

## Senior Phase: Grade 7 - 9

The Two Oceans Aquarium's Education Centre has stimulating programmes designed to complement the work done in schools. Our activities are designed to lead learners to discover and learn about the freshwater, coastal and marine environments. Should you wish your activity to be a different topic we would be happy to discuss your requirements and structure an activity accordingly.

### 1. Fish lesson



Constructing scientific knowledge about fish through investigation and dissection.

**Introduction to SASSI program.**

Learning Outcomes : LO 2

### 2. Sharks lesson



Cartilaginous fish: sharks and their relatives.

How are sharks similar and different to fish?

How are various sharks adapted to their environment?

The importance of sharks in the ecosystem.

Are sharks dangerous or endangered?

Learning Outcomes : LO 2

### 3. Underwater wonders lesson



A multi-sensory approach to invertebrates: definitions, characteristics and habitats of various phyla of invertebrates (anemone, starfish, urchin, lobster and food chains).

Learning Outcomes : LO 2

### 4. Water conservation lesson



Please bring calculator and a pen.

The importance of water on planet earth and why it needs to be conserved.

A hands-on activity to learn how to make every drop count.

Learning Outcomes : LO 2 and 3

Learning Outcomes : LO 3 and 4

## 5. Rocky Shore Ecology



This lesson activity introduces students to animals and plants found in the rocky shore environment and explores the influences of where they are found along the shore.

This can be a preparation for a rocky shore visit before you take your class to the seashore. Categorize and construct scientific knowledge.

We could facilitate your classes visit to a rocky shore close by.

Learning Outcomes : LO 2 and 3

## 6. Data collection lesson



What is the importance of collecting data?

How is this information used to improve population studies?

An activity geared at developing skills of conducting an investigation by measuring, recording, analysing and interpreting data (Fish dissection, data collection and introduction to SASSI).

Learning Outcomes : LO 1, 2, 3, 4, 5

## 7. Kelp Forest and Holdfast Ecology



A hands-on exploration of the fascinating animals to be discovered in a holdfast. Pupils collect and classify these organisms into Phyla and investigate how they are adapted to live in this environment.

The ecology of a typical kelp forest will also be discussed.

Learning Outcomes : LO 1, 2, 3