Dial R for Recycle

Your resources

Work space - A3 sheet for dismantling the phone

Components and materials - for identifying the phone parts, the minerals and materials they contain.

Periodic table for filling in elements in the phone

Electronic scales for total and battery weights.

Your Safety

- Always place the phone on a stable surface when dismantling. Take care when using the tools.
- DO NOT open the battery casing – these contents can be toxic if ingested
- Take care when dismantling phones with a ‘liquid crystal’ display’, found mostly older style Nokia phones - wear gloves when you are separating the screen from the rest of the phone.

Mobile Metal facts

Batteries in mobiles are rechargeable and are based on metals - lithium oxide or Nickel Cadmium or Nickel metal Hydride

A ton of mobile phones includes:
- 100 kilograms of copper
- 3 kilograms of silver
- 1.5 kilograms of palladium
- 200 grams of gold (gold mines produces 5 grams of gold per ton of rock)
- 200 grams of platinum

How many mobile phones?!

The number of mobile phones in Australia exceeded the population in 2007 (21.25 million)

In 2011 Australians purchased over 1 million phones a month – that’s 34,000 a day!!

There are over 5 billion mobile phone connections or accounts worldwide.