The Seashore Stage

Art and science have always been natural partners, but what about concocting drama with science? The following activities can be done before and after a trip to the rocky shore.

**Objectives:** To understand environmental conditions and hazards faced by intertidal plants/animals, and foster appropriate behavior for seashore visitors through drama.

**Curriculum Links:** This activity can be modified for all levels Science/Living World AOs: 3, 4, 5.5 Drama: 12 - Developing ideas in Drama, 13 - Communicating and Interpreting in Drama.

### POST-TRIP ACTIVITY

#### (after the rocky shore field trip)

1. Have students revisit their rocky shore drawing and make a second list with the animals/plants that they actually found living there. Were they found in the high, mid or low tide zones?

2. Each student chooses a role - an animal or plant that they encountered on the field trip to investigate further.
   - What does it eat? Catch its prey and list its predators?
   - How does it move? Stay damp and cool at low tide?
   - How does its behavior change from high to low tide?
   - Some students may want to act as scientists, biologists or school children visiting the shore.

3. Have each student make a hat or prop and name tag to illustrate their character.

4. Go back to the slope and have the students position themselves in the appropriate tidal zone. Present the following scenarios and give them 30 - 60 seconds to act them out.

   - Tide comes in
   - Tide goes out
   - Pollution washes up on the beach
   - A developer builds the beach
   - A storage foreign vessel moves into the area
   - Rainbow is abundant (zanzibar bloom)
   - A party of school students turns up

5. Ask the animals/plants how it feels to have people exploring their home. Which organisms had a positive effect on the seashore residents? Which had a negative effect?

6. Environmental Action: As a class, write a code of conduct for the seashore. Present it as a poster and display it in a prominent place where visitors to the seashore will see it. Send it to the local paper etc.

---

**Marine Discovery for Nelson / Marlborough / Tasman Schools**

The NZ Marine Studies Centre has taken its marine education programmes north. Supported by a Ministry of Education LOCTC contract, the NZMSC outreach programme is based at the **Tangaroa Aquarium** at Mapua.

Richard de Hamel, our experienced marine educator, is providing a 'hands-on' look at the local marine environment through Aquarium programmes, in-class presentations and seashore activities.

**New Programmes!**

**Cruise Otago Harbour**

Travel to the Aquarium by boat on the **Monarch Wildlife Harbour Cruise**. View seabirds and marine mammals; then experience the bottom end of the food web at the Aquarium.

---

**Schools Access 100 Years of Marine Research**

The research conducted over the last hundred years at the Port Chalmers Marine Laboratory has made an important contribution to our understanding of the marine environment of southern NZ. Through an interactive CD Rom, students will be able to take on the role of a marine scientist, join a virtual field trip on the research vessel and work with real data to answer important questions - all on line! Available January 2006.

---

**Rocky Shore Real-Estate**

Location, Location, Location! Seafrontage, solid rock foundation, ever changing outlook and underwater twice a day! Sounds like the perfect place to live. And it is - for humans who want a glimpse at life in the sea. It's a good place to start, and, if you have your visit right, you shouldn't get too wet! The following identification guide and post/visit activities will introduce you to the local residents. The NZ Marine Studies Centre staff will add a new dimension to your rocky shore visit!