

Year 1 Syllabus

Year Level Description

The science inquiry skills and science as a human endeavour strands are described across a two-year band. In their planning, schools and teachers refer to the expectations outlined in the achievement standard and also to the content of the science understanding strand for the relevant year level to ensure that these two strands are addressed over the two-year period. The three strands of the curriculum are interrelated and their content is taught in an integrated way. The order and detail in which the content descriptions are organised into teaching and learning programs are decisions to be made by the teacher.

Incorporating the key ideas of science

From Pre-primary to Year 2, students learn that observations can be organised to reveal patterns, and that these patterns can be used to make predictions about phenomena.

In Year 1, students infer simple cause-and-effect relationships from their observations and experiences, and begin to link events and phenomena with observable effects and to ask questions. They observe changes that can be large or small and happen quickly or slowly. They explore the properties of familiar objects and phenomena, identifying similarities and differences. Students begin to value counting as a means of comparing observations, and are introduced to ways of organising their observations.

**Science
Understanding**

BIOLOGICAL SCIENCES

**Science as a
Human
Endeavour**

NATURE AND

**Science Inquiry
Skills**

QUESTIONING AND
PREDICTING

Living things have a variety of external features ([ACSSU017](#))

Living things live in different places where their needs are met ([ACSSU211](#))

CHEMICAL SCIENCES

Everyday materials can be physically changed in a variety of ways ([ACSSU018](#))

EARTH AND SPACE SCIENCES

Observable changes occur in the sky and landscape ([ACSSU019](#))

PHYSICAL SCIENCES

Light and sound are produced by a range of sources and can be sensed ([ACSSU020](#))

DEVELOPMENT OF SCIENCE

Science involves observing, asking questions about, and describing changes in, objects and events ([ACSHE021](#))

USE AND INFLUENCE OF SCIENCE

People use science in their daily lives, including when caring for their environment and living things ([ACSHE022](#))

🧑🏫 Personal and social capability

⚖️ Ethical understanding

Pose and respond to questions, and make predictions about familiar objects and events ([AC SIS024](#))

📖 Literacy

🧠 Critical and creative thinking

🧑🏫 Personal and social capability

PLANNING AND CONDUCTING

Participate in guided investigations to explore and answer questions ([AC SIS025](#))

📖 Literacy

🧠 Critical and creative thinking

🧑🏫 Personal and social capability

Use informal measurements to collect and record observations, using digital technologies as appropriate

(AC SIS026)

 Literacy


 Numeracy

 Information and

Communication

Technology (ICT)

capability

 Critical and creative
thinking


PROCESSING AND ANALYSING DATA AND INFORMATION

Use a range of
methods to sort
information, including
drawings and provided
tables through
discussion, compare
observations with
predictions

(AC SIS027)

 Literacy


 Numeracy

 Critical and creative
thinking

EVALUATING

Compare observations with those of others
([AC SIS213](#))


 Literacy

 Critical and creative thinking

COMMUNICATING

Represent and communicate observations and ideas in a variety of ways ([AC SIS029](#))

 Literacy

 Critical and creative thinking

Year 1 Achievement Standard

Science Understanding

At Standard, students describe objects and events that they encounter in their everyday lives, and the effects of interacting with materials and objects. They describe the external features of living things and how different places meet the needs of living things. Students describe changes in their local environment.

Science as a Human Endeavour

Students share how people use science in their daily lives, including when caring for the environment and living things.

Science Inquiry Skills

Students respond to questions, make predictions, and participate in guided investigations of everyday phenomena. They follow instructions to record and sort their observations and share them with others.

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