



AT HOME CLASSROOM RESOURCES
MIDDLE YEARS

Weather the Climate: Create a Weather Station

GRADE 5

LESSON DESCRIPTION

We rely heavily on the media in our day to day lives to understand and forecast the weather. To better understand how weather is measured, this activity and resource list offers instructions on making a weather station out of easy-to-find materials, and ideas of how observations can be put together to make a forecast of tomorrow's weather.

LESSON

Nowadays, there are digital weather stations near or in most Canadian communities. In Winnipeg, there are two major Environment Canada weather stations: one at The Forks and one at the airport.

You don't need highly technical equipment to record, monitor, and even forecast the weather. Much of Canada's historical weather data comes from citizens who took particular interest in the weather and kept detailed records using relatively simple equipment.

1. Students will design and build weather instruments from simple materials.

SUGGESTED CURRICULUM LINKS

Habitats and Communities - 4-1-01, 4-1-03, 4-1-04

OTHER RESOURCES

[FortWhyte Alive's Weather Recording Data Sheet](#)

[Let's Talk Science: Measuring and Forecasting Weather](#)

[Making Your Own Weather Instruments](#)

2. Students will take individual measurements with their instruments and record weather data on a daily basis.
3. The students' results can be compared to local weather reports, available from various media (radio, TV or the internet).
4. Students will use the forecasting tips to predict tomorrow's weather and find out if their predictions are true!