

Porci's Ocean Patrol Activity Sheet



Series 1: Episode 5 – Notes for Educators

Introduction

Welcome to Series 1: Episode 5 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 provide an outline of what young viewers can expect to see and discover when they view Episode 5. They also include key Episode 5 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 5 (Run time – 8 minutes 48 seconds)

Episode 5 begins with a short, general introduction 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 5 TOPICS	RUN TIMES
1. Information about the sea creatures living in the ocean.	Hooded Plover	0:40 to 2:30 minutes
2. About the culture of the Kurna people from the Adelaide Plains area.	Sea Country – Kurna Words	2:31 to 5:37 minutes
3. Tips for keeping the ocean healthy that everyone can do.	Food Scraps	5:38 to 7:32 minutes

Question 1 (40 seconds into the episode)

Ocean Patroller, Anders, asks the first question:

"Why are there signs and fences on the beach for Hooded Plovers?"

Porci explains that the Hooded Plovers can be nicknamed as "Hoodies", and they are a bird that lives on the beach and are a shy and endangered bird. Porci states that the baby chicks are the size of a 50c piece, which can leave them exposed, especially during their breeding season.

Porci's Ocean Patrol Activity Sheet



Porci explains how the Hooded Plovers lay their eggs in the dry sand at the base of the sand dunes as this helps the eggs blend in and hide from their predators such as foxes and bigger birds. Although because of where they lay their eggs, this means that dogs and humans can't see them and may accidentally disturb or crush their eggs.

Porci tells us that it is important that the chicks feel safe, as if they spend too much time hiding, they will not be able to find enough food to survive. To help the Hooded Plovers out, there are signs and fences on the beach. Porci also lets us know how we can help by, keeping dogs on a leash, stay away from their area and give them some space to raise their chicks!

Question 2 (2 minutes and 30 seconds into the episode)

Ocean Patroller, Ivy, asks Porci and Karno the second question:

"Can you please teach me some Kaurna words about Sea Country?"

Karno goes through a list of many Sea Country words in Kaurna with Porci and what their English translation is.

- Nakudla means Shark in Kaurna. Sharks are like the guardians of our seas.
- Tarnipaiya is Crab. You might see these guys scuttling around the shores.
- Duddley Moodlah, that's Pufferfish. They might look cute, but those spines can pack a punch.
- Magil-yaro is Seadragon. They're like underwater dragons cruising through the ocean.
- Pando yerlo means Seagrass. It's like the lush carpet of the sea, where lots of sea creatures like to call home.
- Kuya means Fish. We've got so many different kinds swimming around.
- Marilanna, that's a Mullet. They're like the speedsters of the ocean, zipping all around.
- Kawarpa is a native Water Rat. They're the furry swimmers of the waterways.
- Narkirra, is a Platypus. They're like little marvels of nature.
- Maku means Cloud. Sometimes the sea meets the sky in the form of clouds.
- Ngayirda means Sky. It's like a big, open ocean above us.
- Wirltu is the Southern Cross, a constellation that guides us.
- Tirntu is the Sun. The big golden orb that brings light to our Sea Country.
- Kauwi is Water. The lifeblood of our Sea Country.

Question 3 (5 minutes and 38 seconds into the episode)

Ocean Patroller, Millie, asks Porci and Georgie the third question:

"What's the best thing to do with food scraps?"

Georgie provides the scoop on all things compost. She explains that veggie leftovers can be placed in the green lidded bin. She explains how if you have a think "was this once a living thing or has it grown" then it can go into the green bin for kerb side collection. Georgie explains how you can put everything from garden waster to kitchen leftovers. Weeds, leaves, nail clippings, hair and even greasy pizza boxes can go in the green bin!

Porci's Ocean Patrol Activity Sheet



Georgie explains how once collected, the scraps get composted and break down in about 8-10 weeks, they are then cleaned up so this compost can be used to grow food on our farms.

Georgie then explains how you can DIY your own compost or worm farm, tossing all your scraps in and letting nature do its dance and voilà – you get a nutrient-rich fertiliser for your garden. Georgie adds in how eggshells and lawn clippings are compost treasures and can even be used as mulch in your garden.

POP Quiz Questions

The episode concludes with two multiple choice POP quiz questions for students (answers in red):

1. How big are the Hooded Plover chicks?

- A. **Size of 50c coin**
- B. Size of an egg
- C. Size of a beach ball

2. What bin lid colour is for food scraps?

- A. Pink
- B. **Green**
- C. Blue
- D. Yellow

Asking Questions

Student Ocean Patrollers are invited to ask Porci questions. 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' – Series1, Episode 5.

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.