

YEAR 5 - SESSION OUTLINE #1

TOPIC

Microbes





LEARNING OUTCOMES

- 5.3.1 I can understand that microbes or microorganisms are living things that can be seen with a microscope, most of which are useful or beneficial, although some can cause illnesses and disease.
- 5.3.2 I can provide different examples of how microbes can be useful.
- 5.3.3 I can explain how some microbes/germs cause disease and relate to everyday life including washing hands before touching food, taking necessary precautions when sneezing, coughing

ADDITIONAL OUTCOMES

- I can appreciate the work of a local STEM professional: A Biomedical Scientist
- I can identify different apparatus found in a laboratory

MATERIALS NEEDED https://www.csm.edu.mt/stemmersion/

- PowerPoint: stemmersion_y5_s1.pptx
- VR expedition: Microbes: Microscopic Marvels | STEMMERSION on ExpeditionsPro App
- Laptop or OTPC tablet for research & Padlet / group
- Padlet link
- Video: Biomedical Scientist Interview
- VR Headsets

KEY WORDS

microbes, bacteria, viruses, useful/beneficial, fermentation, probiotics, illness/disease, germs hygiene, spread, various laboratory apparatus









	SESSION ACTIVITIES
	PowerPoint about beneficial and harmful microbes
	Maltese STEM Professional Video: Maltese Biomedical scientist
\bigcirc	VR expedition: Microbes: Microscopic Marvels STEMMERSION on ExpeditionsPro which can be seen through a VR headset.
	 Student-led research about microbes Students work in small groups using the OTPC tablet Students research good practices to prevent the spread of microbes and bad practices which result in the spread of microbes Students list these practices in a padlet link provided by the teacher (in preperation for session 3)

Students can revise lab apparatus by playing these games

- https://learningapps.org/display?v=p680ghz9323
- https://quizizz.com/admin/quiz/65ab81c9041e067dc779fb17?source=quiz_share



CONCLUSION