

1.0 INTRODUCTION

My projects are :

- a) creating a website that contains all the information including educational game (puzzle, wordle, wordsearch) and quiz about Sustainable Development Goal 14 : Life Below Water.

Here are the link to the website : <https://aleadalili.com>

- b) Scratch game : <https://scratch.mit.edu/projects/988690234>

2.0 WEBSITE



This images above show the front page of the website. There are five sections on the front page which are:

- a) Navigation menu header
- b) Banner
- c) Sub Topic
- d) Author
- e) Footer

2.1. NAVIGATION MENU HEADER

The navigation header are divided by the topic :

- a. Home
- b. Sollution
- c. Impact
- d. SDG 14
- e. Game
- f. Quiz



SDG14 **GAME** ▾ QUIZ

PUZZLE :STOP
PLASTIC
POLLUTION

GUESS THE WORD

WORD SEARCH:
SAVE THE OCEAN

CONSERVE AND SUSTAIN

HOME SOLUTION ▾ IMPACT ▾

SUSTAINABLE
DEVELOPMENT
GOAL 14: LIFE
BELOW WATER

SDG14 **GAME** ▾ QUIZ

HOW TO CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS, AND MARINE RESOURCES

Conserving and sustainably using the oceans, seas, and marine resources for sustainable development involves a combination of policies, practices, and international cooperation. Here are several key strategies:

1. **Implementing Marine Protected Areas (MPAs):** Establishing MPAs helps to conserve marine biodiversity, protect critical habitats, and promote sustainable fisheries. These areas can range from fully protected marine reserves to zones with varying levels of allowable activities.
2. **Sustainable Fisheries Management:** Implementing science-based fisheries management practices, such as setting catch limits, regulating gear types,



SUSTAINABLE SEAFOOD GUIDE



Navigating the Seas: A Sustainable Seafood Guide for Responsible Dining

In an era where environmental concerns are at the forefront of global discourse, sustainable seafood practices have become imperative. As consumers, we hold the power to drive change through our choices, particularly when it comes to dining habits. However, navigating the murky waters of seafood sustainability can be daunting without proper guidance. Hence, a comprehensive sustainable seafood guide is essential to empower consumers to make informed decisions.



BLUE ECONOMY INNOVATION



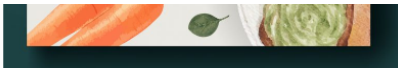
Advancing Sustainable Development Goal 14: Exploring Blue Economy Innovations

Sustainable Development Goal 14 (SDG 14), "Life Below Water," aims to conserve and sustainably use the oceans, seas, and marine resources for sustainable development. Central to achieving this goal is the concept of the blue economy, which emphasizes sustainable use of ocean resources for economic growth, improved livelihoods, and ocean health. In this article, we delve into innovative approaches within the blue economy that contribute to the realization of SDG 14.

Harnessing Renewable Energy: One of the key innovations in the blue economy is the harnessing of renewable energy sources from the ocean. Technologies such as tidal energy, wave energy converters, and offshore wind farms hold immense potential to generate clean energy while minimizing environmental impacts. These initiatives not only reduce reliance on fossil fuels but also contribute to mitigating climate change, thereby safeguarding marine ecosystems and biodiversity.

Aquaculture and Sustainable Fisheries: Aquaculture, or the farming of aquatic organisms, presents opportunities for sustainable food production and economic development. Innovations in aquaculture techniques, such as integrated multi-trophic aquaculture (IMTA) systems and land-based recirculating

SEAFOOD RECIPE



Sustainable seafood choices not only support healthy oceans but also offer delicious culinary opportunities. With these eco-friendly seafood recipes, you can savor the flavors of the sea while knowing that you're making a positive impact on the environment. From appetizers to main courses, these dishes showcase the bounty of sustainable seafood in a variety of delectable ways.

1. Seared Scallop Salad with Citrus Dressing:

- Ingredients:
 - Fresh scallops (sustainably sourced)
 - Mixed greens (such as arugula and spinach)
 - Citrus fruits (orange, grapefruit)
 - Olive oil
 - Lemon juice
 - Salt and pepper
- Instructions:
 1. Pat dry scallops and season with salt and pepper.
 2. Heat olive oil in a skillet over medium-high heat. Sear scallops until golden brown on each side (about 2 minutes per side).
 3. In a bowl, toss mixed greens with citrus segments.
 4. Whisk together lemon juice, olive oil, salt, and pepper to make the dressing.
 5. Arrange seared scallops on top of the salad and drizzle with the citrus dressing.

