

## Plan To Mine Your Own Backyard

### Topic: Mining and Rehabilitation

#### Background Information

Prior to mining commencing there is an approval process that takes place. To assist in the submission for approval a number of surveys are conducted, these include flora surveys, fauna surveys, Aboriginal and European settlement and dieback mapping.

The information from the surveys is collated and details included in a Mining Management Plan which is then submitted with a mine Five Year Plan. The mine plan indicates how mining impacts are minimised, whilst the Five Year Plan provides information on haul roads and pit areas.

#### What You Need To Do

- Draw a map (birds eye view) of your school, home or neighbourhood. Imagine that bauxite deposits have been found in various locations.
- Mark your mining lease on the map
- Sketch a mine map over the mining lease, show areas to be mined(pits), haul roads and an area stockpile the bauxite
- What surveys will need to be conducted to establish the mine?
- Prepare a mine management plan and five year plan for submission to gain approval to mine
- Include specifications of planned rehabilitation for the area.

#### Extension/Alternatives

- How would a different mineral affect your style of mining and plan preparations?
- How would your map, mining and rehabilitation plan and rehabilitation vary?

- Plan to landscape a garden as part of the rehabilitation process.

### Curriculum Links

**English:** Writing

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

**Science:** Investigating, Life and Living, Earth and Beyond, Natural and Processed Materials, Energy and Change

**Technology and Enterprise:** Systems

**Mathematics:** Space

### Values

Environmental Responsibility