

Life in a Bottle Outcomes

Grade 4 Science

Outcome: HC4.1 Habitats and Communities

Investigate the interdependence of plants and animals, including humans, within habitats and communities. [CP, SI]

Outcome: HC4.2 Habitats and Communities

Analyze the structures and behaviours of plants and animals that enable them to exist in various habitats. [SI]

Outcome: HC4.3 Habitats and Communities

Assess the effects of natural and human activities on habitats and communities, and propose actions to maintain or restore habitats. [CP, DM]

Grade 6 Science

Outcome: DL6.1 Life Science: Diversity of Living Things

Recognize, describe, and appreciate the diversity of living things in local and other ecosystems, and explore related careers. [CP, SI]

Outcome: DL6.2 Life Science: Diversity of Living Things

Examine how humans organize understanding of the diversity of living things. [CP, SI]

Outcome: DL6.3 Life Science: Diversity of Living Things

Analyze the characteristics and behaviours of vertebrates (i.e., mammals, birds, reptiles, amphibians, and fish) and invertebrates. [SI]

Outcome: DL6.4 Life Science: Diversity of Living Things

Examine and describe structures and behaviours that help:

- individual living organisms survive in their environments in the short term
- species of living organisms adapt to their environments in the long term.

Outcome: DL6.5 Life Science: Diversity of Living Things

Assess effects of micro-organisms on past and present society, and contributions of science and technology to human understanding of micro-organisms. [CP, DM, SI]

Grade 7 Science

Outcome: IE7.1 Life Science: Interactions within Ecosystems

Relate key aspects of Indigenous knowledge to their understanding of ecosystems. [CP]

Outcome: IE7.2 Life Science: Interactions within Ecosystems

Observe, illustrate, and analyze living organisms within local ecosystems as part of interconnected food webs, populations, and communities. [SI]

Outcome: IE7.3 Life Science: Interactions within Ecosystems

Evaluate biogeochemical cycles (water, carbon, and nitrogen) as representations of energy flow and the cycling of matter through ecosystems. [CP,SI]

Outcome: IE7.4 Life Science: Interactions within Ecosystems

Analyze how ecosystems change in response to natural and human influences, and propose actions to reduce the impact of human behaviour on a specific ecosystem. [DM, CP]