2. Grilled Sustainable Salmon with Herb Quinoa:

- Ingredients:
 - Sustainable salmon fillets

IMPACT



GOAL 14: LIFE
BELOW WATER

THE IMPACT OF BEING UNABLE TO SUSTAIN LIFE BELOW WATER

The impact of being unable to sustain life below water would be significant and far-reaching, affecting both ecosystems and human societies. Here are some key impacts:

1. **Loss of Biodiversity:** Oceans, rivers, and lakes support incredibly diverse ecosystems, providing habitat for millions of species. If we cannot sustain life underwater, it would lead to a loss of biodiversity as various species are unable to survive or adapt to changing conditions. This loss of biodiversity can disrupt entire food webs and ecosystems.



STOP OCEAN PLASTIC POLLUTION



DEVELOPMENT
GOAL 14: LIFE
BELOW WATER

STOP OCEAN PLASTIC POLLUTION

PLEASE, KEEP THE SEA
PLASTIC FREE

Stopping plastic ocean pollution requires a multifaceted approach involving individuals, communities, governments, and businesses. Here are several steps that can be taken:

1. **Reduce Single-Use Plastics:** Single-use plastics, such as straws, bags, bottles, and packaging, contribute significantly to ocean pollution. Encourage individuals and businesses to reduce their consumption of these items by using alternatives like reusable bags, bottles, and containers.
2. **Proper Waste Disposal:** Ensure proper disposal of plastic waste by recycling whenever possible. Implement effective waste management systems, including recycling programs and proper landfill management, to prevent plastic from ending up in the ocean.
3. **Promote Education and Awareness:** Educate the public about the environmental impacts of plastic pollution on marine ecosystems. Raise awareness about the importance of reducing plastic use, proper waste disposal, and the consequences of littering.
4. **Support Legislation and Policy Changes:** Advocate for policies and regulations aimed at reducing plastic pollution, such as bans on single-use plastics, implementing extended producer responsibility (EPR) programs, and promoting sustainable alternatives.
5. **Clean-up Initiatives:** Support and participate in beach clean-up efforts and community-driven initiatives to remove plastic debris from coastlines and waterways. These activities help prevent plastics from entering the ocean and harming marine life.
6. **Innovative Solutions:** Invest in research and development of innovative technologies and solutions to address plastic pollution, such as biodegradable plastics, ocean cleanup technologies, and alternatives to traditional plastic materials.
7. **Corporate Responsibility:** Encourage businesses to adopt sustainable practices and reduce their use of plastic packaging. Hold corporations accountable for their environmental impact and support companies that prioritize sustainability.
8. **International Cooperation:** Foster international cooperation and collaboration to address plastic pollution on a global scale. Support initiatives like the United Nations' Clean Seas campaign, which aims to reduce marine litter and protect the oceans.
9. **Consumer Choices:** Encourage consumers to make environmentally conscious choices by supporting products and brands that use sustainable packaging and materials.
10. **Research and Monitoring:** Invest in scientific research and monitoring programs to better understand the sources, distribution, and impacts of plastic

SDG 14 : LIFE BELOW WATER



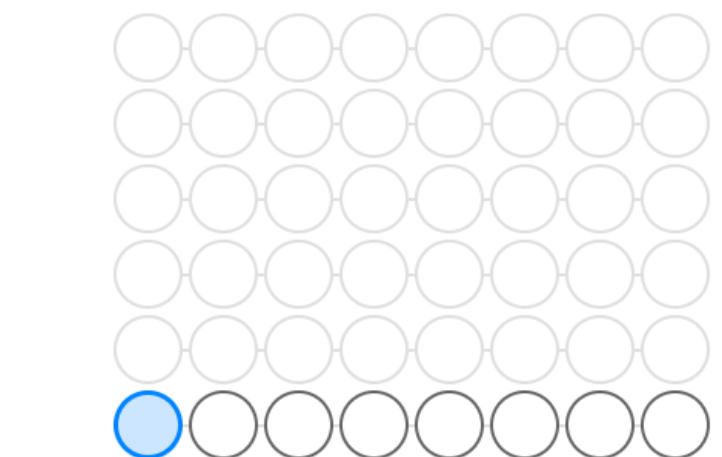
SDG 14 aims to conserve and sustainably use the oceans, seas, and marine resources for sustainable development. With over 70% of the Earth's surface covered by oceans, these vast bodies of water play a crucial role in regulating the planet's climate, providing food and livelihoods for millions of people, and supporting biodiversity.

