



Teacher Program Overview

Antarctic Adventure – Year Five

Program Duration: 45 minutes

Minimum Participants: 5 students

Maximum Participants: 140 students*

Program Overview:

During this program, students will observe two species of Antarctic penguins to learn how animals' bodies are equipped to suit the conditions of their environment. This program aligns with the biological sciences strand of the Australian Curriculum for Science. Students will view Sea World's Penguin Encounter exhibit and theorise what life is like for the animals of Antarctica and sub-Antarctic regions. Through observations and interactive activities, students will explore how living organisms, with a focus on King and Gentoo penguins, have structural features and adaptations that help them to survive in their environment. The present uses of Antarctica by humans, both positive and negative, will be discussed and students will learn about the historical contributions of numerous countries towards managing the Antarctic environment. Students are encouraged to pose questions and use critical thinking to form solutions to the problems being faced by Antarctic animals and how we can minimise human impacts through sustainable practices and advances in scientific developments.

Alignment with the Australian Curriculum:

SCIENCE

Science Understanding

Biological Sciences	Living things have structural features and adaptations that help them to survive in their environment (ACSSU043)
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Science as a Human Endeavour

Nature and development of science	Science involves testing predictions by gathering data and using evidence to develop explanations of events and phenomena and reflects historical and cultural contributions (ACSHE081)
Use and Influence of Science	Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE083)

General Capabilities:

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

Cross-Curriculum Priorities:

- Sustainability

Additional Information:

* For groups of over 40 students, early entry is required in order to use the whole exhibit prior to the park's operational hours. For groups of 40 or fewer students, this program will be delivered in the upstairs viewing area of Penguin Encounter and does not require early entry.



Teacher Program Schedule

Antarctic Adventure – Year Five

GROUPS OF 40 STUDENTS OR LESS

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 Penguin Encounter 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.

GROUPS OVER 40 STUDENTS

Time

8.30am Arrival and Park Entry

The school will arrive promptly at 8:30am and will be met by a Marine Education Officer on the lawn next to the flagpoles out the front of Sea World.

8.35am Park Entry

The Marine Education Officer will lead the school group through the admissions gate to Penguin Encounter for the education program.

8.45am Education Program

This program is approximately 45 minutes, and will finish by 9:30am at the latest.

9.30am 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

Ever Changing Environments – Year Five

Program Duration: 45 minutes

Minimum Participants: 10 students

Maximum Participants: 35 students

Program Overview:

This program will introduce students to the global issue of climate change with a focus on how it is impacting the survival of Polar bears. *Ever Changing Environments* aligns with the Australian Curriculum through all strands of Science, and the geography, economics and business strands of Humanities and Social Sciences. Students will develop an understanding of climate change through a holistic explanation encompassing all fields of science. The involvement of the sun's light and heat energy; the various land surfaces that absorb, reflect and reradiate that energy; and the unique properties of atmospheric gases will be discussed in relation to the greenhouse effect that is necessary for life on Earth. Students will consider how human activities are enhancing the greenhouse effect, and are contributing to the current period of global warming. This will be related back to Polar bears and how, despite specialised adaptations, their survival is threatened by climate change. Students will contemplate the difference between needs and wants and what choices we can make to better manage limited resources as a means of minimising our negative impact on climate change, Polar bears and their environment.

Alignment with the Australian Curriculum:

SCIENCE

Science Understanding

Biological Sciences	Living things have structural features and adaptations that help them to survive in their environment (ACSSU043)
Chemical Sciences	Solids, liquids and gases have different observable properties and behave in different ways (ACSSU077)
Earth and Space Sciences	The Earth is part of a system of planets orbiting around a star (the sun) (ACSSU078)
Physical Sciences	Light from a source forms shadows and can be absorbed, reflected and refracted (ACSSU080)

Science as a Human Endeavour

Use and Influence of Science	Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE083)
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HUMANITIES AND SOCIAL SCIENCES

Inquiry and Skills

Evaluating and Reflecting	Reflect on learning to propose personal and/or collective action in response to an issue or challenge, and predict the probable effects (ACHASSI104)
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Knowledge and Understanding

Geography	The influence of people on the environmental characteristics of places in Europe and North America and the location of their major countries in relation to Australia (ACHASSK111)
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Teacher Program Overview

Ever Changing Environments – Year Five

Economics and Business	The difference between needs and wants and why choices need to be made about how limited resources are used (ACHASSK119)
	Types of resources (natural, human, capital) and the ways societies use them to satisfy the needs and wants of present and future generations (ACHASSK120)
General Capabilities: <ul style="list-style-type: none"> • Literacy • Critical and Creative Thinking • Personal and Social Capabilities • Ethical Understanding 	Cross-Curriculum Priorities: <ul style="list-style-type: none"> • Sustainability



Teacher Program Schedule Ever Changing Environments – Year Five

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 Polar Bear Shores 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.



Teacher 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.