

## Using Weather Data

This worksheet needs to be completed in association with the websites linked to from geographyalltheway.com

## Current Weather Conditions

At what time was the most recent available temperature reading taken at the summit of Cairngorm?

What was the temperature reading?

Why do you think there are two thermometers?

What is the fastest gust wind speed recorded in the last 24 hours?

What has been the maximum temperature in the last 48 hours?

What has been the minimum temperature in the last 48 hours?

What has been the mean temperature in the last 48 hours?

What has been the maximum wind speed in the last 48 hours?

## 24 Hour Weather Summaries For Your Location

What was the highest temperature in the last 24 hours for the available location closest to you?

At what time was the highest temperature in the last 24 hours?

What was the lowest temperature in the last 24 hours for the available location closest to you?

At what time was the lowest temperature in the last 24 hours?

Produce a line graph that shows the change in temperature (in °C) for the last 24 hours. Ensure the graph has a title and that the axes are correctly labelled.

## Weather Data Summaries

Download the 'Daily Air Temp Max., Min., Precipitation: Average (or Total), By Month 1939-2003 (Excel)' from Hastings Natural History Reservation.

Use Excel to produce a bar graph that shows the rainfall (precipitation) for every January between 1939 and 2002.

*Hint:*

*Data > Sort > Sort by Month > Ascending.*

*Copy the necessary data to a new sheet.*

*Delete the unnecessary columns.*

*Reduce the number of figures after the decimal points to 0.*

*Plot your graph.*

Which year has the highest amount of precipitation in January?

Which year has the smallest amount of precipitation in January?

Describe the trend in the amount of precipitation in January from 1939 to 2002.