



# What a Marine Life!

## **CURRICULUM LINKS: Grade 8-12**

### **Sciences: Water Systems on Earth (Gr. 8)**

-describe factors that affect productivity and species distribution in aquatic environments

### **Processes of Science (Gr. 9)**

-demonstrate ethical, responsible, cooperative behaviour

### **Sustainability of Ecosystems (Gr. 10)**

-explain the interaction of abiotic and biotic factors within an ecosystem

-assess the potential impacts of bioaccumulation

-explain various ways in which natural populations are altered or kept in equilibrium

### **Processes of Science (Gr. 10)**

-demonstrate ethical, responsible, cooperative behaviour

## **Biology 11**

### *Taxonomy*

-apply the kingdom system of classification to study the diversity of organisms

### *Ecology*

-analyse the functional inter-relationships of organisms within an ecosystem

### *Animal Biology*

-analyse the increasing complexity of the Phylum Porifera and the Phylum Cnidaria

-analyse the increasing complexity of the Phylum Platyhelminthes, the Phylum Nematoda and the Phylum Annelida

-analyse the increasing complexity of the Phylum Mollusca, Phylum Echinodermata and the Phylum Arthropoda

### **Earth Science 11: Surface Processes and the Hydrosphere**

-relate the processes associated with weathering and erosion to resulting features

### **Science and Technology 11: Natural Resources and the Environment**

-evaluate methods used in the extraction, processing, use and management of a locally used or produced resource

## **Fisheries 12**

-examine the biotic and abiotic components of a variety of aquatic ecosystems

-investigate interactions found within aquatic ecosystems