

## Soil profile in a jar

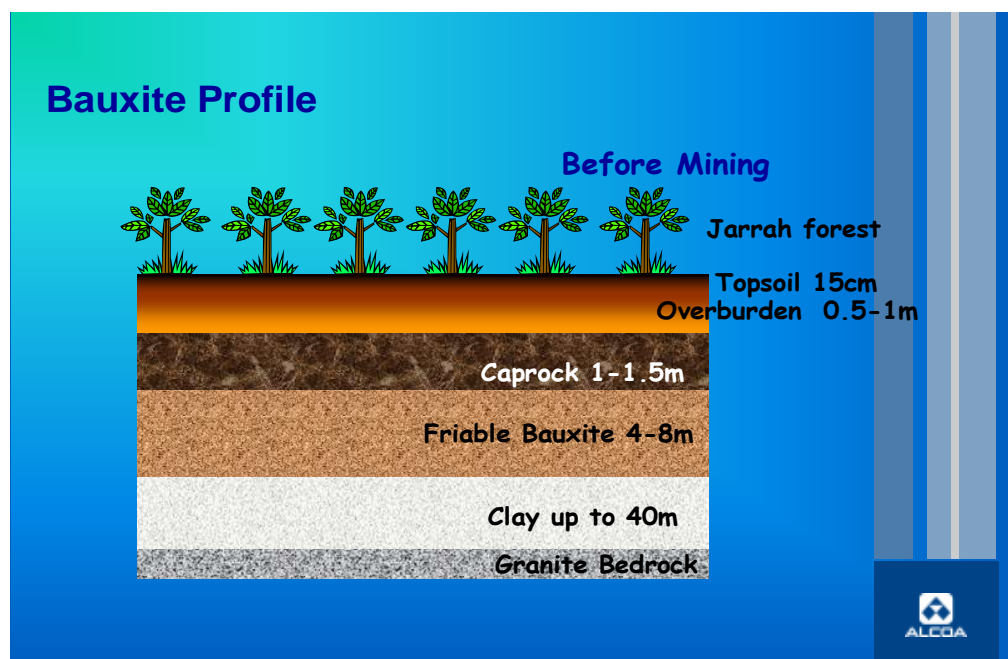
**Topic:** Mining and Rehabilitation

**You will need:**

- Glass Jar
- Variety of soil samples – include sandy, loamy, gritty.

**Background Information:**

In Western Australia bauxite occurs at a depth of approximately 50cm consisting of the caprock layer and friable bauxite layer (loose gritty layer beneath the hard caprock) to an average depth of 4-8m. Above the caprock is the soil layer which consists of overburden and topsoil.



**What you need to do**

Create a bauxite profile by placing the soil in defined layers in the jar.

**Extension/Alternatives**

Prepare another jar showing the layers after mining and rehabilitation has occurred.



**Curriculum Links:**

**Society & Environment:** Place and Space, Resources

**Science:** Earth and Beyond, Natural and Processed Materials

**Technology and Enterprise:** Information



australia's aluminium