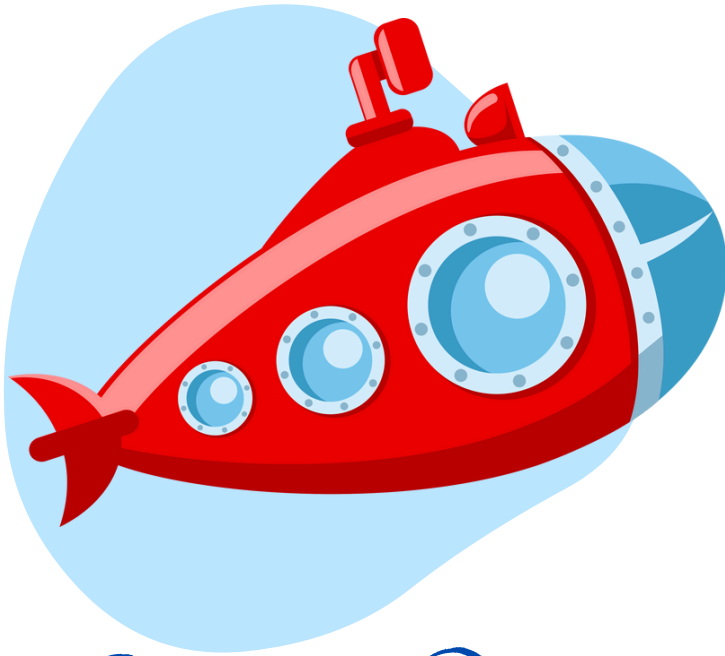


## Day 4: Research Expeditions





# Day 4: Research Expeditions

Interactive Story Ideas!



## Background scene:

Play this video in the background on a big screen, smart board, or laptop.

Deep Ocean: 10 Hours of Relaxing Oceanscapes | BBC Earth

[https://www.youtube.com/watch?v=t\\_S\\_cN2re4g](https://www.youtube.com/watch?v=t_S_cN2re4g)



## Storytelling Role-Play: 1-5 sand dollars each

(2 Students to help cut out props and 6 students to role play)

Ask for 3 girl volunteers and 3 boy volunteers to portray Genie, her 4 kids and a shark being trained. Let the kids accompany Genie on her fun adventures and have her explore the deep sea world.



## New word: 1-5 sand dollars

Read the word and definition. Have students listen for it in the story. Have them raise their hands when they hear the new word.

**Submersible:** A submersible is an underwater vehicle that is transported to the dive site onboard a ship. It is different from a submarine, which goes everywhere on its own.



## Day 4 Eugenie Clark: Research Expeditions

Genie grows her lab and studies fish all the time.

Genie knows sharks are smart. She starts training them to prove it. She wants the world to know sharks are awesome! She puts a big button in the tank and trains sharks to push it when they want food. (Red button and shark fin prompt, shark learns to push the button).

She starts teaching at college and everyone loves her classes. Even people who aren't her students come!



**Questions/Reading discussion: 1-5 sand dollars**

**Ask:** What did Genie want to teach the world about sharks?

Example: She wanted to tell the world how smart sharks are and how they can learn new things.

**Ask:** Do you think Genie's classes were fun? Why or why not?

Example: Yes, I think she made them really interesting and fun.

Genie is now a mommy! She has two boys and two girls.

They go on diving trips with her around the world.  
(Goggles prompt, dive with Genie).

During one of the research trips in the Red Sea near Egypt and Israel, she discovers a new species of sand fish. She names it *Trichonotus nikii* after her youngest son Nicki!

Besides diving, Genie goes on **submersible** dives, riding in a special craft that goes to the very deep, dark parts of the ocean. She has been 12,000 feet deep to a part of the ocean called the midnight zone. Fish there look very, very different.



**Questions/Reading discussion: 1-5 sand dollars**

**Ask:** What is the midnight zone?

Example: It is a very deep part of the ocean, like the 12,000 foot deep part Genie went to.

