

TOPIC

Plants and Weather

SDGS



LEARNING OUTCOMES

- 4.7.3 I can identify some common plants in my local environment.
- 4.7.4 I can identify and classify a range of plants in my local area through a fieldwork activity.
- 4.7.2 I can interpret basic weather charts and the symbols used.

ADDITIONAL OUTCOMES

- I can plot a bar graph
- I can measure the length of parts of a plant
- I can mention different elements required for plants to grow

MATERIALS NEEDED

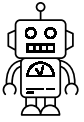
<https://www.csm.edu.mt/stemmersion/>

- Robotic cards / group:
stemmersion_y4_s3_robotics_plant
characteristics_name cards.pptx / group
- Robotic cards / group:
stemmersion_y4_s3_robotics_plant images.pptx
- Filled in weather chart from previous lesson
- Squared paper
- Robot per group
- Robotic Mat – if needed – depends on the robot used

KEY WORDS

Various names of local flora,
temperature, leaves, petals,
attract insects, stem for support,
roots absorb, water, edible,
nutrients, air, water

SESSION ACTIVITIES



Robotics Activity:

- The teacher places the different pictures of local flora and their characteristics in various boxes
- A student takes and reads the name card with the name and information about a particular local flora
- Another student finds the image(s) and must give instructions to the robot to move from start to the correct related picture(s).
- To increase the level of difficulty the students can be asked to give instructions to reach the correct pictures avoiding the other incorrect image cards.



Weather bar graph

- Students discuss the noted temperatures on their weather chart
- Students draw a bar graph on squared paper of average temperature against different days.



Observing and collecting data from plants

- The students observe the growth of their plants.
- Students can discuss the differences in the plants grown as well as what elements are necessary for plant growth.
- Students can measure the length of the stem or leaves of different plants or of their own plant over several days.
- Students can draw a graph with this data as in the previous activity.