



Science with a social impact: The Pesticides

ROSA OLALLA PUIGGRÒS

June 2020

SOCIAL NEEDS

Unfortunately, there is a part of the population who does not have the economical or social resources. Therefore, they do not have the same opportunities. It is important to promote an APS project in order to motivate the students in their studies.

OBJECTIVES

- 1) To evaluate the real needs of the environment and to create an APS project.
- 2) To make the different methods to fight against the plagues, as well as the toxicological characteristics of the different pesticides.
- 3) To evaluate the impact the APS project has on students and their awareness about pesticides.

BACKGROUND: THE PESTICIDES

They are substances with chemical or biological ingredients intended to repel, destroy or control any plague or to regulate the growth of the plants.



IN-PERSON ACTIVITIES

First session

- To differentiate the beneficial animals to the ones that are a plague to the environment.
- To identify the classes these animals belong to.
- To know different methods to fight these plagues: with pesticides and with non-toxic alternatives.

Second session

- To develop a pesticide from tobacco ends.
- To understand that a natural substance can be toxic.
- To understand the concept of average life of a pesticide and its toxicity.

ONLINE ACTIVITIES

Creating a Power Point with recorded images and videos of myself with the purpose of achieving the objectives of the first session.



Survey

ANSWERS

23 of the 76 students answered the survey. There was a vast diversity: the majority achieved the main concepts of the class.

FINAL THOUGHTS

- Enriching experience with students that live in conditions of social inequality.
- The realization that their situation is a close situation to all of us.
- Overall satisfaction on a personal, learning and work level