

Student worksheet - activity on: Green technology



Generic green skills

Cognitive competencies:

- Innovation skills to identify opportunities and create new strategies to respond to green challenges
- Systems and risk analysis, skills to assess, interpret and understand both the need for change and the measures required

Interpersonal competencies:

- Communication and negotiation skills to discuss conflicting interests in complex contexts

Technological competencies:

- Management systems (waste, energy, water)



Learning objective

You will be able to:

1. Identify green technologies used on campus
2. Identify issues that can be solved with the use of green technology
3. Suggest a green technology for any one of the identified issues



Format

Small group work



Resources needed

A3 paper, pens, colored pencils, concept information sheet



Time required

2 hours



Assessment

You will be assessed based on:

Your completed worksheets and group oral report, which will focus on innovative ideas for using green technology/ies to solve a problem.

The description of student activities

Part 1: Small group learning on campus (60 minutes)

1. Identify green technologies used on our campus.
 - a. Green technology on campus
 - b. Criteria of the green technology
 - c. How do they work?
2. Identify issues that can be solved through the use of green technology. Briefly describe them.



Part 2: Small group work in class (60 minutes)

1. According to the criteria of green technology stated in the information sheet, propose a green technology that can help deal with an identified environmental issue on campus (e.g. food waste management in the campus canteen, green office).
 - Environmental issue:
 - a. Cause and effect
 - b. Proposed green technology
 2. Work with your group to sketch your ideas as a poster on A3 paper.
 3. Present your idea: you are required to explain how the proposed green technology will work and help to solve the issue.
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