Key Targets of SDG 14

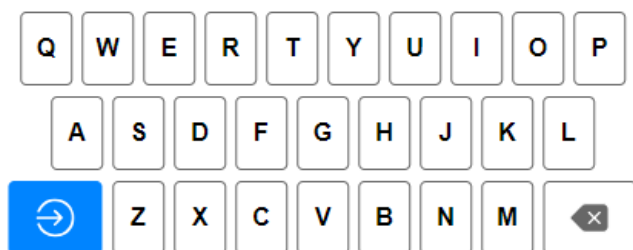
1. **Conserve and sustainably use marine resources:** Protect marine and coastal ecosystems from degradation, overfishing, and pollution. Promote sustainable fishing practices and marine conservation efforts to ensure the long-term health of marine ecosystems.
2. **Reduce marine pollution:** Take action to prevent and significantly reduce marine pollution, including plastic pollution, nutrient runoff, and oil spills. Implement measures to improve waste management and reduce the amount of plastic entering our oceans.
3. **Protect marine biodiversity:** Conserve and restore marine ecosystems, including coral reefs, mangroves, and seagrass beds. Promote the sustainable management of marine protected areas to safeguard biodiversity and ecosystem services.
4. **Enhance ocean resilience:** Strengthen the resilience of coastal communities and marine ecosystems to the impacts of climate change, including sea-

PUZZLE





Powered by **PuzzleMe™**



SEARCH THE WORD



E C P C E U L B S G
L I O I L T N C O E
G F L T P I U H N I
N I L E W T M E U R
I T U A C T R A E O
S N T S E G L L T L
E E I I Y I U N E E
R I O R I T C G C L
N C N F I S H I N G
O S F I F N N W O N

Save The Ocean by hitomi nik
Powered by [PuzzleMe™](#)

The economy offers a pathway towards achieving Sustainable Development Goal 14 by promoting

Mitigating change and adapting to its impacts are crucial for the health of marine ecosystems.

One of the key innovations in the blue economy is the harnessing of renewable sources from the

undermines sustainable fisheries management efforts.

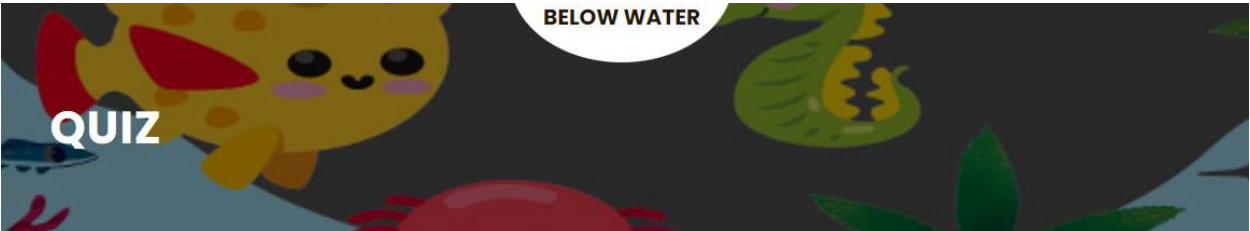
Implementing measures to reduce land-based sources of , such as agricultural runoff, plastic waste, and

Invest in research and monitoring programs to better understand the distribution

use plastics, such as straws, bags, bottles, and packaging, contribute significantly to ocean pollution.

Sustainable Development Goal 14 (SDG 14), 'Life Below ', aims to conserve and sustainably use the

QUIZ





2.2. BANNER

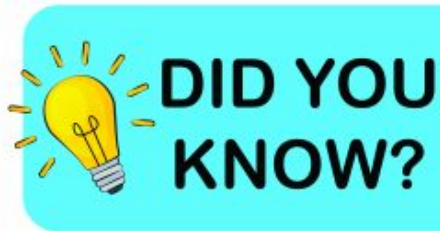
The banner shows the turtle entangled with the plastic. We need to stop plastic pollution.



