



Lesson Plan: Understanding Daily Weather

Level: Early Stage 1

Syllabus links: STe-6ES-S “identifies how daily and seasonal changes in the environment affect humans and other living things” and STe-1WS-S “observes, questions and collects data to communicate ideas”

LESSON OUTLINE

This lesson/activity is to be repeated each day of the week for one week. It can also be revisited during different seasons of the year to help understand seasonal changes in addition to daily weather changes.

Students will make observations about the current weather conditions in conjunction with using data from their nearest SWAQ weather station. They will also record how they are feeling and what they are wearing. The teacher will use their answers to have a class discussion creating links between the daily weather and how it affects us as humans.

Resources/Materials:

- Worksheet (included)
- SWAQ weather data available at <https://www.swaq.org.au/explore/>



Description of activity:

Distribute worksheet to students (one per person). Make sure that students understand what is meant by key terms such as temperature. Briefly go through each of the questions and give example answers where relevant.

If possible, take your students outside of the classroom for a short time (5 minutes will be sufficient). Ask them to focus on making observations about how warm/cold they are feeling, how windy it is and what the sky looks like (are there clouds or is it sunny?).

When students return to the classroom, they may begin filling in their worksheets. The answer to the daily temperature should be obtained as a class by checking the data as recorded by the nearest SWAQ weather station (teacher to access website). All other questions can be answered individually by students. When drawing the picture of the weather, encourage students to think about whether or not to draw clouds, rain or how they might show that it was windy. As an extension task, more able students can also draw a picture of themselves and what they are wearing that day.

Ask students to glue their worksheet into their books or keep it in a folder where it will not get lost. Repeat the activity with a new worksheet each day for the remainder of the week.

At the conclusion of the week, ask students to spend some time looking over their past worksheets. As a class, discuss how changes in the daily temperature and weather conditions (wind and rain) changed how

they were feeling and what they were wearing. Depending on what the weather has been like for the week, you can also ask them to consider other scenarios that they may not have encountered during the activity.

(eg, if it has not rained, you can ask them how they think that might change how they feel and what they wear or if it has been quite cloudy you can ask them about what might change if it was very sunny).

Additional Resources:

- ▶ The Weather Girls by Aki (storybook)
Read online at <https://www.youtube.com/watch?v=N63kBjKs7O0>

- ▶ Pignic by Matt Phelan (storybook)
Read online at <https://www.youtube.com/watch?v=m9C4d7zQNmM>

- ▶ The Rain Came Down by David Shannon (storybook)
Read online at <https://www.youtube.com/watch?v=u5bBG6Y1yOo>

- ▶ A song about different types of weather.
<https://www.youtube.com/watch?v=tfAB4BXSHOA>

- ▶ A video introducing the concept of a weather journal.
<https://www.youtube.com/watch?v=Uo8lbeVVb4M>

- ▶ A video where the host, Ed, uses time travel to explore the weather during different seasons.
<https://education.abc.net.au/home#!/digibook/1569645/mixed-up-maths> (Chapter 10)

Key Questions to Ask

On which day did you feel the hottest? How did the temperature on this day compare to the other days?

When the temperature is higher, how do you feel?

When the temperature is lower, how do you feel?

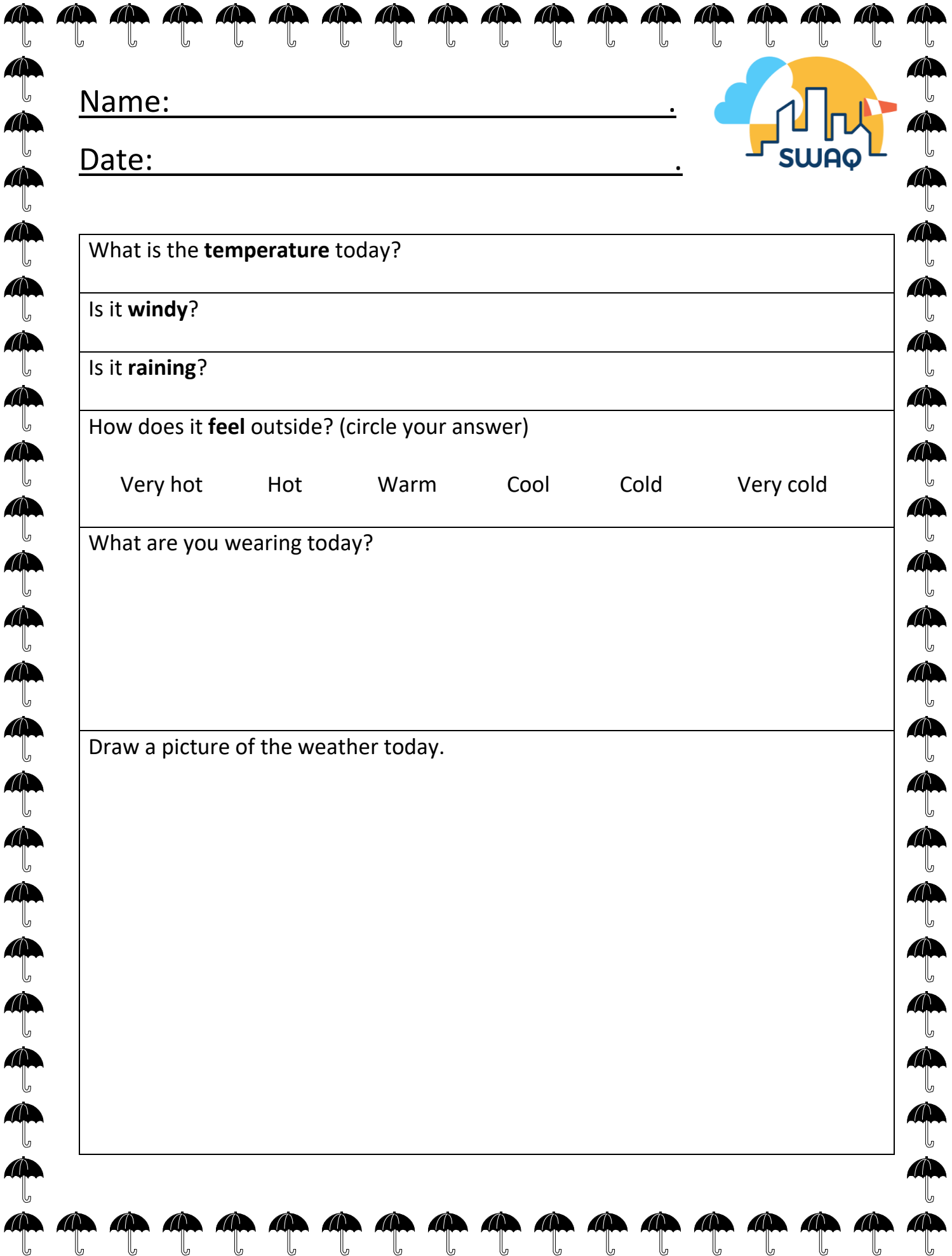
Do you feel warmer or colder on windy days?

What extra clothing do you need if it is raining?

What extra clothing do you need if it is very sunny?

What type of clothes do you usually wear if it is hot?

What type of clothes do you usually wear if it is cold?



Name: _____.

Date: _____.

What is the **temperature** today?

Is it **windy**?

Is it **raining**?

How does it **feel** outside? (circle your answer)

Very hot

Hot

Warm

Cool

Cold

Very cold

What are you wearing today?

Draw a picture of the weather today.