

Porci's Ocean Patrol Activity Sheet



Series 1: Episode 2 – Notes for Educators

Introduction

Welcome to Series 1: Episode 2 of Porci's Ocean Patrol (POP), a short, beautifully animated video that educates Reception to Year 4 students about the 'Great Southern Reef'.

Porci's Ocean Patrol is a Marine Discovery Centre project and can be accessed on YouTube and the Marine Discovery Centre website:

<https://www.marinediscoverycentre.com.au/porci-s-ocean-patrol>

These notes for educators are designed to provide an outline of what young viewers can expect to see and discover when they view Episode 2. The notes also provide educators with key Episode 2 information to assist with student learning.

General introductory information relating to Porci's Ocean Patrol, and the presenters who appear in the videos, can be found on the Marine Discovery Centre website.

Let's get started!

Series 1: Episode 2 (Run time – 7 minutes and 2 seconds)

Episode 2 begins with a short, general introduction for students to the 'Great Southern Reef', located off the coast of South Australia, and to the creatures that exist from the surface to the bottom of the ocean.

This episode (as with all future episodes) has three major themes:

THEMES	EPISODE 1 TOPICS	RUN TIMES
1. Information about sea creatures that live in our oceans	Giant Australian Cuttlefish	0:35 to 2:02 minutes
2. Aboriginal culture	Fire	2:02 to 4:17 minutes
3. Tips for keeping the ocean healthy, that everyone can do.	Plastic Pollution	4:17 to 5:46 minutes

'Ocean Patrollers' (students) are also invited to send their questions into Porci.

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Question 1 (35 seconds into the episode)

Ocean Patroller, asks the first question:

“Where can you find the biggest cuttlefish in the world?”

Porci explains that the largest cuttlefish in the world is found right here in the southern waters of Australia. He explains that they have some cool features such as, 8 arms and 2 feeding tentacles, they are not a type of fish but instead belong to the cephalopod crew similar to octopus and squid. Cuttlefish can change their colour and texture of their skin as well as having 3 hearts and blue blood.

Porci tells the students that between the months of May and August thousands of cuttlefish gather near Whyalla for the largest mating event in the world, encouraging students to see them whilst reminding them that the Giant Australian Cuttlefish is a protected species.

Question 2 (2 minutes and 19 seconds into the episode)

Ocean Patroller, Lily, asks Karno the second question:

“How did you make fire so long ago when there were no lighters or matches?”

Karno explains that back in the day they did not have lighters or matches and instead used materials they found such as flint and their firesticks also known as Kardla Kuru.

Students learn how fire can be started with these materials. Karno demonstrates with 2 sticks, the larger one is notched for the second stick to go into, spinning it super-fast between the palm of his hands causing friction.

Karno explains that the friction will heat things up and create an ember just like a tiny fire starter.

The students then learn some of the practices that fire was used for, such as to cook, tell stories, keep warm, to use in ceremonies and medicines.

Question 3 (4 minutes and 17 seconds into the episode)

Ocean Patroller, Stephan asks Georgie the third question:

“How much rubbish ends up in our oceans each year?”

Georgie explains to students that a huge 12 million tonnes of plastic enters our oceans every year. 80% of this rubbish comes from everyday use items here on land, explaining to children that the rubbish can travel down drains and rivers. With the remaining 20% coming from things like fishing and shipping.

Georgie states that it is not just large pieces of plastic that can be harmful to marine and other animals but also the tiny pieces can cause harm to many of these animals such as birds, turtles, whales, and dolphins.

Georgie offers a solution to the students, saying that everyone can help by saying no to single use plastics and use eco-friendly and reusable alternatives as well as picking up litter whenever it is seen.

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POP Quiz Questions

Following the answers to the three Ocean Patrollers' questions, there are two quick multiple choice POP quiz questions for students. Below are the questions and answers:

1. How many hearts does a Giant Cuttlefish have?
 - A. 3
 - B. 13
 - C. 33
 - D. 0
2. What should you do when you see litter on the beach?
 - A. Leave it
 - B. Play with it
 - C. Pick it up, put it in correct bin

Asking Questions

Student Ocean Patrollers are invited to ask Porci their questions for Porci, Georgie and Karno to answer. Submit any student questions using the following link:

<https://www.marinediscoverycentre.com.au/porci-s-ocean-patrol/ask-porci>

Facts for Students

A fact sheet for students has also been developed, and provided in PDF format, as a support document for 'Porci's Ocean Patrol' – Series 1, Episode 2.

Some of the facts that appear in Episode 2 form part of the 'Facts for Students' sheet and the following two websites are also referenced for additional facts:

1. **Plastic pollution** – The 'National Plastics Plan Summary' section of the Australian Government 'Department of Climate Change, Energy, the Environment and Water' website:
<https://www.dcceew.gov.au/environment/protection/waste/publications/national-plastics-plan-summary>
2. **Everything you need to know about the Giant Australian Cuttlefish** – the 'Australian Museum' website:
<https://australian.museum/learn/animals/fishes/giant-cuttlefish/>

Activity Sheets

A range of activity sheets have been developed to complement the video and student facts. These cover Foundation to Year 4 learning levels (with many providing two levels of difficulty) and focus on the English, HaSS and Science learning areas.