Year 2 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 2, students describe the components of simple systems, such as stationary objects subjected to pushes or pulls, or combinations of materials, and show how objects and materials interact through direct manipulation. They observe patterns of growth and change in living things, and describe patterns and make predictions. They explore the use of resources from Earth and are introduced to the idea of the flow of matter when considering how water is used. They use counting and informal measurements to make and compare observations and begin to recognise that organising these observations in tables makes it easier to show patterns.

Science	Science as a	Science Inquiry

Understanding

BIOLOGICAL SCIENCES

Living things grow, change and have offspring similar to themselves (ACSSU030)

CHEMICAL SCIENCES

Different materials can be combined for a particular purpose (ACSSU031)

EARTH AND SPACE SCIENCES

Earth's resources are used in a variety of ways (ACSSU032)

PHYSICAL SCIENCES

A push or a pull affects how an object moves or changes shape (ACSSU033)

Human Endeavour

NATURE AND DEVELOPMENT OF SCIENCE

Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE034)

USE AND INFLUENCE OF SCIENCE

People use science in their daily lives, including when caring for their environment and living things (ACSHE035)

Personal and social capability

Skills

QUESTIONING AND PREDICTING

Pose and respond to questions, and make predictions about familiar objects and events (ACSIS037)

Literacy

Numeracy

Critical and creative thinking

Personal and social capability

PLANNING AND CONDUCTING

Participate in guided investigations to explore and answer questions (ACSIS038)

Literacy

Critical and creative thinking

Personal and social capability

Use informal measurements to collect and record observations, using digital technologies as appropriate (ACSIS039)

PROCESSING AND ANALYSING DATA AND INFORMATION

Use a range of methods to sort information, including drawings and provided tables and through discussion, compare observations with predictions (ACSIS040)

Literacy

Numeracy

Critical and creative thinking

EVALUATING

Compare observations with those of others (ACSIS041)

Literacy

Critical and creative thinking

COMMUNICATING

Represent and communicate observations and ideas in a variety of ways (ACSIS042)

Literacy

Year 2 Achievement Standard

Science Understanding

At Standard, students describe changes to materials and living things, and how a push or a pull affects an object's behaviour. They identify that certain materials and resources have different uses.

Science as a Human Endeavour

Students describe examples of where science is used in people's daily lives.

Science Inquiry Skills

Students pose and respond to questions about their experiences and predict outcomes of investigations. They use informal measurements to make and compare observations. Students record and represent observations and communicate ideas in a variety of ways.

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