

TOPIC

Plants, Maltese Flora

SDGS



LEARNING OUTCOMES

- 4.2.3 I can care for a growing plant, ensuring it gets all the elements needed for growth, namely water, air and light.
- 4.7.3 I can identify some common plants in my local environment, namely the Carob tree (Ħarruba), Aleppo Pine (siġra taż-Żnuber), Thyme (Sagħtar), Crown Daisy (Lellux), Cape Sorrel (Qarsu), Fennel (Bużbież), Borage (Fidloqqom), Common and Greater Snapdragon (Papoċċi Ħamra).

ADDITIONAL OUTCOMES

- I can appreciate the work of a local STEM professional: A Beekeeper

MATERIALS NEEDED

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

- PowerPoint: stemmersion_y4_s1.pptx
- Video: Beekeeper Interview.mp4
- VR expedition: Wild Plant Habitats in Malta| STEMMERSION on ExpeditionsPro App
- Links to 3 online games
- VR Headsets
- Spray water bottle filled with water
- Plastic transparent container
- Compost
- Seeds for micro-greens or edible plants

KEY WORDS

leaves, petals attract insects, stem for support, roots absorb water, edible, nutrients, air, water, sunlight

SESSION ACTIVITIES



PowerPoint about parts of a plant and the importance of plants



Maltese STEM Professional Video: A Beekeeper, who explains to us the importance of bees for plants and crops



VR expedition: Wild Plant Habitats in Malta | STEMMERSION on ExpeditionsPro which can be seen through a VR headset. Kindly note that such an activity should not replace fieldwork.



Growing a Plant

- In a small transparent recycled container, students first put a layer of compost.
- Students then place the seeds at the edge of the container all around the container. Placing the seeds in this way will allow the roots to be visible as they grow.
- The seeds are covered by another layer of compost and water is sprayed.
- The container should be left next to the windowsill or sunlight source.
- Students should also spray the plant with water a little every day.
- The seeds for micro-greens grow within a week or two and are edible.

CONCLUSION

Three games on the life plant cycle and different characteristics of wildlife trees/plants found in Malta using the Interactive White Board or Tablet:

- <https://wordwall.net/resource/64882520/plant-life-cycle>
- <https://learningapps.org/watch?v=pn6e7ru5t23>
- <https://learningapps.org/watch?v=pcmawvqya23>