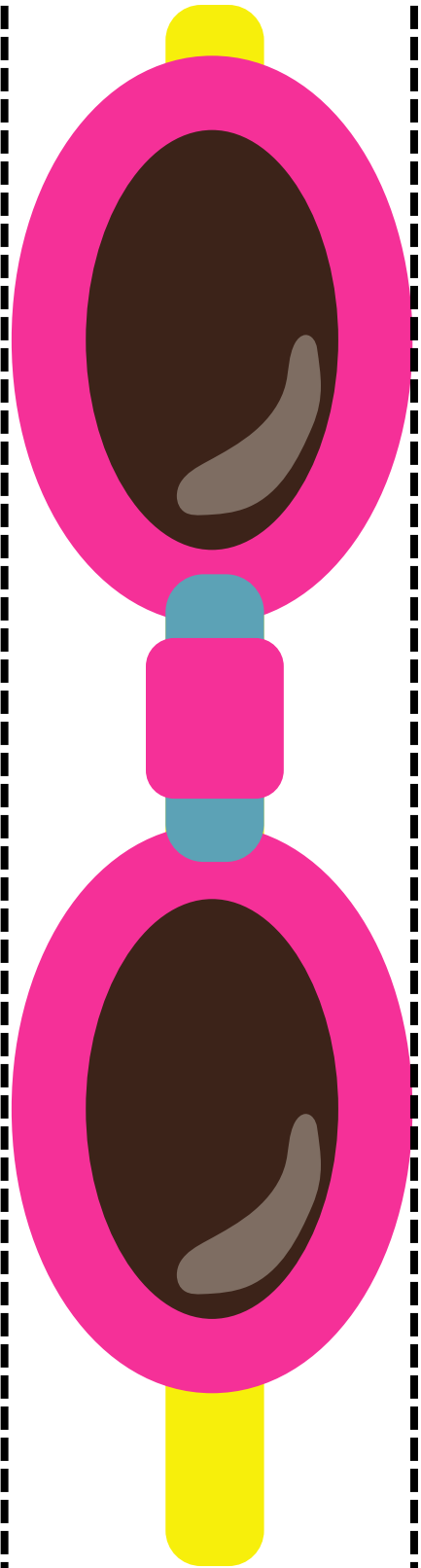
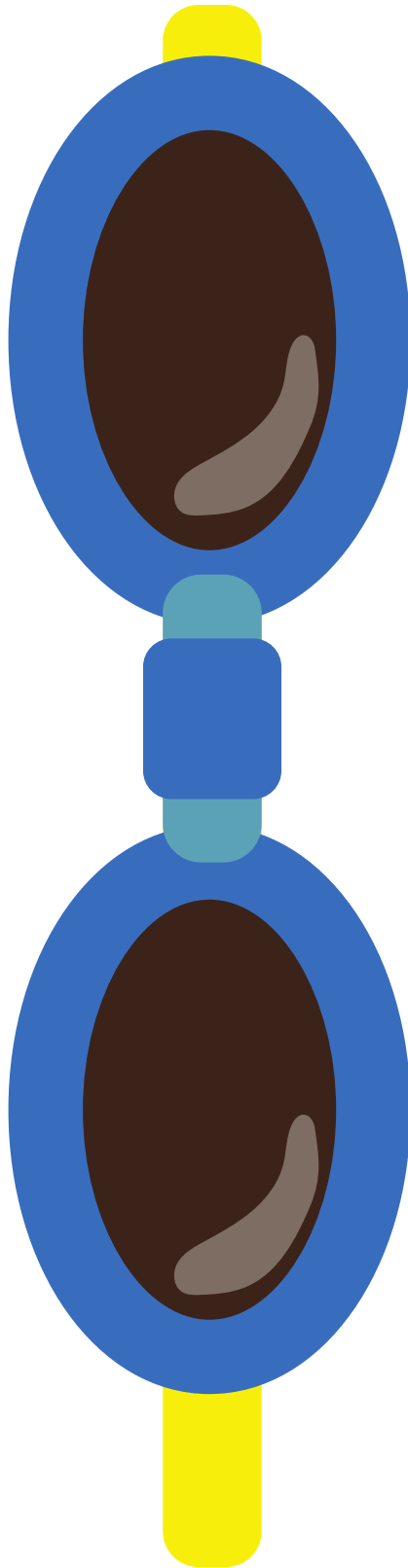
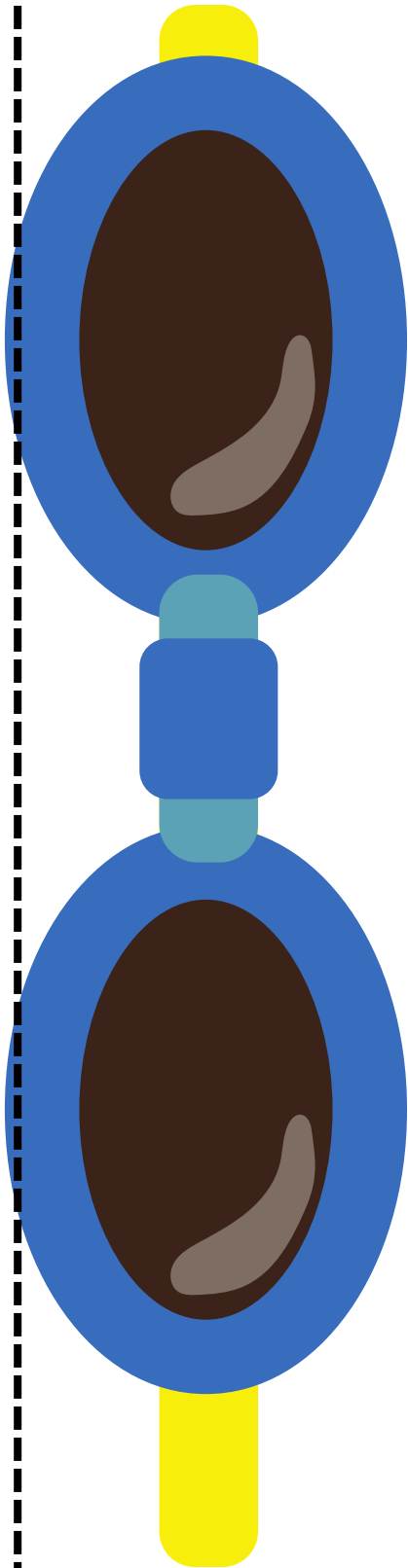
**Ask:** What kinds of things do you think Eugenie saw in the midnight zone?

