



Teacher Program Overview

Let's Get Sorted – Year Seven

Program Duration: 45 minutes

Minimum Participants: 10 students

Maximum Participants: 60 students

Program Overview:

In this program, Year Seven students will be introduced to the diversity of life in the ocean to assist them in developing their knowledge and understanding of classification. Students will be engaged in learning that is centred on the biological sciences strand of the Australian Curriculum for Science. Through observations of the range of amazing animals in Sea World's Shark Bay, students will discover why classification is helpful for organising the diverse group of organisms existing in the oceans. This inquiry-based program guides students to learn how to classify and identify organisms based on similarities and differences of body features through use of a simple classification key. Students will be introduced to the current hierarchical system for classifying organisms and the scientific conventions for naming species. Through reflection, students will relate how classification of organisms is linked to conservation of species and how we can act sustainably to reduce negative human impacts on biodiversity.

Alignment with the Australian Curriculum:

SCIENCE

Science Understanding

Biological Sciences	Classification helps organise the diverse group of organisms (ACSSU111)
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Science as a Human Endeavour

Nature and development of science	Scientific knowledge has changed peoples' understanding of the world and is refined as new evidence becomes available (ACSHE119)
	Science knowledge can develop through collaboration across the disciplines of science and the contributions of people from a range of cultures (ACSHE223)

General Capabilities:

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

Cross-Curriculum Priorities:

- Sustainability

Additional Information:

Web Resources:

http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/life_processes/activity/
<http://www.environment.gov.au/apps/coasts/discovery/underwater-world/index.html>
http://www.pbslearningmedia.org/asset/lsp07_int_animalclass/
<http://www.layers-of-learning.com/dichotomous-key/>



Teacher Program Schedule Let's Get Sorted – Year Seven

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 *Fish Detectives Sea Lion Show*.

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 teacher's discretion.



Education Program Overview

The Hunger Games – Year Seven

Program Duration: 45 minutes

Minimum Participants: 10 students

Maximum Participants: 100 students

Program Overview:

Year Seven students will observe the inhabitants of Shark Bay to determine their interconnectedness with each other and their environment and how humans are interlinked to all life in marine ecosystems. This program aligns with the Australian Curriculum through the biological sciences strand of Science and the design and technologies strand of Technologies. Students will construct food chains and food webs, and identify the roles and relationships of animals within these food webs, to demonstrate how living things interact with each other and their environment. The role of humans in marine food webs will be explored as students consider how marine animals are utilised by people for food and that there are differing views on how to sustainably manage fisheries. Students will discover some positive human innovations to fisheries such as marine protected zones and turtle exclusion devices (TEDs) as a result of social, ethical and sustainability considerations. Finally, students will discuss how their personal activities may affect marine ecosystems and what actions they can take to live more sustainably.

Alignment with the Australian Curriculum:

SCIENCE

Science Understanding

Biological Sciences	Interactions between organisms, including the effects of human activities can be represented by food chains and food webs (ACSSU112)
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Science as a Human Endeavour

Nature and development of science	Scientific knowledge has changed peoples’ understanding of the world and is refined as new evidence becomes available (ACSHE119)
Use and Influence of Science	Solutions to contemporary issues that are found using science and technology, may impact on other areas of society and may involve ethical considerations (ACSHE120)
	People use science understanding and skills in their occupations and these have influenced the development of practices in areas of human activity (ACSHE121)

TECHNOLOGIES

Knowledge and Understanding

Design and Technologies	Investigate the ways in which products, services and environments evolve locally, regionally and globally and how competing factors including social, ethical and sustainability considerations are prioritised in the development of technologies and designed solutions for preferred futures (ACTDEK029)
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General Capabilities:

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

Cross-Curriculum Priorities:

- Sustainability

Additional Information:

<http://education.nationalgeographic.com.au/activity/marine-food-webs/>



Education Program Schedule The Hunger Games – Year Seven

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 *Fish Detectives Sea Lion Show*.

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 teacher's discretion.



Teacher Program Overview and Schedule

Environmental Issues

Year Level: All

Program Duration: 45 minutes

Min. Participants: 10 students

Max. Participants: 100 students

Program Overview:

Set in the underwater viewing gallery of Shark Bay, this program introduces students to the numerous ways humans are interconnected to the oceans and their inhabitants. Students of all year levels will engage in inquiry-based learning activities to discover how fishing activity, shark nets, marine debris and pollution are all contributing to loss of biodiversity and what actions can be taken personally and collectively to live sustainably and reduce our ecological footprint.

