

Unit outcomes

Material world

Science outcomes

Material world is a Stage 2 unit. Unit outcomes have been identified for Level 2 and Level 3 of the *National Scientific Literacy Progress Map*, allowing teachers to cater for the range of abilities in the fourth and fifth years of schooling. Summative assessment will need to take account of the levels of achievement expected for a cohort of students. Summative assessment of conceptual learning outcomes (**c**) occurs in the *Evaluate* phase and summative assessment of the investigating outcomes (**i**) occurs in the *Elaborate* phase.

Level 2

- c** Describe and compare the properties of materials.
- c** Identify an appropriate use for a material based on its properties.
- i** Identify some variables that can be investigated.
- i** Make non-standard measurements and record data in a table.

Level 3

- c** Select materials for various uses showing an awareness of consequences for humans and the environment.
- c** Explain why the properties of a material make it suitable for a particular use.
- i** Plan an investigation showing awareness of the need for fair testing.
- i** Display results from tests as a graph and summarise patterns in results.

Literacy focuses

Material world engages students in activities that reflect the mutually supportive relationship between science and literacy. Learning activities are designed to explicitly introduce the literacy focuses and provide students with the opportunity to use them as they think about and represent their understanding of science.

The interdependence of science and literacy is demonstrated throughout the unit when students participate in discussions and use talk to: inquire, report on observations, clarify understanding and reflect on experience. The use of gestures and oral, written and visual language to relate science to students' personal worlds is another important aspect.

The literacy focuses identified for *Material world* are:

- science journals
- word walls
- glossaries
- tables
- role-plays
- factual texts
- graphs.