

**ANNEX 4.4 Example of an e-lesson plan**

SUBJECT: "The cell. Different types of them: Animal and plant cells. Prokaryotic and Eukaryotic cells".

OBJECTIVES:

HINT FOR THE TEACHER:

STRUCTURE:

- 1) Introduction of the topic. We provide students with the basic knowledge that is necessary to understand the class and focus on the information that they will research autonomously. We can use for instance a Prezi presentation.
- 2) Students research. We give e-learning information such as links for web pages, games, documentaries, apps, and so on, to obtain this missing information. Also social medias can be used.
- 3) Summary of the information. We ask students to sum up the information they collected, e.g. creating a class Wiki or Blog, publishing pictures on Instagram, Pinterest etc. with an appropriate description, recording a video (shared on YouTube or to the rest of the class through private messaging app such as Whatsapp, Telegram, Facebook group etc.)...
- 4) After a brief discussion, we assess the acquired knowledge and provide feedbacks to students' work.

CONTENT:

- a) The definition of Cell and Organelles:  
The pupil will look for these definitions from provided web pages such: <https://cienciaexplicada.com> , <https://www.cellsalive.com/> , and so on.
- b) The differences between plant and animal cell organelles and between Prokaryotic and Eukaryotic:  
After watching the documentary <https://www.youtube.com/watch?v=FzcTgrxMzZk> ,the pupils will complete animal, plant and bacteria cell worksheets from the link: <https://www.cellsalive.com/StudyAids.htm>
- c) The pupils will practice all the e-self learning through interactive games such as: <https://www.cellsalive.com/puzzles/matchOrganelle/index.htm> (association game)

The teacher could also create other games with platforms such as Kahoot!