



Cofinanciado por el
programa Erasmus+
de la Unión Europea

Los alumnos de los Ciclos Formativos de Informática, Grado Medio y Grado Superior junto con los alumnos de Grado Medio de Electrónica han participado en la actividad “Learning Recycle” que se desarrolla dentro de las actividades de los Proyectos Erasmus+.

Juan Gutiérrez Palacios, Pedro P Fábrega y Lola Vázquez han sido los encargados de planificar y desarrollar la actividad.

La actividad se ha desarrollado tanto en el aula como fuera de ella.

Los objetivos y metodología usada se describen a continuación, y como resultado se ha generado un video, accesible desde el siguiente enlace <https://youtu.be/qr0yNdVBfes>



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Learning recycle

Creating objects, one second life.

Objectives

- Media- based interactive teaching and learning
- Analyzing and processing the information
- Taking initiative
- Thinking creatively
- Working collaboratively in teams
- Modernizing Science and Technology teaching in school

Age group

- 14 – 18 years

Prerequisites

- No prerequisites needed. It's up to the students to collect all the required information that is necessary for their problem situation.

Time

- +/- 200 – 250 minutes

Results

- Visit to the most important waste interpretation center in the region
- Interview with the workers of the recycling center. The video results are on the facebook page 'Erasmus – Innovative Generation'.
- Recycling of objects related to IT. The resulting photographs are on the facebook page 'Erasmus – Innovative Generation'.



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Methodology:

1. Students will answer 10 test questions on solid waste management. This activity allows familiarizing students with some concepts such as waste, the law of the three RRR, waste management.

https://docs.google.com/forms/d/e/1FAIpQLSc8T6S608gT6sZXH3Q2mcZyqdxPxph0J9blr-zC-KWhmtuH_g/viewform

2. Educational presentation with support of audiovisual material, where the correct and complete waste management generated is explaining, both in the home and in the high school. Most importantly, the talk will be interactive; the students should suggest actions to improve sustainability and will be aware of the problem of waste generation.
3. Visit to the facilities of Valsequillo, the most important waste management center in the region. Students will observe and understand:
 - a. the different phases through which the containers pass will be observed
 - b. the different infrastructures that form in the center will be explained
 - c. it will be observed how the management of resources with the minimum impact is carried out
 - d. generation of biogas
 - e. composting plant
4. Educational-participatory workshops. Recycled materials will be used to carry out workshops and no waste will be generated. The materials used are given a new life as play material and will be donated later to an NGO
5. After the visit, the following aspects will be worked on:
 - a. CIR Valsequillo
 - b. Urban Solid Waste
 - c. The three RRR
 - d. Responsible consumption
 - e. Raw materials
 - f. Types of containers
 - g. Community tip
 - h. Aluminum cans
 - i. Operation of a container classification plant
6. Recycling monitors
The high school has a large number of CRT monitors, there is a need to reuse them. Students decide to make bins in different colours in order to separate the waste generated.
7. Recycling CD
Our high school is located next to a primary school, it is decided to recycle unused CDs; toys will be made from the CDs