

CURRICULUM LINKS

This program is designed to tie in to the Science 1206 curriculum, particularly for Unit 1: Weather Dynamics and Unit 4: Sustainable Ecosystems. Outlined below are the STSE, Skills and Knowledge outcomes that the students will gain through participation in this program.

GCO 1 - STSE

- 34.0 Illustrate how science attempts to explain natural phenomena
- 38.0 Describe examples of Canadian contributions to science and technology
- 51.0 Defend a decision or judgment and demonstrate that relevant arguments can arise from different perspectives
- 78.0 Compare the risks and benefits to society and the environment of applying scientific knowledge or introducing a new technology

GCO 2 - SKILLS

- 3.0 State a prediction and a hypothesis based on available evidence and background information
- 9.0 Use instruments effectively and accurately for collecting data
- 17.0 Compile and display evidence and information, by hand or computer, in a variety of formats, including diagrams, flow charts, tables, graphs, and scatter plots
- 20.0 Evaluate the relevance, reliability, and adequacy of data and data collection methods
- 21.0 identify and explain sources of error and uncertainty in measurement and express results in a form that acknowledges the degree of uncertainty
- 25.0 Communicate questions, ideas, and intentions, and receive, interpret, understand, support, and respond to the ideas of others

GCO 3 - KNOWLEDGE

- 31.0 Describe and explain heat transfers in the water cycle
- 33.0 Describe and explain heat transfer in the hydrosphere and atmosphere on the development, severity, and movement of weather systems
- 67.0 Explain various ways in which natural populations are kept in equilibrium, and relate this equilibrium to the resource limits of an ecosystem
- 71.0 Analyze the impact of external factors on an ecosystem
- 73.0 Explain how biodiversity of an ecosystem contributes to its sustainability
- 74.0 Explain why different ecosystems respond differently to short-term stresses and long-term changes

