

Program : Web of Life

General Descriptor of Program: (Year 3 – 7)

The Web of Life simulation game is one of the most popular environmental activities at Birrigai.

The game explores the interrelationships between animals and Australian ecosystems and examines the effect of disturbances as they resonate throughout the whole food chain.

The Web of Life simulation game could be incorporated into a module on environmental education, sustainability, ecology, Australian flora and fauna, native and introduced animals.

Cross-Curriculum Priorities: Sustainability

Sustainability addresses the ongoing capacity of Earth to maintain all life.

OI.1 The biosphere is a dynamic system providing conditions that sustain life on Earth.

OI.2 All life forms, including human life, are connected through ecosystems on which they depend for their wellbeing and survival.

OI. 6 The sustainability of ecological, social and economic systems is achieved through informed individual and community action that values local and global equity and fairness across generations into the future.

OI.7 Actions for a more sustainable future reflect values of care, respect and responsibility, and require us to explore and understand environments.

OI.9 Sustainable futures result from actions designed to preserve and/or restore the quality and uniqueness of environments.

General Capabilities

- Literacy
- Numeracy
- Information and communication technology (ICT) competence
- Critical and creative thinking
- Ethical behaviour**
- Personal and social competence**
- Intercultural understanding

Cross-Curriculum Priorities

- Aboriginal and Torres Strait Islander histories and cultures
- Asia and Australia's engagement with Asia
- Sustainability**

Years targeted	Australian Curriculum links - Science		
	Science Understanding	Science as a Human Endeavour	Science Enquiry Skills
Year 3	Living things can be grouped on the basis of observable features and can be distinguished from non-living things (ACSSU044)	Science knowledge helps people understand the effect of their action (ACSHE051)	Compare results with predictions suggesting possible reasons for findings (ACSIS215)
Year 4	Living things including plants and animals depend on each other and the environment to survive (ACSSU073)	<p>Science involves making predictions and describing patterns and relationships (ACSHE061)</p> <p>Science knowledge helps people to understand the effect of their actions (ACSHE062)</p>	Compare results with predictions suggesting possible reasons for findings (ACSIS216)
Year 5	Living things have structural features and adaptations that help them to survive in their environment (ACSSU043)		Compare data with predictions and use as evidence in developing explanations (ACSIS218)
Year 6	The growth and survival of living things are affected by the physical conditions of their environment(ACSSU094)		

Year 7	Interactions between organisms can be described in terms of food chains and food webs; human activity can affect these interactions (ACSSU112)		
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