

# Reef Transect

## Phase of learning

Senior Secondary (Years 11-12)

## WA Curriculum

SS Biology – ATAR, SS Biology – General, SS Integrated Science – ATAR, SS Integrated Science – General, SS Marine and Maritime Studies – ATAR, SS Marine and Maritime Studies – General

## Region

West Coast

## Learning Summary

This collection of resources is for those who have booked an excursion with our Hillarys facility to complete a reef transect activity, or for those who would like to conduct a reef transect themselves.

The resources provided have been developed for conducting a study on a limestone reef platform, however could be adapted to use in any shallow intertidal zone.

## Outcomes

- Students will identify organisms inhabiting a limestone reef platform.
- Students will be able to describe adaptations of intertidal organisms.
- Students will conduct a transect along a limestone reef platform.
- Students will be able to describe the change in species and composition from the upper intertidal zone to the lower intertidal zone.

## Booking your excursion:

- Hillarys school excursion: [Reef transect](#)
- [Book an excursion](#)
- Teacher Resource Sheet: [Excursion management plan – Hillarys](#)

## Pre-excursion:

- Teacher Guide: [Reef transect](#)
- Teacher Resource Sheet: [Preparing for your reef transect](#)
- Fact Sheet: [Intertidal rocky shores](#)

- Presentation: [The intertidal zone – a reef platform](#)
- Video: [The fascinating history behind Mettams Pool](#)
- Department of Transport: [Tide predictions](#)

## Conducting a reef transect

(Note: if you are attending this excursion with our Hillarys facility, all resources required, excluding pre- and post- excursion resources will be provided).

- Hillarys school excursion: [Reef transect](#)
- Student Worksheet: [Features along the reef platform](#)
- Student Worksheet: [Species composition](#) (this worksheet is suitable for any location and intertidal habitat)
- Student Worksheet: [Reef transect – species record sheet](#) (this worksheet is specific to the West coast bioregion of Western Australia)

## Post-excursion:

- Student worksheet: [Comparing quadrats](#)
- Teacher resource sheet: [Comparing quadrats](#)



### **Related resources**

[Hillarys School Excursion: Reef Transect](#)

### **Keywords**

reef transect, fieldwork, field study, intertidal zone, reef platform, limestone reef,