

TOPIC

Human Impact on the Environment

SDGS



LEARNING OUTCOMES

- 6.7.1 I can explain that the environment is an ecosystem that can be harmed through pollution, destruction of the natural environment, acid rain, overfishing and overpopulation.
- 6.7.2 I can observe and describe how the sea is becoming polluted and its effect on marine life.

LEARNING OUTCOMES

- I can appreciate the work of a local STEM professional: A Marine Biologist
- I can discuss the impact of humans on the environment and provide some examples of green actions which can be taken
- I can produce creative writing to communicate aspects of human impact on the environment

MATERIALS NEEDED

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

- Quizizz on Human Impact on the Environment
- Video: Marine Biologist
- VR Kit
- VR expedition: Human Impact on Malta's Ecosystem - STEMMERSION
- Worksheet (A3 size per group):
stemmersion_y6_s1_environment_6 thinking hats.pdf
- Glossary of terms used in articles:
stemmersion_y6_s2_glossary_glossarju.pdf
- Articles on 6 different animals/plants and an introductory article on the importance of conservation (available in English & Maltese)
- Maltese Learning Outcomes: stemmersion_y6_It-Tqassim u il-Kisbiet tat-Tagħlim is-suggerit għall-proċess tal-Kitba tal-Artiklu.pdf
- English Learning Outcomes: stemmersion_y6_Suggested writing process and Learning Outcomes Involved for Writing a Letter.pdf
- YouTube Video

KEY WORDS

environment, ecosystem, land, sea, air, light, pollution, habitats, micro-plastics, acid rain, overfishing, overpopulation, sustainability

SESSION 2 ACTIVITIES



Quizizz-

<https://quizizz.com/join/presentation/658189bcde7c815bf8987aac/start?studentShare=true>



Maltese STEM Professional Video: A Marine Biologist



VR expedition: Human Impact on Malta's Ecosystem | STEMMERSION on ExpeditionsPro which can be seen through a VR headset.

Writing task - part 1 - reading articles (in the English or Maltese language) and using the 6 thinking hats tool to elicit information.



- Students are divided into groups & randomly assigned an article about a local endangered species (refer to the Learning Outcomes related to the writing process for either English or Maltese).
- Students go through the article while filling in the 6 thinking hats worksheet, that will act as the basis to draft a story/article/report from the perspective of the chosen animal/plant.

SESSION 3 ACTIVITIES



Video: Concluding video on Human Impact on the Environment -

<https://youtu.be/0zPcR7wgh0c?feature=shared>



Writing task - part 2 - writing process:

- Students use the 6 thinking hats worksheet to carry out the writing task.
- Students may carry out additional research on their OTPC tablet.
- This process can take a number of sessions, at the teacher's discretion.