Save Our Seas

1 Main objectives

-To deepen understanding of the importance of Ocean health
-To deepen understanding of their own place in the ecosystem
-To develop a researched based and value based standpoint on sustainability
_To encourage children to take responsibility for Ocean Health

2 Vocabulary – Keywords

Equator, pressure, evaporation, precipitation, habitat, biodiversity, water quality

3 Sustainability skills developed

Systemic thinking

Self-awareness

Anticipatory

Problem solving

Normative competence

Collaboration

.

4 Pillars of sustainability included

Ecological: Understanding the importance of Ocean health
Social :Know how human actions affect the sustainability of the planet.
Economical : understanding the importance of responsible consumerism

5 STEAM domains

Science, Technology, Math

6 | Methodology

The teacher assigns a documentarian.
The teacher activates prior knowledge by starting a discussion about the ocean health. "
have you ever been to the seaside? Have you ever swam in the sea? What did you see? What
did you find on the beach?'

The teacher and children build a model of the sea side.
The teacher starts out by adding in all the elements that belong in the sea.

Then the teacher and children add oil mixed with cocoa and plastic debris.

The teacher and the children then take out the stones, shells and pretend creatures one by one and clean them. They then try and scoop the oil and cocoa off the top.

7 Expected learning outcomes

The child will be able to:

Develop their standpoint on sustainability issues

Understand the effect of human actions on the planet.

Understand that people have a responsibility to protect the environment

Understand that positive transformation is possible

Build a model

8	**Assessment**
	The teacher assesses learning through attuned interactions, play episodes and reviewing footage gathered by the documentarian.
9	**Equipment and materials to be used in the learning unit (eg: tools, ingredients, etc.)**
	Camera, choice of writing tools, A basin Shells Stones Sand Toys that represent sea creatures Water Olive oil cocoa
10	**Environment type: laboratory, kitchen, outdoor** Classroom and garden
11	References – sources: https://www.naturalbeachliving.com/water-pollution-activities/ Authors: Paula Kelly, Trish Mclaughlin, Laura Dunne