csubject:mining>

**Collection of mining related photos from Birmingham area**

<https://www.loc.gov/search/?fa=location:birmingham&q=mining+birmingham,+al>

**Map of mining operation in Birmingham area**

<https://www.loc.gov/resource/hhh.al0960.sheet>

**Background information on Birmingham iron industry**

<http://encyclopediaofalabama.org/article/h-1638>

**History of mining along Red Mountain from Red Mountain Park**

<https://redmountainpark.org/about/history/>

**Information about the life of miners in Alabama**

<http://encyclopediaofalabama.org/article/h-2034>