2.3. SUB TOPIC

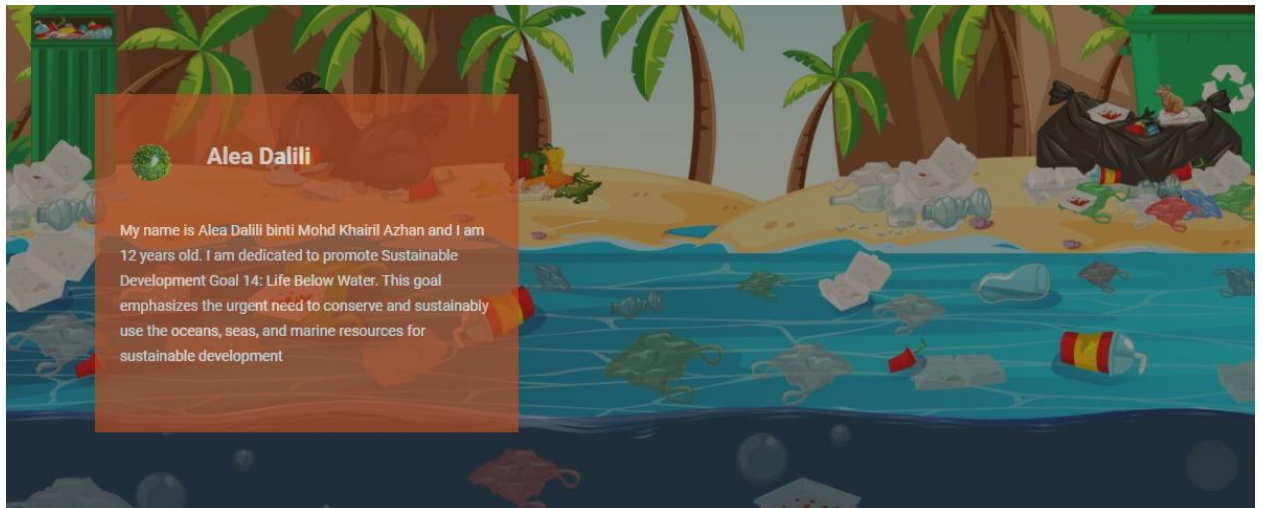


DID YOU KNOW

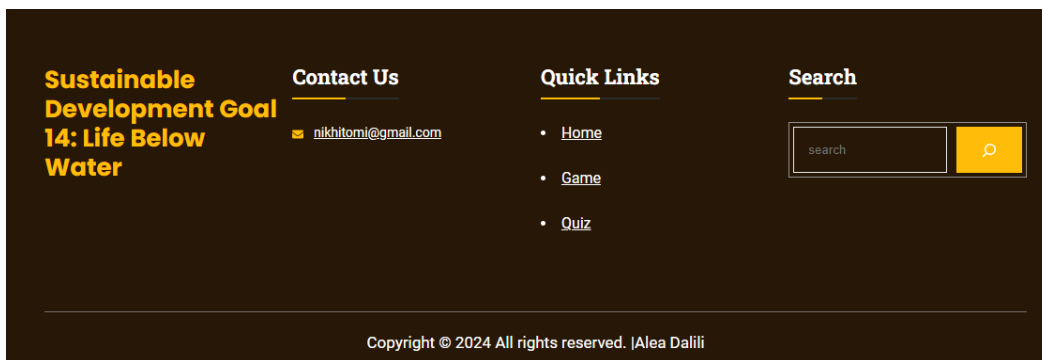


1. Only 9% of all plastic produced is recycled
2. A whopping 2 million plastic bags are used every minute worldwide
3. Single-use plastics are illegal in some parts of the world
4. Every minute of every day a truckload of plastic is dumped into the ocean
5. 73% of beach litter worldwide is plastic
6. One million plastic bottles are bought every minute
7. There could be more plastic than fish in the ocean by 2050
8. Up to 95% of plastic polluting oceans is carried by 10 rivers
9. 99% of seabirds will be eating plastic by 2050
10. The average person eats 70,000 microplastics each year
11. The average time that a plastic bag is used is just 12 minutes
12. Over the past 50 years, world plastic production has doubled

