

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 & 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

5. Environmental Responsibility