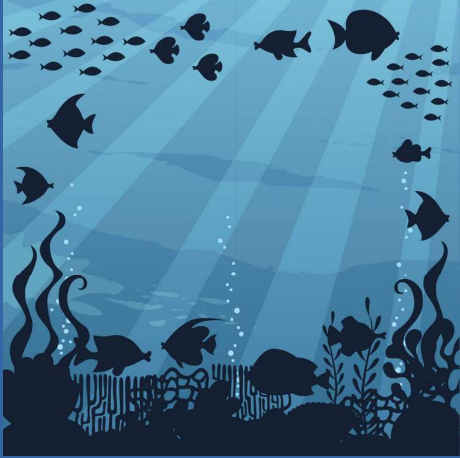


SDG 14 Ocean Literacy Lesson



Science,
Geography
Global Citizenship

Lesson 6 Beach Clean up

Focus: SDG 14.1
Life Below Water

Lesson Title & Summary: Clean Up

In this lesson, learners will further develop their awareness of the impact of pollution on the ocean and take action to help restore ocean health. The learners' first hand experience will be used to develop observational skills including data gathering and analysis.

Vocabulary: Crowd-sourcing; Collaborative action; Data gathering and analysis; Observation

In this lesson the learner, will:

- increase their ocean literacy skills
- increase understanding of humans influence on nature and the ocean
- work collaboratively in field work
- participate in Citizen Science
- practice independent & group work
- develop mindful reflection skills

Materials:

- Sacks or buckets for litter collection items
- Gloves for litter picking
- Hand sanitiser
- Clean Coasts litter observation cards/ Litterati app
- Pens & colouring pens
- Clipboards
- A4 Paper
- Post it notes
- Access to beach - low/outgoing tide preferable
- In-class access to the Internet

4 QUALITY
EDUCATION



11 SUSTAINABLE CITIES
AND COMMUNITIES



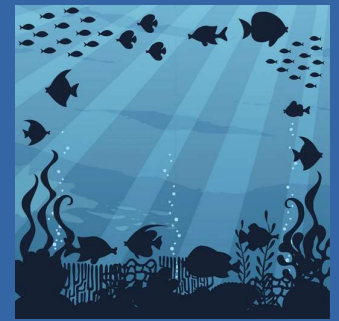
13 CLIMATE
ACTION



14 LIFE
BELOW WATER



SDG 14 Ocean Literacy Lesson



Activity 1 – Introductory video & Mockumentary on plastic bag life cycle (10 mins)

See media box for links

- 1) Show learners the videos to activate their prior knowledge on ocean plastic pollution.
- 2) Ask them to share their ideas and opinions on the messaging of each video. What were the objectives of the videos?

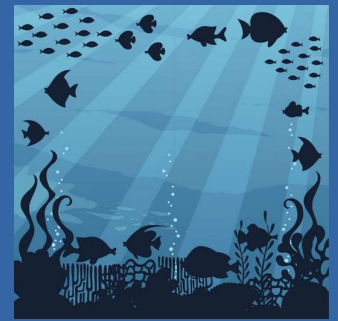
Activity 2- Beach clean (40 mins)

- 1) Walk to nearest beach or shoreline (adapt to location) and give learners an overview of safety/ hazards at the beach.
- 2) Divide learners into pairs or small groups and give each group a bag/gloves and the Clean Coast observation cards/clipboard/pen.
- 3) Review the observation cards and how to complete them and give learners 15 minutes to clean the beach.
- 4) After the set time, meet back as a group and ask learners to share the most common item of litter they found and the most interesting one. Was there many recyclable items found?
- 5) Collect the Clean Coast observation cards and return to class.

REFLECTIVE EXERCISE: 3-2-1 End Of Lesson (10 Mins)

- Three things they feel they have learnt from the lesson and tasks
- Two things they found most interesting and would like to explore more
- One – their opinion they have about the lesson and tasks

SDG 14 Ocean Literacy Lesson



Extension / Reduction Activities:

Reduction: For a shorter class, go straight to the beach and use the walk to refresh learners' knowledge about ocean plastic pollution by asking them review questions about previous lessons.

Extension: For a longer class, spend longer on the beach clean or return to class and show learners the extra videos in the multimedia box.

Research local beachcombers, Tidy Towns or Sick of Plastic campaigns and see what interesting items they have found on their local beaches or a beach near you - link to SDG 4 supporting skills, Problem to Pitch - Marine Plastic waste module or Media communication module for skills based learning options.

MULTI-MEDIA BOX: (materials, online video links, extra resources, case studies etc.)

- **Video for introduction (5 mins)** <https://www.youtube.com/watch?v=GLgh9h2ePYw>
- **Mockumentary on plastic bag life cycle (5 mins)**
<https://www.youtube.com/watch?v=GLgh9h2ePYw>
- Litterati App building the most powerful crowd-sourced set of data on litter ever assembled <https://www.litterati.org>

Extension lesson media

- **Ducks Overboard (3 mins)** <https://www.youtube.com/watch?v=fjxLIMF2Fq0>
- **The epic journey of the plastic ducks (3 mins)**
<https://www.youtube.com/watch?v=AvchlWftt80&feature=youtu.be>

LOCAL EXPERTISE/ TRIP SUGGESTIONS

- South Kerry: Sound Bounce – up-cycled musical instruments incl. drums using fishing net, sails and bicycle tyres.
- National Beach litter investigation indoors - plan a virtual session with SDG 14 module developer, Lucy Hunt, Sea Synergy.