

Junior Certificate

This field trip will encompass various areas in the Junior Certificate Science curriculum.

This study will involve:

- General Habitat Study and mapping of the seashore habitat
- Identification of plants using a line transect
- Discovery and Identification of animals on the shore using a dichotomous key
- Examination of the various adaptations and food webs within the habitat
- Look at environmental issues affecting the shore such as pollution
- Optional tour of aquarium with further highlighting of adaptations and habitats

Class Range: 1st, 2nd, 3rd year

Available: Weather and tide dependent
(Give us a call or an email)

Duration: 2.5hrs

Cost: 12 per student

Transition Year

The aim of this package is to inspire and generate enthusiasm for science whilst incorporating skills needed for the future and for the Leaving Certificate

This study involves:

- An introduction to Ireland's marine life in the aquarium through an interactive tour
- A general habitat study on the shore
- Examination of plants and animals adaptations on the shore
- Laboratory investigations available such as squid dissection and microscopy
- A look at the threats to our oceans and how everyone can help

Class Range: Transition year

Available: Weather and tide dependent
(Give us a call or email us)

Duration: 3.5 hours

Cost: 14 per student

Leaving Cert Ecology

This study revolves around the Ecology module of the Biology syllabus. All activities are conducted whilst utilising the scientific method. The ecosystem will be studied; the definitions will be explained and experienced throughout. Interactions and relationships will be considered as will the adaptations and requirements for the various species encountered. Questions will be posed such as 'why is seaweed not grouped as a plant but instead an algae?'

This study involves:

- A detailed study of a rocky seashore habitat
- Identification of five plants on the shore using a dichotomous key
- Mapping of the habitat and it's zones
- Carry out a qualitative and quantitative study of plants on the shore using percentage frequency and percentage cover.
- Measurement of three abiotic factors that affect the habitat
- Key out five animals on the shore and identify their role, adaptations and place in the food web
- Identify different methods for collection of animals on the shore
- Transfer results to tables, diagrams, histograms and any other relevant mode.
- Identify possible areas of error in the sampling method
- Can also include an aquarium tour and further discussion of adaptations and habitats.

Class range: 5th and 6th Year

Availability: Weather and tide dependent (Give us a call or email us)

Duration: 3.5 hours

Cost: 14 per student



Here at Oceanworld we are firmly convinced that the best way to learn (and to reinforce what you already know!) is in practice; hands on and stuck in!

We have designed our packages around the science curriculum, whilst encompassing our knowledge of the beautiful marine habitats we have here in Dingle with the aim to inspire and educate.

"It is the supreme art of the teacher to awaken joy in creative expression and knowledge"

Albert Einstein, 1940

Dingle Oceanworld Aquarium are excited to unveil our new Secondary School field Biology and ecology outings.

The outings are guided by qualified Wildlife Biologists and ecologists, with a workbook, equipment and teacher's support pack all included.

"In the end we will only conserve what we love. We love only what we understand. We will understand only what we are taught."

Baba Diounn, 1968



For more information contact us on 066 9152111 Email: info@dingle-oceanworld.ie
Visit www.dingle-oceanworld.ie

Oceanworld Aquarium
The Wood, Dingle, Co Kerry



Mara Beo Uisceadán an Daingin



**Seashore Ecology and
Marine Biology**

Éiceolaíocht Cladaigh & Bitheolaíocht Mara
Secondary School Field Science