Learning area organisation

Science

Aims

- Develop an interest in Science
- Develop solid foundation of science knowledge
- Understand the scientific inquiry process
- Communicate scientific understanding and findings to a range of audiences
- Solve problems and make informed decisions
- Understand the dynamic nature of science knowledge

Content strands

- **Science understanding**
- **Science inquiry**

Content sub-strands

Science understanding

- Biological sciences
- Chemical sciences
- Earth and space sciences
- Physical sciences

Science inquiry

- Questioning and predicting
- Planning and conducting
- Processing, modelling and analysing
- Evaluating
- Communicating
- Collaborating and applying

Key messages

Science understanding

The Science understanding strand provides students with the science knowledge to explain and predict phenomena and apply that knowledge.

All Science understanding sub-strands are equally important and can be taught separately or through programs created to link to more than one sub-strand.

Science inquiry

The Science inquiry strand allows students to explore and investigate phenomena and issues to collaboratively propose explanations and solutions.

Science inquiry learning experiences could combine all or some of the Science inquiry sub-strands through science investigations and practical activities.

The sub-strand Collaborating and applying should be integrated into the Science understanding content and/or the context being used to teach the curriculum content.

Ways of teaching

Science has two interrelated strands: Science understanding and Science inquiry. Together, these strands provide students with understanding, knowledge and skills through which they can develop a scientific view of the world. In the practice of science, the strands should be taught in an integrated way.

