Wonder Project

Water Challenge

Activity 2.4: Data dive

No rain? No problem!

Follow the climate data tool link in the Student Hub. Find the historic precipitation data for your hapori and choose one year's worth of data to analyse instead (month by month).

For the climate comparison, find the same data set from 10 years before your chosen set to do your analysis.

Gather information about precipitation in your hapori by diving into the data from your rain gauge.

To extract meaning from your data, you'll follow 3 easy steps:

- Organise
- Analyse
- Draw a conclusion

Step 1: Organise

Visualise your data in a graph, a line chart, or create a drawing to help you see patterns.

What have you learned from organising your data?

Climate comparison

Step 2: Analyse

See if your data can give you any information on how our climate might have changed over time.

Using the climate data tool in the Student Hub, find the precipitation data for your hapori from this month, 10 years ago.

Write down the average precipitation (mm).

Average precipitation 10 years ago (mm):

Write down the average precipitation (mm) from your rain gauge.

Average precipitation (mm):

Difference between average precipitation 10 years ago, and now (mm):

Precipitation trends

STEM superstars rely on multiple data sources, so their conclusion is accurate.

Take a wider look at precipitation trends in your hapori over time, from 10 years ago to now.
Can you find any patterns? What information does this data give you?

Step 3: Draw a conclusion

How does your data compare to the average precipitation in your hapori this time, 10 years ago?
What differences did you find in the online precipitation data? What do you think this means?