

“Smart Up Europe for an Optimistic Future”

IES Santo Domingo. El Puerto de Santa María. Spain

TUTORIAL III



CORE TOPIC: Seaweeds Workout.

How can we make our students aware of the importance of seaweeds for multiple uses?

Objectives:

- Get to know and define seaweeds.
- Classify seaweeds according to their scientific names and categories.
- Learn and be aware of the multiple uses of seaweeds to improve our living standards in an environmentalist way.
- Practice the acquired knowledge about seaweeds in their natural ecosystem.
- Rise environmental self-consciousness among our students.
- Improve their knowledge about their physical media.

DISCUSSING IDEAS

WHAT IS THIS PROJECT ABOUT?	WHAT DO STUDENTS DO IN THESE ACTIVITIES?	WHO	WHEN
<ul style="list-style-type: none"> □ Students perform different activities in classes guided by voluntary Biology secondary school teachers and Cadiz University professors/ researchers who explain our students how to classify and work with seaweeds. □ Students are given a type of seaweed which they have to describe according to its features and uses. 	<ul style="list-style-type: none"> □ Learning about physiological and structural classification of seaweeds. □ Collecting seaweeds. □ Analyse and classify one type of seaweeds into a file. □ Research the purposes of one chosen type of seaweeds. □ Group monitoring of scientific research on seaweeds. 	<p>Students:</p> <ul style="list-style-type: none"> • Who volunteer to try this project. <p>Teachers:</p> <ul style="list-style-type: none"> • Secondary School Biology teachers. • Cadiz University Professors. • Cadiz University researchers. 	<p>Throughout the school year in Biology lessons and in one school trip to pick up the seaweeds for the project.</p>

ACTIVITY PLANNING

STEPS	RESULTS
<ol style="list-style-type: none"> 1. Presenting the project to students in Biology lessons. 2. Establishing a teamwork with teachers and students. 3. Starting activities inside Biology lessons. 4. Assessing students' progress with workouts with the assistance of Cadiz University professors and researchers. 	<ol style="list-style-type: none"> 1. Students improve their awareness of the importance of seaweeds. 2. They know the different uses that seaweeds have to improve environmental issues. 3. They value their ecosystem and the several efforts we should make to protect it. 4. They show a new attitude towards their own realities.

ACTIVITIES PREPARATION

Each time our students participate in this project they must:

- Avoid negative behaviour during the activities.
- Show a positive attitude towards the different parts and lessons of the project.
- Respect the ecosystem where they find the seaweeds.
- Think in a positive way and perform all tasks being given during their interactions.

This project has been working for one year.

- The students explained this project to our Erasmus + partners in their trip to Spain last May. And we took them to go on a seaweed classifying workout in Cadiz, in La Caleta Beach.

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