

Article:

Cleansing Plastic From Oceans: Big Ask for a Country That Loves Wrap



Plastic-bottled soft drinks at a Seven-Eleven store in Yokohama.
Koji Sasahara/Associated Press

Part A: Ocean Literacy Principle #6: The ocean and humans are inextricably interconnected.

Part B: In this article it talked about Japan and how it is known to have the cleanest streets but that the ocean is massively polluted with plastic. If people were ocean literate, they would understand that polluting the ocean with plastic will start trapping marine animals leading them to dead. They would also understand that these animals may eat the plastic and, in the future, may end up in us as well. When the animals start to die off the ecosystem will be out of order and those who depend on the ocean for food will have to struggle to find another means to live.

Source:

Rich, M. (2019, June 27). Cleansing Plastic From Oceans: Big Ask for a Country That Loves Wrap. Retrieved July 25, 2019, from https://www.nytimes.com/2019/06/27/world/asia/japan-g20-plastics-pollution.html?rref=collection/timestopic/Oceans&action=click&contentCollection=science&ion=stream&module=stream_unit&version=latest&contentPlacement=2&pgtype=collection

Article:

Among 4 Endangered Whales That Died This Month

The North Atlantic right whales all were found in the Gulf of St. Lawrence recently, dealing a setback to the shrinking population.



Part A: Ocean Literacy Principle #5: The ocean supports a great diversity of life and ecosystems.

Part B: In this article it talked about the North Atlantic right whales and how all of these species' deaths ended by human cause. The whales have been killed by ships, tangled in fish nets, and some cut by propellers on the boat. These whales are also dying from the lack of food having to travel far north away from warm waters. If people reading this were ocean literate, they would understand that these animals are dying and going extinct because of humans. People would be more aware of what companies add into the air to cause global warming, clean up after themselves by not leaving fishing nets in the ocean, and keep ships away from the breeding grounds of these animals.

Source:

Weintraub, K. (2019, June 26). Grandmother and Grandfather Among 4 Endangered Whales That Died This Month. Retrieved July 25, 2019, from <https://www.nytimes.com/2019/06/26/science/right-whale-death-endangered-species.html?rref=collection/timestopic/Oceans>

Article:

Glimpsing Our Post-Consumption Future at the Cooper Hewitt

The Design Triennial envisions the possibilities for algae, yeast and other nonpolluting materials. Will they help save the planet?



Part A: Ocean Literacy Principle #6: The ocean and humans are inextricably interconnected.

Part B: In this article, it talks about the benefits the ocean has to help the environment. Scientist have started to use bacteria and algae instead of extracting fossil fuels. If more people were ocean literate, they could see that the ocean is able to provide an alternative use of energy and practice using biosynthesis. Some have found they can emit light using bacteria in clothing and containers. Other people have found left over algae vessels to useful as cups while some have figured out how to use bacteria to alter the DNA to cure illnesses. The ocean has much biodiversity that can be used as a resource instead of damaging the ocean.

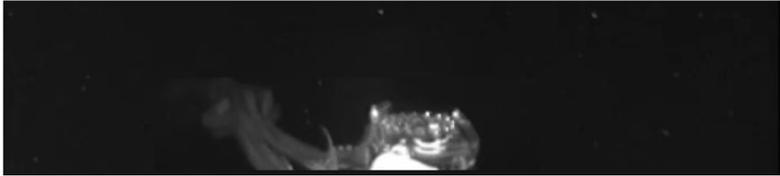
Source:

Russell, J. S. (2019, July 25). Glimpsing Our Post-Consumption Future at the Cooper Hewitt. Retrieved July 25, 2019, from https://www.nytimes.com/2019/07/25/arts/design/nature-climate-change-cooper-hewitt-review.html?rref=collection/timestopic/Oceans&action=click&contentCollection=science&ion=stream&module=stream_unit&version=latest&contentPlacement=1&pgtype=collection

Article:

Giant Squid Reappears on Video, This Time in U.S. Waters

Seven years after scientists caught the elusive deep-sea cephalopod on video, they saw another. Then lightning struck a third time.



Part A: Ocean Literacy Principle #7: The ocean is largely unexplored.

Part B: In this article, it talked about seeing another giant squid. The one they saw a second time was roughly ten feet long, but they can grow to forty feet long. Some people reading this would be in disbelief that there are giant marine animals in the ocean that are glowing. An ocean literate would be amazed that gigantic large creatures live under us, but they would also know that humans know little about what lives in the deep sea. There could be many animals that humans thought to be extinct living below and growing in unimaginable sizes. They would also understand that human caused pollution will be deep in those animal's territory and could be killing them off before being discovered.

Source:

Jarvis, B. (2019, June 21). Giant Squid Reappears on Video, This Time in U.S. Waters. Retrieved July 25, 2019, from https://www.nytimes.com/2019/06/21/science/giant-squid-cephalopod-video.html?rref=collection/timestopic/Oceans&action=click&contentCollection=science&ion=stream&module=stream_unit&version=latest&contentPlacement=5&pgtype=collection

Article:

What's Killing Pacific Whales?

Emaciated gray whales are washing ashore dead. Scientists are trying to solve the mystery.

By Heidi Cullen, Andrew DeVogelaere and John Ryan

Drs. Cullen, DeVogelaere and Ryan are scientists.

June 22, 2019



Part A: Ocean Literacy Principle #5: The ocean supports a great diversity of life and ecosystems.

Part B: In this article, it talked how a large number of gray whales dying. An ocean literate would be concerned as to why this is happening. In the ocean there are all kinds of animals depending on the ocean to live. As years go by, global warming speeds the rate of sea ice melting. The sea ice helps grow the algae needed for amphipods to eat so the whales have a food source. Ocean literates would understand that these whales will go extinct soon if nothing is done to prevent temperatures from rising and the ocean increasing in acidity. Just as the animals depend on the ocean, we to depend on it.

Source:

Cullen, H., Devogelaere, A., & Ryan, J. (2019, June 22). What's Killing Pacific Whales? Retrieved July 25, 2019, from https://www.nytimes.com/2019/06/22/opinion/sunday/dead-whales-pacific.html?rref=collection/timestopic/Oceans&action=click&contentCollection=science&ion=stream&module=stream_unit&version=latest&contentPlacement=4&pgtype=collection

Article:

The Concrete Jungle Has 578 Miles of Shoreline at Risk

New York City's safety and economy depend on the surrounding sea.

By Ayana Elizabeth Johnson

Dr. Johnson, a Brooklyn native, is a marine biologist.

May 27, 2019



Part A: Ocean Literacy Principle #6: The ocean and humans are inextricably interconnected.

Part B: In this article, it talks about NY and how they need to replenish the oyster community. New York has learned that major storm surges can flood the state and cause much damage. Ocean literate people would see that people have benefited from the cost of oysters financially, but they have been overharvest. Due to this, the oyster reefs are no long able to be a barrier for the state to over flood during a storm surge. Ocean literates would see that humans benefit from the ocean and its animals because it provides food, finances from tours, but most importantly protection by the creatures living in it.

Source:

Johnson, A. E. (2019, May 27). The Concrete Jungle Has 578 Miles of Shoreline at Risk. Retrieved July 25, 2019, from https://www.nytimes.com/2019/05/27/opinion/ocean-climate-new-york.html?rref=collection/timestopic/Oceans&action=click&contentCollection=science&ion=stream&module=stream_unit&version=latest&contentPlacement=1&pgtype=collection