

Wild State Australian Curriculum Links Science 8

The following Australian Curriculum links have been identified for Year 8 school audiences:

Content Description	Wild State Elaboration/s
<p>Science as a Human Endeavour Nature and development of science</p> <p>Scientific knowledge has changed peoples' understanding of the world and is refined as new evidence becomes available. (ACSHE134)</p>	<p>Examine the role of scientists working within Queensland Museum in discovering new species and understanding the complexity of life to ensure proper economic, ecological, political and social decisions are made about Queensland's unique animals and their habitats.</p>
<p>Science as a Human Endeavour Nature and development of science</p> <p>Science knowledge can develop through collaboration across the disciplines of science and the contributions of people from a range of cultures. (ACSHE226)</p>	<p>Identify the contributions of Queensland Museum scientists to the identification and classification of new organisms.</p> <p>Investigate how land management practices of Aboriginal peoples can help inform sustainable management of the environment.</p>
<p>Science as a Human Endeavour Use and influence of science</p> <p>Solutions to contemporary issues that are found using science and technology, may impact on other areas of society and may involve ethical considerations. (ACSHE135)</p>	<p>Consider how science & technologies has contributed to finding solutions for conservation issues, maintenance of ecosystems and natural resource management.</p> <p>Investigate how human activity, including the use and management of farming systems, can have positive and negative effects on societal processes and the sustainability of ecosystems.</p>

Wild State Australian Curriculum Links

Science 8

Science as a Human Endeavour **Use and influence of science**

People use science understanding and skills in their occupations and these have influenced the development of practices in areas of human activity.

[\(ACSHE136\)](#)

Investigating how advances in science and technology have been applied to the reduction of pollution, treatment of oil spills and control of feral animal populations.

Investigate how Aboriginal knowledges are being used to inform scientific decisions, including land management practices and care of waterways.

Consider how the consequences of climatic changes have affected practice across a variety of industrial sectors, including agriculture and forest management.

Science Inquiry Skills

Communicating

Communicate ideas, findings and evidence based solutions to problems using scientific language, and representations, using digital technologies as appropriate.

[\(AC SIS148\)](#)

Discuss questions and share ideas about specimens, visual images and videos about the fauna of Australia.

Recognise how Queensland Museum's collections can communicate science and document material evidence of Queensland's unique flora, fauna and landscape.

Understand the value of using appropriate language and representations in the exhibition to communicate scientific ideas within a specified text type and for a specified audience.

How scientists working at the Queensland Museum communicate their investigations using technologies such as x-rays, CT scans, molecular fingerprints and distribution maps.

Wild State General Capabilities and Cross-Curriculum Priorities Links

Science 8

General Capabilities and Cross Curriculum Priorities

General Capabilities



Critical and creative thinking

- Inquiring – Identifying, exploring and organising information and ideas
- Generating ideas, possibilities and actions
- Reflecting on thinking and processes, analysing, synthesising and evaluation, reasoning and procedures



Personal and social capability

- Self-awareness
- Self-management
- Social awareness
- Social management



Ethical behaviour

- Understanding ethical concepts and issues
- Reasoning in decision making and actions
- Adopting values, rights and responsibilities



Intercultural understanding

- Recognising culture and developing respect for diversity
- Interacting and empathising with others
- Reflecting on intercultural experiences and taking responsibility



Literacy

- Comprehending texts through listening, reading and viewing
- Text knowledge
- Grammar knowledge
- Word knowledge
- Visual knowledge

Cross-Curriculum Priorities



Sustainability

- Consider the strong links between environment and survival of living things
- Human actions can play a vital part of meeting the needs of living things in man-made environments
- Suggest actions that can be taken to improve sustainable practices and support the provision of the basic needs of living things