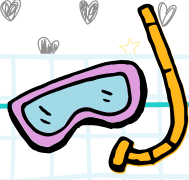
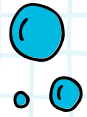




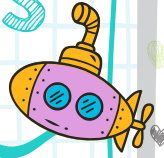
GoldieBlox.



# INTERNATIONAL DAY OF THE GIRL



## Diving deep with **Allison Fundis** Deep Sea Explorer



**Allison Fundis** is a deep sea explorer whose job requires her to live on ships while conducting research expeditions around the world. The ocean is 85 percent unexplored, so there is a lot to uncover from new species to shipwrecks to underwater volcanoes. Allison and her team use robotic vehicles equipped with cameras to search thousands of feet underwater. Earlier in her career, she was often the only female at sea for eight-week-long expeditions.

Things have changed drastically since then and her research ship now proudly has equal representation of women and men.

Amelia Earhart has always been one of Allison's heroines for the way she courageously led her life in the air and on land. She was known for breaking barriers for women's rights and women's equality. Allison never imagined that, one day, her underwater adventures would have her searching for Amelia Earhart and her missing airplane on a remote island in the Pacific Ocean. They didn't discover Amelia's plane during their first expedition, but Allison isn't done searching yet!

### QUESTION

What advice would you give to girls who want to work in science-related fields?

### ANSWER

"Try a lot of things, find out what you love doing, and find what you are passionate about. Part of that process is to have a willingness to take risks, explore things you might not excel at right away, and to be open to serendipity. And as you move through your education and career, always recognize and value the importance of teamwork."

**There are so many opportunities and careers available through STEM and you are going to be the ones to continue to push all of those fields forward through more innovation and discovery.**  
- Allison Fundis

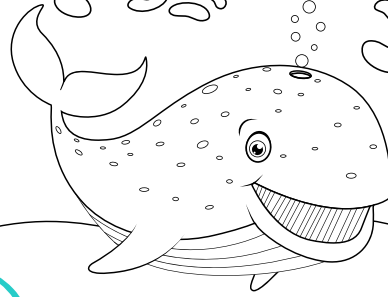
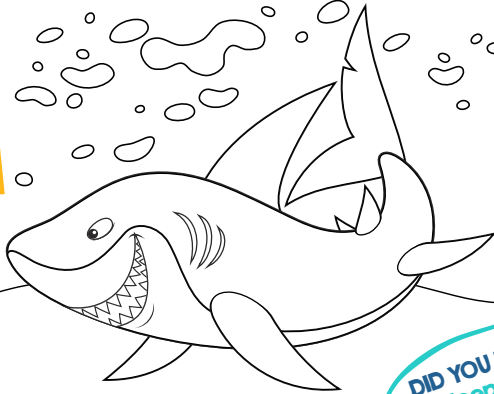


# Dive Map

Twelve people have walked on the moon, but only three have explored the deepest part of the ocean. Many people assume that a deep sea explorer spends a lot of time scuba diving. But Allison and her team actually send robotic vehicles equipped with cameras thousands of feet underwater. They pilot the vehicle from the ship with a remote control. Color in this map and learn how deep underwater you'd have to dive to find certain species, objects, and locations.

## Sunlight Zone 0 - 660 Feet

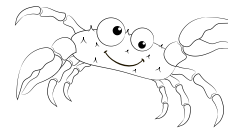
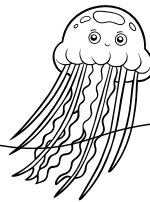
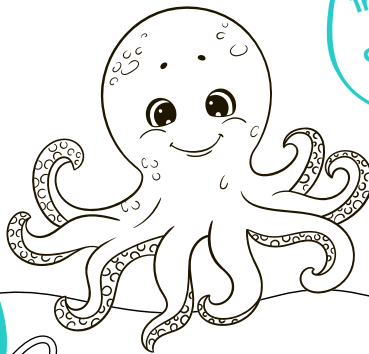
Top layer of the ocean that is well lit by the sun during the day.



**DID YOU KNOW?**  
The deepest scuba dive in the world occurred in the Red Sea off the coast of Egypt.

## Twilight Zone 660 - 3,300 Feet

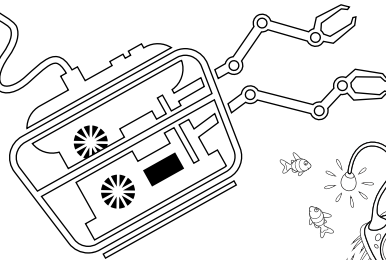
Middle layer of the ocean that is faintly lit during the day.



Remotely operated vehicles, like the ones Allison uses, can go as deep as 11,000 feet. They can range in size from small as a book to big as a tractor!

## Midnight Zone 3,300 - 13,000 Feet

Filled with nearly freezing water and almost no sunlight.



**13,000 Feet**  
After sinking in 1912, the Titanic wreckage was finally discovered 13,000 feet below the ocean surface in 1985.

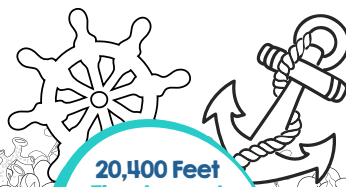


**35,756 Feet**  
After 2 1/2 hours submerged in a small capsule, filmmaker James Cameron reached the deepest point in the ocean, Challenger Deep in the Mariana Trench, in 2012.

**20,400 Feet**  
The deepest shipwreck ever found was a World War II ship in the Philippine Sea.

## Abyss 13,000 Feet and Below

Freezing dark water! SO DARK creatures who live here create their own light. It's called bioluminescence.



**LEARN MORE!**

<https://nautiluslive.org/education>  
Titanic by Simon Adams, DK Children, 2014  
Atlas of Ocean Adventures by Emily Hawkins, Wide Eyed Editions, 2019