2.4. DEDICATION



2.5. FOOTER

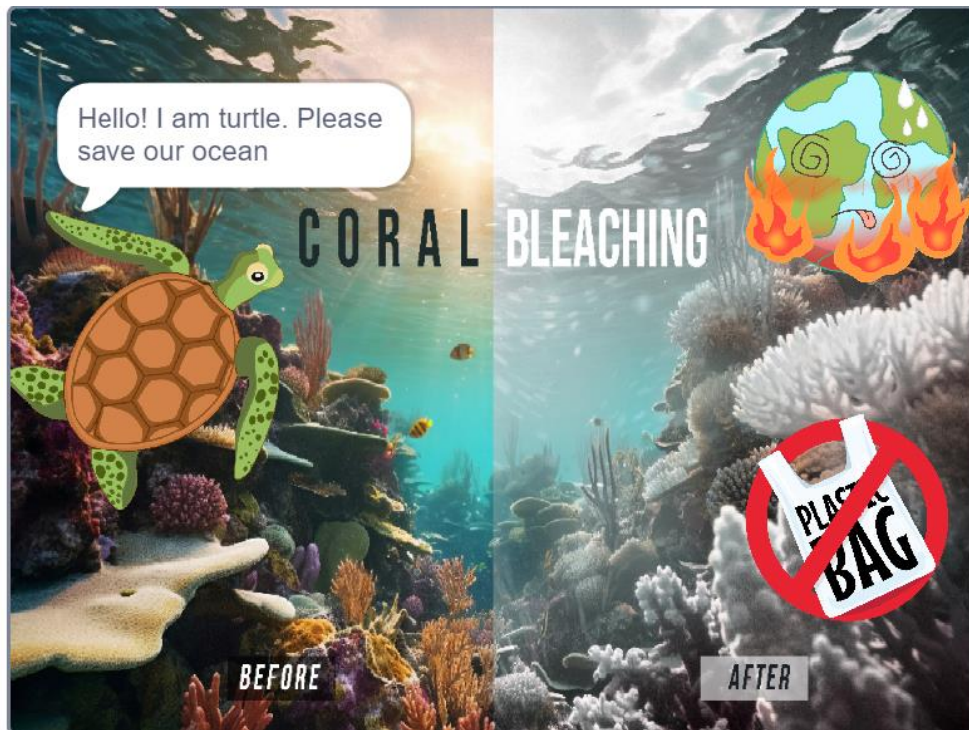


3.0 SCRATCH GAME

Link to scratch game : <https://scratch.mit.edu/projects/988690234>

Game 1: Use left, right, up and down arrow key to move the turtle. Avoid plastic bag so that turtle not entangled. Get 100 score and you win. Game 2 : Use mouse to drag the turtle for being eaten by shark. Get to level 10 then you win.

INTRODUCTION



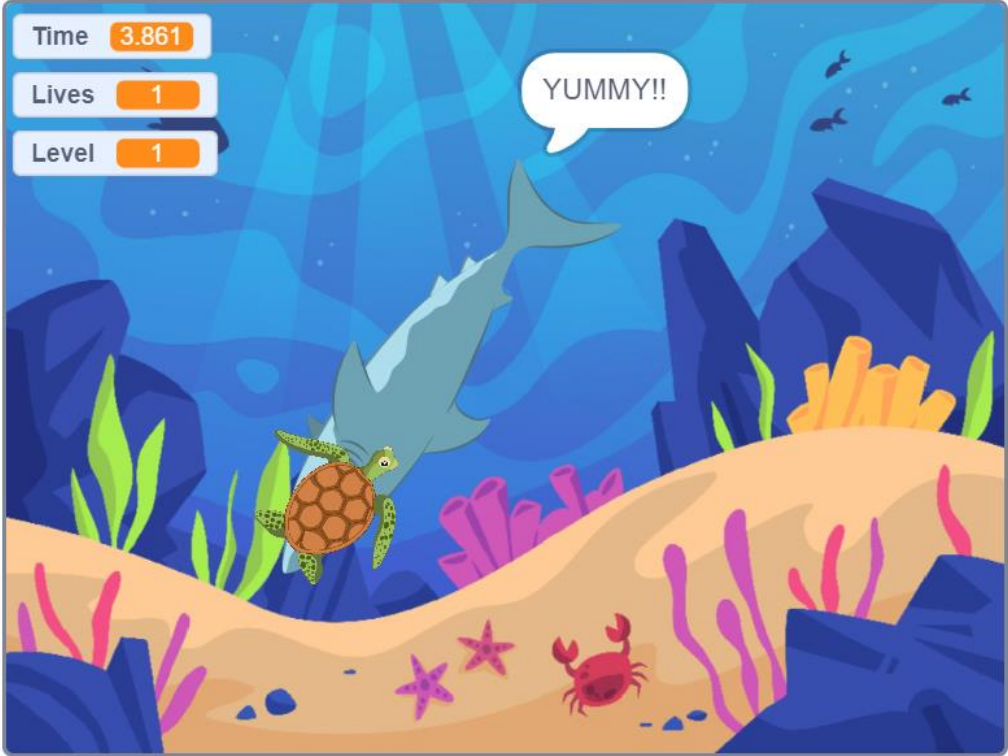
INSTRUCTION



GAME 1



GAME 2



4.0 SUMMARY

In conclusion, the Sustainable Development Goal 14 presents us with a clear mandate: to preserve and protect life below water for the benefit of present and future generations. By raising awareness, reducing plastic pollution, promoting sustainable fishing practices, conserving marine habitats, and recognizing our interconnectedness, we can create positive change in our communities and contribute to a healthier, more sustainable future for our planet.

As a student, we can begin to educate ourselves and others. Remember, even small actions can have a big impact when it comes to protecting the ocean. By taking steps to reduce your environmental footprint and raise awareness, we can help preserve this vital ecosystem for future generations.