

## 2. Problem identification:

“Plogging at the beach”: Marine Litter in coastal dunes<sup>2</sup>

**ESCOLA SECUNDÁRIA DE PAREDES-TEAM (PORTUGAL):**

**Topic:** Natural sciences and sports

**Description:** Through a group walk collect coastal and marine litter. identify types of marine litter materials and separate it according to municipal classification ( glass, metal, paper, cardboard, organic, packaging, plastics, fabrics, others). Simultaneously, practice physical endurance of students while walking and being active outdoors suitable for students aged between 12-18 years.

**Aims:** Design a walking on a selected beach and while walking collect waste from the beach

- Clean up the beach using a protocol and learn about different materials polluting the environment.

- Be more aware about the marine pollution and the effects on marine and coastal life

**Outcomes:** Remove marine litter and coastal debris from a beach area, identify it by type and separate it accordingly . Be more aware about marine pollution and look for further actions to improve the situation and do something more about it.

**Activities:**

Title	Procedure	Time (min)
Presentation	Explain to the groups what areas they can collect rubbish following the health and security protocol. ( See annexes). Do not disturb fauna and flora species on sand dunes. <b><u>Do not make this activity during bird nesting season to avoid disturbing them during this time.</u></b> Use different color bags to collect and separate litter.	15'
Workgroup	Divide the whole class o classes in Groups of 4 to 6 students	60'

<sup>2</sup> “Plogging” is a new word, a combination of [jogging](#) with Picking up [litter](#).



	<p>Average students per one teacher 12 students After the field work, go back to the classroom, classify and count ALL collected waste using the protocol (see annex) Send the waste for recycling using municipal or school appropriated containers. Make graphs and a ppt presentation to show others the results (use the presentation guide model showed in the annex of this document)</p>	
<b>Discussion</b>	<p>This initiative projects raise awareness of environmental issues and can lead to positive changes in behaviors and attitudes. What else can be done by the municipality? By the fishing community? By the visitors? By other schools near the coast? By the enterprises? By the plastic manufacturers ? By the packaging producers? And so on..</p>	<b>45'</b>
<b>Presentation</b>	<p>Conclusions and suggestions from participants. A step to action : a presentation to the municipality or to the local community showing them the findings</p> <p>Most found waste types. Graphs , statistics, sources of pollution and responsible.</p> <p>Make a presentation to different classes at school, and other nearby educational centers to show the results .</p>	<b>30'</b>



Logistics for beach hand on activities

