

## Station 4: Lights, Camera, Weather, Action! – Curriculum Outcomes



### Alberta

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

Grade 5

#### General Learner Expectation

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

#### Specific Learner Expectations

- Describe patterns of air movement, in indoor and outdoor environments, that result when one area is warm and another area is cool.

### 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...

- 5-4-04 Recognize that warm and cold air masses are important components of weather, and describe what happens when these air masses meet along a front.
- Include: in a cold front the cold air mass slides under a warm air mass, pushing the warm air upwards; in a warm front the warm moist air slides up over a cold air mass.
- GLO: D5, E2

### New Brunswick

*Science (2002), Earth  
and Space Science*

Grade 5

#### Students will be expected to...

- Draw a conclusion, based on evidence gathered through research and observation, about the patterns of air and/or water flow that result when two air or water masses of different temperature meet (206-5).
- Identify the various features of a weather report (ex: temperature, wind speed, precipitation, cloud cover).

### Newfoundland and Labrador

*Science (2002), Earth  
and Space Science*

Grade 5

#### Students will be expected to...

- Using a variety of sources, gather information to describe the key features of weather systems and identify weather related technological innovations and products that have been developed by cultures in response to weather conditions (107-14, 205-8, 302-11).

### Northwest Territories

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

Grade 5

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

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

#### Specific Learning Outcomes: Students will be expected to...

- Recognize large-scale and local weather systems (e.g. fronts, air masses, storms).

### Nova Scotia

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

Grade 5

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

- Using a variety of sources, gather information to describe the key features of weather systems and identify weather related technological innovations and products that have been developed by cultures in response to weather conditions (107-14, 205-8, 302-11).





**Nunavut**

*Elementary Science,  
Northwest Territories  
1986 (Reprinted 1994),  
Weather*

Grade 6

- Wind is caused by the movement of air masses.
- Students will be expected...**
- 2b. To infer direction of air currents.

**Ontario**

N/A

Grade 5 & 6

**Prince Edward Island**

Grade 5 & 6

**Students will be expected to...**

- Using a variety of sources, gather information to describe the key features of weather systems and identify weather related technological innovations and products that have been developed by cultures in response to weather conditions (107-14, 205-8, 302-11).

**Quebec**

*Science and Technology  
Curriculum*

Cycle 2 and 3  
(grades 3-4-5-6)

**Skills**

- Propose explanations or solutions to scientific problems.
- Build on tools, objects and procedures used in science and technology.

**Saskatchewan**

*Science: A Curriculum  
Guide for the Elementary  
Level (1990) – Core Unit:  
Predicting Weather*

Grade 4

**General Learning Outcome**

- To promote both intuitive, imaginative thought and the ability to evaluate ideas, processes, experiences and objects in meaningful contexts.

**Science Foundational and Learning Objectives**

- Determine what information is recorded on weather maps.
- Interpret information weather maps.

**Yukon**

Grade 5 & 6

**Students will be expected to...**

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

