

Prep Science

Achievement Standard

By the end of Foundation students group plants and animals based on external features. They identify factors that influence the movement of objects. They describe the observable properties of the materials that make up objects. They identify examples of people using observation and questioning to learn about the natural world.

Students pose questions and make predictions based on their experiences. They engage in investigations and make observations safely. With guidance, they represent observations and identify patterns. With guidance, they compare their observations with their predictions. They share questions, predictions, observations and ideas about their experiences with others.

Assessable Elements

An overall level of achievement in this subject is determined by the teacher's on-balance judgment of the evidence presented in students' summative assessment across the following:

- **Science Understanding**
Biological Sciences, Chemical Sciences, Physical Sciences
- **Science as a Human Endeavour**
Use and influence of science
- **Science Inquiry Skills**
Questioning and Predicting, Planning and Conducting, Processing, Modelling and Analysing, Evaluating, Communicating

Delivery (mode, time requirements, lessons)

Students have access to scheduled lessons each week. Lessons are delivered via the Learning Management System. Students are also expected to undertake independent study to complete tasks and assessment in accordance with the Work Rate Calendar. Course materials can be accessed in QLearn.

Student Requirements

Computer, internet access, email, printer, scanner, headset with microphone, stationery, resource list and SRS list.

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Units and Learning Experiences, Summative Assessment, Criteria Assessed		
Semester 1	Unit 1	Unit 1 Biological Sciences: Observing and Sorting Living Things In this unit, students develop their observation and grouping skills as they explore the observable features of plants and animals. Students will identify and describe animals' observable features. Students will use their knowledge of these features to group a range of animals. Students will investigate the observable features of plants and use these features to sort plants into groups.
		Summative assessment, criteria assessed: <ul style="list-style-type: none"> Identify and describe external features of animals Identify and describe the special features of Australian Animals Sort and group animals based on their external features Describe the observable features of plants Group plants according to their observable features
	Unit 2	Unit 2 Chemical Sciences: What Are Things Made Of? In this unit, students learn that objects can be composed of one or more materials as they observe and manipulate a variety of everyday items, identifying the materials they are made of. The language used to describe the properties of materials is explicitly taught. By using their senses, they sort, and group materials based on observed properties such as cooler, hardness, texture and flexibility. Students gain an appreciation for the different ways First Nations Peoples of Australia combine materials for various purposes.
		Summative assessment, criteria assessed: <ul style="list-style-type: none"> Describes observable properties of the materials that make up objects Recognise that objects can be composed of different materials Describes the observable properties of materials Poses questions and makes predictions based on their experiences With guidance, they compare their observations with their predictions
	Unit 3	Unit 3 Physical Sciences: How Things Move In this unit, students will explore the way objects move, investigating the movement of differently shaped objects, such as blocks, tubes, and eggs, when rolled down a slope. Additionally, they will explore the impact of different materials on an object's movement, and observe traditional toys used by First Nations Australians. Students will also explore how different animals move.
		Summative assessment, criteria assessed: <ul style="list-style-type: none"> Identify factors that influence the movement of objects Describe how objects move and how factors such as their size, shape or material influence their movement

Disclaimer All of the above information is accurate at the time of development.