

# “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"> <li>□ 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.</li> <li>□ Students are given a type of seaweed which they have to describe according to its features and uses.</li> </ul>	<ul style="list-style-type: none"> <li>□ <b>Learning about physiological and structural classification of seaweeds.</b></li> <li>□ <b>Collecting seaweeds.</b></li> <li>□ <b>Analyse and classify one type of seaweeds into a file.</b></li> <li>□ <b>Research the purposes of one chosen type of seaweeds.</b></li> <li>□ <b>Group monitoring of scientific research on seaweeds.</b></li> </ul>	<p>Students:</p> <ul style="list-style-type: none"> <li>• Who volunteer to try this project.</li> </ul> <p>Teachers:</p> <ul style="list-style-type: none"> <li>• Secondary School Biology teachers.</li> <li>• Cadiz University Professors.</li> <li>• Cadiz University researchers.</li> </ul>	<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"> <li>1. Presenting the project to students in Biology lessons.</li> <li>2. Establishing a teamwork with teachers and students.</li> <li>3. Starting activities inside Biology lessons.</li> <li>4. Assessing students' progress with workouts with the assistance of Cadiz University professors and researchers.</li> </ol>	<ol style="list-style-type: none"> <li>1. <b>Students improve their awareness of the importance of seaweeds.</b></li> <li>2. <b>They know the different uses that seaweeds have to improve environmental issues.</b></li> <li>3. <b>They value their ecosystem and the several efforts we should make to protect it.</b></li> <li>4. <b>They show a new attitude towards their own realities.</b></li> </ol>

### 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 seaweeds classifying workout in Cadiz, in La Caleta Beach.

