

## Curriculum-based Outcomes for Junior High and High School Activities

*The following are curriculum-based learning outcomes which may be applied to junior high and high school activities:*

**Geological Timeline Exercise:** develop a chronological model or geological time scale of major events in Earth's history; analyse the patterns and products of evolution; outline evidence and arguments pertaining to the origin, development, and diversity of living organisms on Earth; illustrate the geologic time scale and compare it to human time scales; identify signs of ecological succession in a local ecosystem.

**Modern Equivalent Exercise:** analyse the patterns and products of evolution; evaluate current evidence that supports the theory of evolution and that feeds the debate on gradualism and punctuated equilibrium; outline evidence and arguments pertaining to the origin, development, and diversity of living organisms on Earth.

**Natural Selection Game:** analyse the patterns and products of evolution; describe historical and cultural contexts that have changed evolutionary concepts; analyse evolutionary mechanisms such as natural selection, genetic variation, genetic drift, artificial selection, and biotechnology, and their effects on biodiversity and extinction; evaluate current evidence that supports the theory of evolution and that feeds the debate on gradualism and punctuated equilibrium; outline evidence and arguments pertaining to the origin, development, and diversity of living organisms on Earth.

**CSI Joggins:** analyse the patterns and products of evolution; describe the interactions between biotic and abiotic factors in an ecosystem; identify signs of ecological succession in a local ecosystem; explain and describe the process of fossil formation.

*The information above was taken from the [Atlantic Canada Science Curriculum](#)*