

## Unit outcomes

### Science outcomes

*Sounds sensational* is a Stage 1 unit. Unit outcomes have been identified for Level 1 and Level 2 of the *National Scientific Literacy Progress Map*, allowing teachers to cater for the range of abilities in the second and third 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 1

- c Identify sources of sound.
- c Describe some uses of sound.
- c Describe characteristics of sound, for example, loud, soft, high, low.
- c Identify materials through which sound travels, for example, solids and water.
- i Follow directions to conduct simple investigations about sound.
- i Make and share observations.

#### Level 2

- c Using familiar examples, describe vibrations as the cause of sound.
- c Compare sounds in terms of loudness and pitch.
- c Compare the transmission of sounds through different materials, for example, solids, water and sound absorbers.
- c Explain how to change the pitch of a sound source.
- i Identify some variables that can be investigated.
- i Make and record observations.

### Literacy focuses

*Sounds sensational* engages students in activities that reflect the mutually supportive relationship between science and literacy. Learning activities have been designed to explicitly introduce the literacy focuses and to 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 oral, written and visual language to relate science to students' personal worlds is another important aspect.

The literacy focuses identified for *Sounds sensational* are:

- science journals
- word walls
- TWLH charts
- role-plays.