



The Hunger Games – Year Nine Program Overview & Schedule

Program Duration: 45 minutes

Minimum Participants: 10 students

Maximum Participants: 100 students

Location: Shark Bay

Program Overview:

Aligning with the Biological Sciences strand of the Australian Curriculum for Science, this program builds on the foundation of understanding the interactions and interdependence between marine animals and the abiotic components of their environment. By constructing a marine food web, students will consolidate their knowledge of specific roles and relationships and recognise how energy circulates through an ecosystem and must be replaced to maintain the sustainability of the system. Students will investigate the various natural and anthropogenic factors that affect population sizes, such as seasonal and long-term climate change, habitat destruction, introduced species and disease, by considering the challenges sea turtles face in the ocean. Students will discover some human initiatives for protecting marine life including turtle exclusion devices (TEDs) and marine protected zones and will devise other actions that can be applied to conserve ecosystems.

Program Schedule:

Time

9:15am Arrival

The school will arrive promptly at 9:15am and will be met by a Marine Education Officer on the lawn next to the flagpoles out the front of Sea World.

9:20am Park Entry

The Marine Education Officer will lead the school group through the admissions gate to Shark Bay for the education program

9:30am Education Program

This program is approximately 45 minutes and will finish by 10:30am at the latest. Please note: selection of this program will prevent the school group from seeing the morning *Seal Guardians Presentation*.

10:30am Program Conclusion

At the conclusion of this session, students will be free to enjoy the park for the rest of the day, at the discretion of school staff.

The Hunger Games – Year Nine Program Mapping

Alignment with the Australian Curriculum:

SCIENCE

Science Understanding

Biological Sciences	Ecosystems consist of communities of interdependent organisms and abiotic components of the environment; matter and energy flow through these systems (ACSSU176)
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Science as a Human Endeavour

Use and Influence of Science	People use scientific knowledge to evaluate whether they accept claims, explanations or predictions, and advances in science can affect people's lives, including generating new career opportunities (ACSHE160)
	Values and needs of contemporary society can influence the focus of scientific research (ACSHE228)

TECHNOLOGIES

Knowledge and Understanding

Design and Technologies	Critically analyse factors, including social, ethical and sustainability considerations, that impact on designed solutions for global preferred futures and the complex design and production processes involved (ACTDEK040)
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General Capabilities:

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

Cross-Curriculum Priorities:

- Sustainability