



## Virtual Vulcan Student Videos

### **Foundries, Furnaces, and Factories: Making Iron in Alabama**

#### *Teacher Resources*

**Objective:** The student will recall the ingredients used to make iron, recognize why iron was and is a valuable resource, and will describe the mining process in the early 20th century.

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.

4th grade:

- 10 ) Analyze social and educational changes during the late nineteenth and early twentieth centuries for their impact on Alabama. (Explaining the development and changing role of industry, trade, and agriculture in Alabama during the late nineteenth and early twentieth centuries)

5th grade:

- 13 ) Describe social and economic influences on United States' expansion prior to World War I.

6th grade:

- 1 ) Explain the impact of industrialization, urbanization, communication, and cultural changes on life in the United States from the late nineteenth century to World War I.
- 4 ) Identify cultural and economic developments in the United States from 1900 through the 1930s.

**History of Red Mountain from Red Mountain Park**

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

**STEAM Activity Guide from VPM**

<https://visitvulcan.com/uploads/2020/04/At-Home-STEM-Activities.pdf>

**Map of Mining Sites in Birmingham Area**

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

**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>

**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>