

Station 1: Wind Inspectors – Curriculum Outcomes

Alberta

*Science (1996) – Topic D:
Weather Watch*

Grade 5

General Learner Expectation: Students will be expected to...

- 5-8 Observe, describe and interpret weather phenomena; and relate weather to the heating and cooling of the Earth's surface.

Specific Learner Expectations: Students will be expected to...

- Describe and demonstrate methods for measuring wind speed and for finding wind direction.
- Measure at least four different kinds of weather phenomena. Either student-constructed or standard instruments may be used.

British Columbia

*Science K-7
Integrated Resource
Package (2005)*

Grade 4

Students will be expected to...

- PLO: Measure weather in terms of temperature, precipitation, cloud cover, wind speed and direction.

Manitoba

Science

*Grade 5, Cluster 4:
Weather*

Students will be expected to...

- 5-4-05 Use the design process to construct a weather instrument.
- GLO: C3, D5

New Brunswick

*Science (2002), Earth and
Space Science*

Grade 5

Students will be expected to...

- Identify and/or construct, and use instruments for measuring weather information (204-8, 205-4, 205-10).
- Use appropriate terminology to name weather instruments when collecting weather data (104-7).

Newfoundland and Labrador

*Science (2002), Earth and
Space Science*

Grade 5

Students will be expected to...

- Identify and/or construct, and use instruments for measuring weather information (204-8, 205-4, 205-10).
- Use appropriate terminology to name weather instruments when collecting weather data (104-7).
- Record observations using measuring instruments in order to describe weather in terms of temperature, wind speed, wind direction, precipitation, and cloud cover (205-7, 300-13).

Northwest Territories

*Science and Technology
(2004), Earth
and Space Systems*

Grade 5

General Learning Outcome: Students will be expected to...

- Investigate the major climatic factors associated with weather, and design, construct and test a variety of instruments for recording various features of the weather.

Specific Learning Outcome: Students will be expected to...

- Design, construct and test a variety of weather instruments (e.g. weather vane, anemometer, rain gauge, wind sock hydrometer).

Nova Scotia

*Learning Outcomes
Framework: Science
(Draft) (2008), Earth
and Space Science*

Grade 5

General Learning Outcome: Students will be expected to...

- Using correct names of weather instruments, construct and use instruments to record temperature, wind speed, wind direction and precipitation (104-7, 204-8, 205-4, 205-10, 205-7, 300-13).





<p>Nunavut <i>Elementary Science, Northwest Territories 1986 (Reprinted 1994), Weather</i></p>	<ul style="list-style-type: none"> • Wind speed can be measured by wind gauges.
<p>Students will be expected...</p>	
<ul style="list-style-type: none"> • To observe the effects of the wind. 	
<p>Grade 6</p>	
<p>Ontario</p>	<p>N/A</p>
<p>Grade 5 & 6</p>	
<p>Prince Edward Island</p>	<p>Students will be expected to...</p>
<p>Grade 5 & 6</p>	<ul style="list-style-type: none"> • Identify and/or construct, and use instruments for measuring weather information (204-8, 205-4, 205-10). • Use appropriate terminology to name weather instruments when collecting weather data (104-7). • Record observations using measuring instruments in order to describe weather in terms of temperature, wind speed, wind direction, precipitation, and cloud cover (205-7, 300-13).
<p>Quebec <i>Science and Technology Curriculum</i></p>	<p>Skills:</p>
<p>Cycle 2 and 3 (grades 3-4-5-6)</p>	<ul style="list-style-type: none"> • Propose explanations or solutions to scientific problems. • Build on tools, objects and procedures used in science and technology.
<p>Techniques and Instrumentation</p>	
<ul style="list-style-type: none"> • Use of simple measurement instruments (ex.: rulers, scale, thermometer, weather vane, barometer, wind gauge, hygrometer). • Design/construction of measurement instruments and prototypes. 	
<p>Saskatchewan <i>Science: A Curriculum Guide for the Elementary Level (1990) – Core Unit: Predicting Weather</i></p>	<p>Students will be expected to...</p>
<p>Grade 5</p>	<ul style="list-style-type: none"> • Identify instruments used to measure weather conditions. • Construct instruments to measure wind conditions. • Record measurements made with weather instruments.
<p>Yukon</p>	<p>Students will be expected to...</p>
<p>Grade 5 & 6</p>	<ul style="list-style-type: none"> • PLO: Measure weather in terms of temperature, precipitation, cloud cover, wind speed and direction.

