



# North Pennine Lead Industry

## The Big Picture

Investigating the early industrial history of the North East of England. Complementing visits to Killhope Mining Museum [www.killhope.org.uk](http://www.killhope.org.uk)

Age: Years 3 to 9 Science, History KS2, KS3  
Copyright free for educational use

## Objectives

- Understanding the uses of lead and why it was mined
- Understanding the process of turning lead ore (galena) into lead metal
- Understanding the early industrial revolution
- Understanding change over time

## Stickability

- Projection of self as a worker
- Support for site visit
- Journey of the lead ore from the mine to the staiths

## Questions

- Where does lead come from?
- Who worked in the lead industry?
- Who benefitted from the lead industry?
- What are the legacies of the lead industry?

## The Lure

Historic images and follow up or preparation for site visit

## Peer and self assessment

- Persuade peer to choose the job of a smelter, miner or carrier
- Explain what happened to the lead ore after it had been mined

## Key words

- Galena, ore, miners, crushing
- Carriers, Galloway ponies
- Smelters, hearths, Mill, Dukesfield
- Staiths, markets, river, railway

## Differentiation

- Follow the money – where did the money come into the lead business, who kept most of it?
- Compare the lives of a miner, smelter and carrier - temperature, light, effort, food & drink
- Who made the paintings?