



Department of
Primary Industries and
Regional Development

FISHERIES EDUCATION 2020 SOUTH COAST PROGRAM

Learn... discover... experience!

The Department of Primary Industries and Regional Development's Fisheries Education program on the South Coast offers a range of incursions and classroom loan kits focused around the sustainability of the aquatic environment.

These hands-on learning programs are based on current scientific research and are linked to learning areas within the Western Australian Curriculum. They also address the Sustainability cross-curriculum priority.

The South Coast Fisheries Education programs are delivered to schools from Walpole to Esperance by our Albany-based Community Education Officers.

INCURSIONS

All activities are free of charge and have a maximum of 30 students per session (minimum 10). Activities run for one hour, unless otherwise specified.

FISHING FOR SUSTAINABILITY (Years 3 – 8)



This interactive session gives students an overview of how our fisheries are managed. Students will try their hand at our fishing game to observe the effects of fishing pressure on fish stocks and how management and science play an important role in sustainably managing them. They will also learn to identify commonly caught local species, how to correctly measure fish and discover why fishing regulations such as bag and size limits ensure we have fish for the future.

NEW! THE GREAT SALMON MIGRATION (Years 3 – 8)



Hear the story about the annual migration of the iconic south coast species, the West Australian salmon. Students will follow the journey of the salmon with a storyboard, and will learn about their structural adaptations that enable them to travel such long distances. They will then have an inside look with a fish dissection demonstration.



MAKE THIS CATCH LEGAL (Years 9 - 12)



How well do you know the fishing rules? Students will learn about the various recreational fishing rules in Western Australia and how these tools are used to sustainably manage our aquatic natural resources. They will then apply this knowledge in a hands-on activity to 'make this catch legal', using examples of local fish species.

Teacher Guides are supplied for each incursion, outlining Western Australian Curriculum links, objectives, background information and further resources.

WA Curriculum

Sc Science

E English

M Mathematics

HASS Humanities and Social Studies

Senior Secondary

BLY Biology

EES Earth and Environmental Science

GEO Geography

ISC Integrated Science

MMS Maritime and Marine Studies

FISHY FEATURES (Years 5 – 12)



From seagrass meadows to rocky reefs and open ocean, students will learn about different marine habitats and ecological suites, and the range of adaptations that fish have to survive within them. Using real fish, students will identify a variety of adaptations and then use this knowledge to determine which habitat each fish lives in.



SUSTAINABLE SEAFOOD (Years 9 – 12)



Through an engaging presentation, students will learn how the Department sustainably manages the recreational fishing, commercial fishing and aquaculture sectors in Western Australia. This presentation can be tailored to focus on different topics, for example career opportunities, aquaculture or citizen science.

FISH OF AGES (Years 7 – 12)



The south coast is home to some of Western Australia's oldest fish! Students will learn through a fish dissection demonstration, how and why fisheries scientists age fish. They will then use microscopes to determine the age of some fish samples.

OPTIONAL (Year 9-12) – Students can record their data and graph the results.



RESOURCES

Curriculum-linked lessons and educational resources including fact sheets, posters and presentations about the sustainable use of the aquatic environment are available online from the Marine Waters website.

<http://marinewaters.fish.wa.gov.au>

CLASSROOM LOAN KITS

Loan kits are available at no charge on a one week loan basis. Kits must be booked at least one week prior to pick up.

Lesson Plans are supplied with each loan kit, outlining Western Australian Curriculum links, objectives, background information, procedures and additional resources.

BRINGING THE BEACH TO YOU (Years 3 – 12)

Teach your students about classification and adaptations in a fun, hands-on way. The kit contains a collection of dry specimens found along local beaches, identification guides, and a beachcombing PowerPoint presentation.



THE PLANKTON CHALLENGE (Years 3 – 12)

A fun and educational challenge for the classroom – teach your students about the world of plankton and their adaptations. The kit contains a plankton PowerPoint presentation and materials to build your own plankton models.

UN-FANTASTIC PLASTIC (Years 3 – 12)

Take a closer look at marine debris on your next visit to the beach. Identify different types of debris using field identification guides, work out where it may have come from, and learn about the far reaching impacts plastic waste has on the marine environment. The kit contains beach clean-up bags, gloves, clipboards and data collection sheets.

HOW TO MAKE A BOOKING

Ask our Community Education Officers for suggestions on how to put a marine-based teaching-learning program together which meets your curriculum needs.

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