Grade 6 Science

Life Science: Diversity of Life

Students are able to recognize that living things can be subdivided into smaller groups. As an introduction to the formal biological classification system, students should focus on plants, animals, and microorganisms. Students should have the opportunity to learn about an increasing variety of living organisms, both familiar and exotic, and become more precise in identifying similarities and differences among them. Identify and use correctly appropriate tools to examine and describe some living things that cannot be seen with the naked eye.

Specific Curriculum Outcomes

204-8 Identify appropriate tools, instruments and materials to complete their investigations

300-19 Examine and describe some living things that cannot be seen with the naked eye

Suggested Teaching and Learning Strategies

Use the Planktology section of the **Oceanography and Planktology presentation**, along with the **Plankton of Newfoundland Resource** to learn about phytoplankton and then do the following activities. They can be incorporated into a field trip as well to collect samples and then observe the tiny organisms with the tools made in the activities and try and identify some from the resource documents mentioned. Microscopy is also a good observation tool back in the lab if available.

- **Plankton net activity**
- **Plankton viewer activity**
- **Aquascope activity**

In addition to this section which pertains to a SCO the **general aquaculture presentation resource** can also be used for a general introduction to aquaculture in the province followed by a life cycle activity.

Other activities that can be incorporated into the teacher's repertoire:

- **Aquaculture and Fisheries Trivia**
- **Make an impression of a fish activity**
- **Hypothesis in Science activity**
- **Husbandry techniques and recording data activity**
- **Designing fish and fish anatomy activity**
- **Backyard fish farming techniques**
- **Weight of freshwater vs. saltwater activity**
- **Tagging and recapture activity**
- **Study of scales activity**
- **Seafood Mazes**
- **Fun invertebrate activity**
- **Fish Anatomy activity**
- **Bioaccumulation activity**
- **Free Books**

Videos about aquaculture and habitats:

- Videos on mussel farming
- Videos about sustainability in salmon farming
- Salmon farming video
- Virtual dissection of a salmon
- Seaweed video – Integrated Multi-Trophic Aquaculture