
ROCKY SHORE ECOLOGY

Learning Level Third, Fourth and Senior (S1 – S6)
Time 4 hours

Students will visit a rocky shore and use biological sampling techniques to collect and record data on the diversity and distribution patterns of rocky shore dwellers. The students will conduct a line transect and quadrat sampling and will identify plants and animals using keys. The practical exercise will be followed by a tour of the aquarium, including a discussion on the expected beach survey results and the factors influencing the distribution of intertidal species.

Activities

Biological survey of a rocky shore
A guided tour of the aquarium
Handling live marine animals
A digital slideshow presentation

Key Concepts

Biological samples can be collected from a natural environment using different techniques.

Recording biological data can demonstrate patterns in the distribution of species.

Living things have features that make them unique and allow them to be identified.

The survival of a species is dependent on its ability to adapt to its environment.

Experiences and Outcomes

I can identify living things from different habitats to compare their biodiversity and can suggest reasons for their distribution. SCN 3-01a

I understand how animal and plant species depend on each other and how living things are adapted for survival. I can predict the impact of population growth and natural hazards on biodiversity. SCN 4-01a