Example: I think she saw really cool species like vampire eels and goblin sharks. Maybe she saw a shipwreck!

**Ask:** How do you think Nicki felt about having a sand fish named after him?

Example: I think he's probably really proud of his mommy.

Cut out these goggles for  
Eugenie's kids to wear.



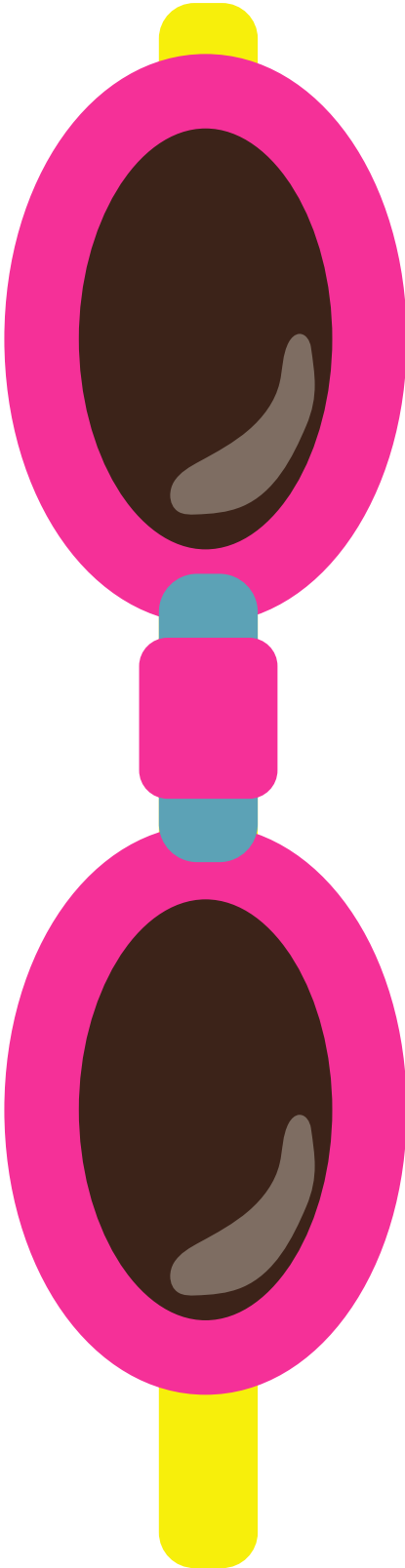
Day 4: Eugenie Clark  
story student props.

