

## Teacher Program Overview

### Ecosystems and Lifecycles – Year Four

**Program Duration: Full Day**

#### Program Overview:

Aligned with the Australian Curriculum for Year four, in the learning areas of both Science and Humanities and Social Sciences (HASS), students will engage in a full day program of hands-on learning experiences. Students will investigate the life cycles of living things and the importance of the ecosystem for survival. Students will engage in discussions on sustainability of living things, including the environment and human impact, as well as how living things depend on each other to survive. Students will investigate the importance of different environments for the survival of animals and peoples, as well as the custodial responsibilities of the Aboriginal and Torres Strait Islander people and their influence on sustainability and the management of waste. Cultural significance of living things will also be explored and storytelling from the Dreamtime in relation to our animals at Paradise Country.

#### Alignment with the Australian Curriculum:

##### SCIENCE

##### Science Understanding

Biological Sciences	Living things have life cycles (ACSSU072)
	Living things depend on each other and the environment to survive (ACSSU073)
Earth and space sciences	Earth's surface changes over time as a result of natural processes and human activity (ACSSU075)

##### Science as a Human Endeavour

Use and influence of science	Science knowledge helps people to understand the effect of their actions (ACSHE062)
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##### Science Inquiry Skills

Questioning and predicting	With guidance, identify questions in familiar contexts that can be investigated scientifically and make predictions based on prior knowledge (ACIS064)
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##### HUMANITIES AND SOCIAL SCIENCES (HASS)

##### Inquiry and Skills

Questioning	Pose questions to investigate people, events, places and issues (ACHASSI073)
Analysing	Examine information to identify different points of view and distinguish facts from opinions (ACHASSI077)

##### History

Concepts of developing understanding	The diversity of Australia's first peoples and the long and continuous connection of Aboriginal and Torres Strait Islander Peoples to Country/Place (land, sea, waterways and skies) (ACHASSK083)
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##### Geography

Concepts of developing understanding	The importance of environments, including natural vegetation, to animals and people (ACHASSK088)
	The custodial responsibility Aboriginal and Torres Strait Islander Peoples have for Country/Place, and how this influences views about sustainability (ACHASSK089)

##### General Capabilities:

- Critical and Creative Thinking
- Personal and Social Capabilities
- Ethical Understanding
- Intercultural Understanding

##### Cross-Curriculum Priorities:

- Aboriginal and Torres Strait Islander Histories and Cultures
- Sustainability

##### Additional Information:

Students can experience opal and gold mining, as well as koala photos, for an additional charge. These additional experiences would extend the program by approximately 30 minutes, with the program finish time being approximately 2.30pm.

## Teacher Program Schedule Ecosystems and Lifecycles – Year Four

### Time

#### 9.30am **Arrival**

Students and teachers will be collected from the front of Paradise Country and lead to the homestead at the beginning of the day.

#### 9.45am **Sheep Shearing Show**

The sheep shearing show will cover a number of important elements from the biological science curriculum. The shearer will engage the students in exploring the shearing process, including the traditional and modern methods, how the sheep grow and change and how this affects the wool production. Students will uncover the necessary relationships between living things and observable features that differ to that of non-living things. Students will engage and explore sustainability and discuss wools properties and how we use wool for everyday products.

#### 10.15am **Morning Tea with Damper**

Students will be provided with damper for morning tea and discuss the history of damper and how it is prepared

#### 10.35am **Scaly Fun with our Reptile Friends**

This session will have the students investigating and exploring the lifecycles of reptiles and how they compare and contrast with relation to other animals. Students will learn about the biology and conservation of these special creatures as well as have the opportunity to interact with one of our reptile friends. Students will also engage and explore the cultural significance of these reptiles and engage in stories from the Dreamtime. Students will gain knowledge about the importance of the environment to both animals and people for their optimum survival.

#### 11.00am **Wildlife Walkabout**

The wildlife walkabout will allow students to explore and investigate how living things depend on each other and the environment to survive. Students will have the opportunity to interact with the kangaroos, learn about the importance of their conservation through sustainability, their lifecycle and how it compares to other animals at Paradise Country. Students will learn about different animals that have cultural significance to the Aboriginal and Torres Strait Islander people, including the environment, and engage and explore stories from the Dreamtime.

#### 11:30am **Have Fun Milking a Cow**

Students will engage with a demonstration of milking a cow, with exploration of traditional and modern milking methods. Students will also explore how different living things depend on each other within the farming environment. Students will discuss sustainability in relation to the dairy industry and how all these animals all contribute to the farm. Students will also engage in discussions about how the earth's surface changes over time as a result of farming and human activity.

#### 12.00pm **LUNCH**

Students to bring lunch with them to Paradise Country or lunch can be pre-ordered through the venue.

#### 12.30pm **Howl With A Dingo**

Students have the unique opportunity to take part in designing enrichment for our resident dingos. Students will learn about their unique personality traits, natural behaviour, reproduction, special diets, as well as explore the conservation of these amazing predators. Students will explore and engage in discussions about the dingo's cultural significance to the Aboriginal and Torres Strait Islander people and how they are used for hunting and protecting from predators. Students will learn about the importance of the environment for both animals and people, as well as how the custodial responsibilities of the Aboriginal and Torres Strait Islander people influence sustainability.

#### 12.45pm **Kick Back With Sleepy Koalas**

Students will learn interesting facts about the koala's basic needs, including their unique behaviour, the food they eat, the variety of external features and the affects the environment has on the sustainability of these animals. Students will engage and explore the cultural significant of these native animals to the Aboriginal and Torres Strait Islander people and share in the telling of a Dreamtime story.

#### 1.15pm **Farmyard Feeding Frenzy**

In this session students will focus on the biological science that living things have life cycles and depend on each other and the environment to survive. Students will have the opportunity to interact with a number of different baby farm animals, experience feeding time and learn about their needs as they grow. Students will learn about how the animals and environment depend on each other and the importance of different environments for people and animals.

#### 2.00pm **Program Conclusion**

Students will be given the opportunity to ask any last questions and will be provided with their workbooks to take with them.

**OPTIONAL Gold and Gemstone Mining\*** Experience the thrill of mining for gold, and precious gemstones. For a small fee\*, students will learn about a fascinating part of Australian history while having fun.