



## Hillarys School Excursion: Fish Dissection - Senior Secondary

### Phase of learning

Senior Secondary (Years 11-12)

### WA Curriculum

SS Biology – ATAR, SS Biology – General

### Region

West Coast

### Summary

Learn why fisheries scientists dissect fish and how extracting the ear bones of bony fish provides information that is used to assess the health of fish stocks.

Students will carry out their own dissection, examining both the internal and external features of their fish.

The Department of Primary Industries and Regional Development is responsible for the sustainable management of Western Australia's fisheries, to ensure that we have fish for the future.

In this activity, students learn how fish dissections provide valuable research information that contributes to making informed management decisions.

Note: This activity has a maximum of 60 students per day.

### Cost: \$8.00 per student

**Did you know...** fish have calcium carbonate structures in their heads – called 'otoliths' – that contain growth rings, rather like those found in the trunks of trees. These rings are laid down at regular intervals so, by counting the rings, the age of a fish can be determined.

### Related resources

[Fact Sheet: Fisheries Management](#)

[Fact Sheet: Fish Anatomy](#)

[Lesson: Fish Dissection - Senior Secondary](#)

[Hillarys School Excursion: Aquatic Natural Resource Management](#)

[Hillarys School Excursion: Fish of Ages](#)

[Poster: Bony Fish - External Anatomy \(including information\)](#)

[Poster: Bony Fish - Internal Anatomy \(including information\)](#)