

**11-13 year old**

**The Ocean, 8-12 lessons**

**Objectives:**

- ❖ Learn about the ocean - the water - Clean water - Clean ocean
- ❖ Learn about sorting waste and its impact on the environment.
- ❖ Explain the difference between clean and polluted water, what can be done to reduce water pollution.
- ❖ Become aware of the use and protection of resources and the environment, how each person can contribute to protection.
- ❖ Understand how climate and vegetation affect habitat and living conditions.

**Materials Needed: /**

<https://www.youtube.com/watch?v=cwTDvqagPIM&t=663s>

- <https://teamseas.org/>
- <https://www.youtube.com/watch?v=HPJKxAhLw5I>

**Lesson structure:**

**Prologue:**

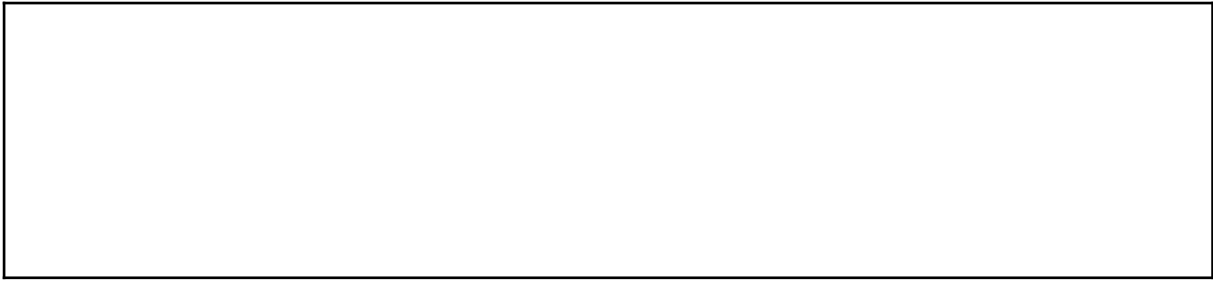
<https://www.youtube.com/watch?v=cwTDvqagPIM&t=663s>

**Assignment:**

- Do the tasks in the Hafid e-book
  - Create an effective presentation on posters that are carried around the school to influence the mindset of those we present to. It is good to keep in mind which class the presentation will be for. In order to reach them well. You can find a short video to have at the beginning of the presentation.
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- Come up with ideas for improvements
- What are we doing well and doing more of?
  - What are we doing badly and need to improve?
  - What are the effects of bad relationships with people?
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- Draw the cycle of water with clean soil and with contaminated soil (Chernobyl can be viewed in that context).
  - Birds ingest a lot of plastic, equivalent to 3-5 kg of plastic in a human. How can plastic be reduced in our environment?
  - Ocean currents examined to understand how far they can carry objects. (Pooed in the pool)

**Ideas for executing assignment:**

- Create presentations about the ocean and the effects of plastic in the ocean. Introduce students to our school and thus influence them.
- Organize events and get elementary schools all over the country to participate in Plokk Day along the coasts of the country. Each school weighs how much trash is picked up that day.
- Plant trees and receive education about the positive effects of planting, while learning about carbon offsets and soil erosion.
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**Assessment:**

- Self assessment
- Concept map - water cycle - clean - polluted
- Student participation in Plokk day along the coasts of the country
- Planting
- Reflections on the sorting of rubbish, our impact on the environment, greenhouse effect, climate change