**Genie's kids:** Pull the goggles over your eyes and dive deep in the water with your mother.

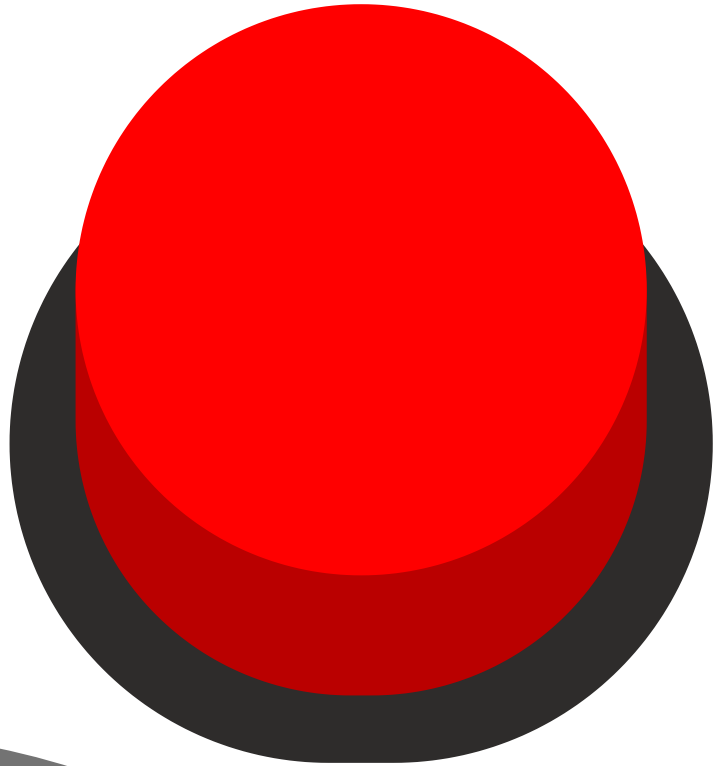
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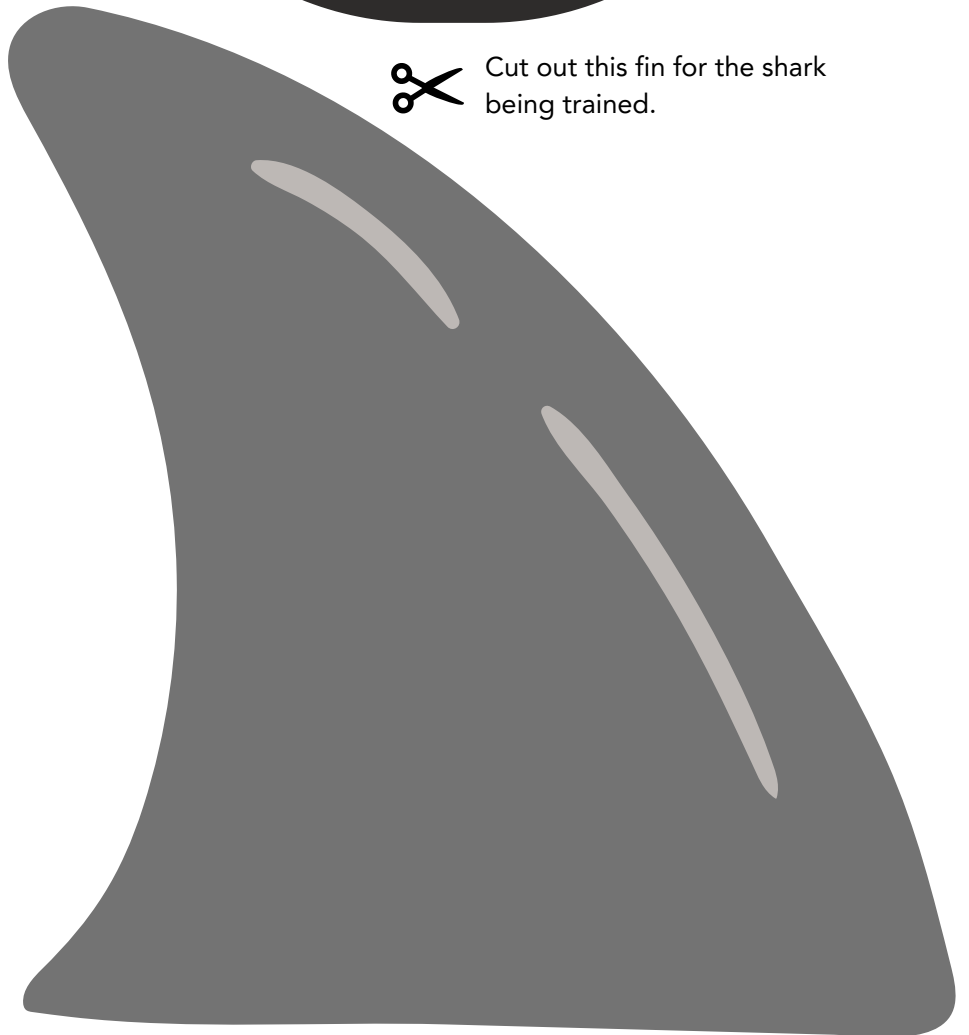
Cut out this pair of goggles  
for Eugenie's kid to wear.



Cut out this red button for  
the shark to push.



Cut out this fin for the shark  
being trained.



**Genie:** Put this red button with the sharks and gently teach them how to press it with your own nose.

**Genie's son,  
Nicki:** Dive with your siblings and ask for help. Discover a fish as you dive.

**Shark:** First, look at the red button suspiciously. Then figure out what it is used for and use it regularly for food.