



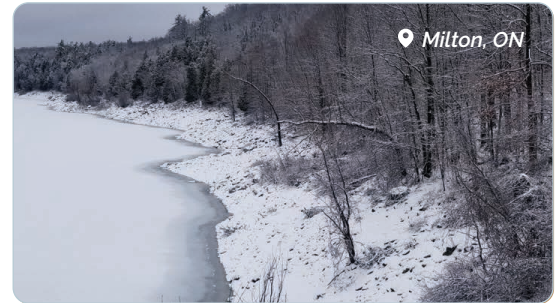
# ACTIVITY: Snow & Temperature Data Collection

@home

🕒 30 MINUTES

## Objective

From home, strengthen math and science concepts while collecting meteorological data for variables like snow depth, temperature, and snow wetness! *Why snow?* Snow is important for ground water recharge, drinking water availability, ecosystem function & so much more. Through experimentation, investigate the different properties of water (e.g. solid, liquid) & explore snow as a water resource in your community. What do you notice? Record your observations from a school playground, park, field or yard near you! Share your S<sup>k</sup>nowledge!



**Figure 1:** Observing the different properties of water in its solid (snow), and liquid (water) forms.

## Materials



**Metre stick or ruler**

(depending on how much snow there is on the ground)



**Thermometer**

(optional)



**Computer/tablet/smartphone** with internet connection to submit observations using the [Online Reporting Tool](#)<sup>1</sup>.

Alternate: Use the provided worksheets<sup>2</sup> to record measurements outside, then enter observations into the [Online Reporting Tool](#)<sup>1</sup> once you return inside.

## Activity

**Check with your parent or guardian before going outside to and submitting your observations online.**

01. Gather materials & dress for the weather outside.
02. Find a place outside in a field or yard that is **untouched** (e.g. somewhere that hasn't been walked on, plowed, or driven over) & **away from structures** (e.g. fences, buildings).  
Record 2 to 10 sets of observations at different locations within the field following the prompts in the [Online Reporting Tool](#)<sup>2</sup> or the worksheets. Submit your observations online<sup>2</sup>.
03. Explore your data on the interactive map<sup>3</sup>.

<sup>1</sup> Online Reporting Tool: [sknowledge.ca/share](https://sknowledge.ca/share)

<sup>2</sup> Worksheet resources: [sknowledge.ca/worksheet](https://sknowledge.ca/worksheet)

<sup>3</sup> Interactive Map: [sknowledge.ca/explore](https://sknowledge.ca/explore)