Additional Information:

**Program is not curriculum aligned*

Program Schedule

Time	
9.15am	Arrival
	Meet Marine Education Officer on lawn next to flagpoles out front of Sea World
9.20am	Park entry and transfer to Shark Bay
9.30am	Education Program
	Please note: selection of this program will prevent school from seeing morning Fish Detectives Sea Lion Show
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 teacher's digression.



Teacher Program Overview and Schedule

Getting Smart About Sharks

Year Level: All

Program Duration: 45 minutes

Min. Participants: 10 students

Max. Participants: 100 students

Program Overview:

During this interactive program, students of all ages will learn about the amazing biology and ecology of sharks. Students will discover the variety of marine habitats where sharks live, what roles they occupy in their habitats and how they are equipped to survive in their environment. Specific adaptations covered will address how sharks move, hunt, protect themselves, rest and breathe. Students will consider how some human activities are threatening the survival of sharks and will discuss actions that can be taken individually and globally to help with conservation of these animals.

Additional Information:

**Program is not curriculum aligned*

Program Schedule

Time	
9.15am	Arrival
	Meet Marine Education Officer on lawn next to flagpoles out front of Sea World
9.20am	Park entry and transfer to Shark Bay
9.30am	Education Program
	Please note: selection of this program will prevent school from seeing morning Fish Detectives Sea Lion Show
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 teacher's digression.



Teacher Program Overview and Schedule In Depth With Dolphins

Year Level: All

Program Duration: 45 minutes

Min. Participants: 10 students

Max. Participants: n/a

Program Overview:

During this interactive program, students of all ages will learn about the amazing biology and ecology of sharks. Students will discover the variety of marine habitats where sharks live, what roles they occupy in their habitats and how they are equipped to survive in their environment. Specific adaptations covered will address how sharks move, hunt, protect themselves, rest and breathe. Students will consider how some human activities are threatening the survival of sharks and will discuss actions that can be taken individually and globally to help with conservation of these animals.

Additional Information:

**Program is not curriculum aligned*

Program Schedule

Time	
10.30am	Arrival Advised latest entry time to park
11.00am	Affinity Dolphin Show Group to arrive at Dolphin Beach for 11:15am Affinity Dolphin Show
11.35am	Education Program Please note: selection of this program will prevent school from seeing morning Fish Detectives Sea Lion Show
12.20pm	Program Conclusion At the conclusion of this session, students will be free to enjoy the park for the rest of the day, at the teacher's digression.



Teacher Program Overview and Schedule

Paws, Claws and Roars

Year Level: All

Program Duration: 45 minutes

Min. Participants: 10 students

Max. Participants: 35 students

Program Overview:

This interactive program provides a broad overview of Polar bear biology and ecology for students of all ages. Students will learn where Polar Bears live, what role they occupy in their habitat and how they are equipped to survive in their environment. Specific adaptations covered will address how Polar bears move, hunt, protect themselves and maintain body temperature. Students will consider how some human activities are threatening Polar bears' survival and will discuss actions that can be taken individually and globally to help with conservation of this species.

Additional Information:

**Program is not curriculum aligned*

Program Schedule

Time	
9.15am	Arrival
	Meet Marine Education Officer on lawn next to flagpoles out front of Sea World
9.20am	Park entry and transfer to Polar Bear Shores
9.30am	Education Program
	Please note: selection of this program will prevent school from seeing morning Fish Detectives Sea Lion Show
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 teacher's digression.



Education Program Overview and Schedule

The Real Deal With Seals

Year Level: All

Program Duration: 45 minutes

Min. Participants: 10 students

Max. Participants: n/a

Program Overview:

During this interactive program, students of all ages will learn about the fascinating biology and ecology of seals. Students will discover the variety of marine habitats where seals live, what roles they occupy in their habitats and how they are equipped to survive in their environment. Specific adaptations covered will address how seals move, hunt, protect themselves, rest, breathe and maintain body temperature. When available, a marine mammal trainer will deliver a short talk about training and animal care usually involving a brief training session with a seal. Students will consider how some human activities are threatening the survival of seals and will discuss actions that can be taken individually and globally to help with conservation of these animals.

Additional Information:

**Program is not curriculum aligned*

Program Schedule

Time	
9.45am	Arrival Advised latest entry time to park
10.00am	<i>Fish Detectives Sea Lion Show</i> Group to arrive at the Sea Lion Theatre for 10:15am <i>Fish Detectives Sea Lion Show</i>
10.35am	Education Program Please note: selection of this program will prevent school from seeing morning <i>Affinity Dolphin Show</i>
11.20pm	Program Conclusion At the conclusion of this session, students will be free to enjoy the park for the rest of the day, at the teacher's digression.