

Plastic ocean

1 Overall aims:

Cognitive (C)

- Know the plastic problem in nature
- Understand the need to protect aquatic ecosystems
- Discover the importance of marine life as a source of human food
- Know how to make a video file and explain a story

Affective (A)

- Respect for the sea life

2 Vocabulary - keywords

Science: oceans, seas, fish, algae, marine life, aquatic birds

Sustainability: marine resources, plastic problems, recycling

Art: digital expression, creativity

3 Sustainable abilities developed

- Critical thinking
- Systemic thinking

4 Pillars of sustainability included

- **Environmental:**
 - Know the plastic problem in nature
 - Respect, to take care of the sea life
 - Understand the need to protect aquatic ecosystems
- **Social**
 - Discover the importance of marine life as a source of human food
 - Understand that protect biodiversity and animal's health is protect human's health
- **Economic:**
 - Benefits of recycling and new ways of packaching in industry

5 STEAM domains

Science skills (aquatic ecosystems, marine life)

Artistic skills (digital expression, creativity)



6	<h2 style="margin: 0;">Teaching methodologies/activity outline</h2> <p>STEPS</p> <ol style="list-style-type: none"> 1. Watch the video “A Whale’s Tale” (see link in source section). 5’ (Teacher). All the group 2. Create a story to tell parents about what you have seen. 30’ (Teacher). All the group 3. Record a video explaining the story created to your parents and share it with all the students. 2-3’ Each student
7	<h2 style="margin: 0;">Expected learning outcomes</h2> <p>The child will be able to:</p> <ul style="list-style-type: none"> • recognize plastic problems in oceans • relate plastic waste and damage to the sea life • recognize the sea as a livelihood • recognize the importance of recycling • record a short video and explain a story
8	<h2 style="margin: 0;">Assessment</h2> <p>(C)</p> <ul style="list-style-type: none"> ✓ Does he/she recognize plastic problems in oceans? ✓ Does he/she know plastic damages sea life? ✓ Does she/he know the importance of recycling? ✓ Does she/he know how to make a video file and show creativity? <p>(A)</p> <ul style="list-style-type: none"> ✓ Does she/he show respect for sea life and understand connections with humans’ life?
9	<h2 style="margin: 0;">Equipment and materials to be used in learning unit (tools, ingredients, etc.)</h2> <ol style="list-style-type: none"> 1. Video file 2. Notebook and markers 3. Mobile device
10	<h2 style="margin: 0;">Kind of setting - lab, kitchen, outdoor etc.</h2> <ol style="list-style-type: none"> 1- Classroom 2- Classroom 3- Classroom-Home





11 References - source:

<https://www.youtube.com/watch?v=xFPoIU5iiYQ>



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