

So What Do You Know About Bauxite Mining?

Before you embark on any unit of work, it's good to find out what you already know before thinking about what you need to know. In your class or group, brainstorm everything you already know about mining. Write this up on a big chart or board.

Now, in pairs, write up a list of questions about bauxite mining. You may choose to start with simple questions before going on to the more analytical and controversial. Leave a lot of blank space at the bottom of your questions page. Often, the more you read about a particular topic, the more questions you have! Continue to write up more questions as you go.

Write a list of all the ways you can find answers to your questions. Check out the resource list on www.alcoa.com.au which will help you to get started.

What Do You Mean? - Definitions

Topic: Bauxite Mining

You Will Need:

- Access to the internet or school library

What You Need to Do:

- Give a written or oral explanation of the following terminology:
 - a) bauxite
 - b) rehabilitation
 - c) sustainable development

Extension/ Alternative

In one class discussion, create a glossary that might include the following words and phrases:

- global information system (GIS)
- biodiversity
- mining footprint
- exploration drilling
- forest products commission
- cap rock
- friable bauxite
- overburden
- crusher
- mine management plan
- mobile equipment
- sustainability
- scrapers





mining and rehabilitation

You might like to create your class glossary as a chart for your classroom. That way you can refer to it easily.

Possible Glossary

Fixed Plant	DEC (Department of Environment and Conservation)
Bund Walls	Wash Down
Grade Control	Exploration Surveying
Drilling Rig	Radio Silence
Haul Road	Sumps
Excavator	Laser Guidance System
Geologist	Mining Process
Surveyor	Crusher
Conveying	Haul Truck
Blast Acoustic Model (BAM)	Grader
Grade Control	Blasting
Mine Manager	Ripping
Production	
Environmental Scientist	

Curriculum Links

English: Writing, Reading, Speaking & Listening

Society and Environment: Investigation, Communication & Participation, Resources, Place and Space, Active Citizenship - Ecological Sustainability

Science: Natural and Processed Materials, Earth and Beyond

