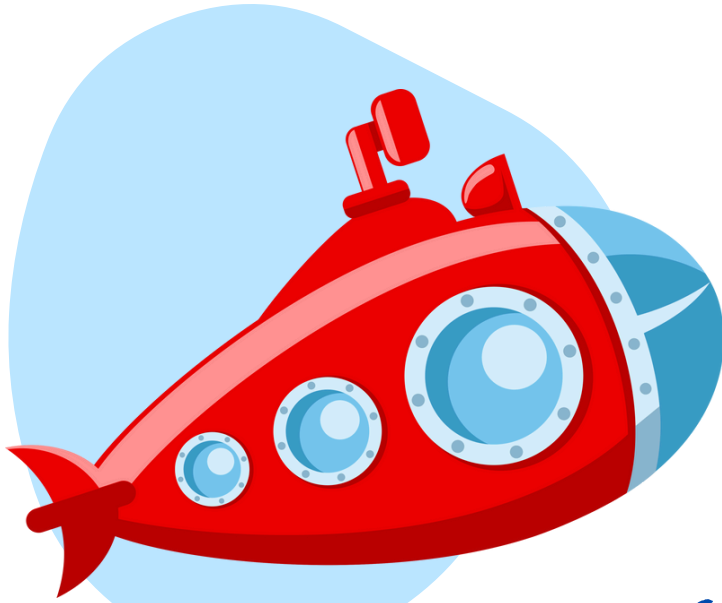


Day 4: Research Expeditions





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Eugenie Clark 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



Storytelling Role-Play: 1-5 sand dollars each

(Have 2 Students help cut out props and 6 students 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 them explore the deep sea world. The rest of the class can be onlookers on the pier when Genie dissects the manta ray on the pier.



New word: 1-5 sand dollars

Read the word and definition. Have students listen for it in the story.

Dissect: To dissect something means to break something apart and look at its parts so you can understand it better, by separating it into pieces. Scientists dissect plants and animals to study them better.

*Remind the students that they can earn a sand dollar if they tell you at the end of the story or any time of the day what the new word means. If they get it wrong remind them of the definition and have them try again in a few minutes.

Day 4 Eugenie Clark: Research Expeditions

By now, the lab has moved to a new place and become much, much bigger. Scientists and students from all over come to see the marine lab and learn about the ocean, sharks, and other amazing ocean animals.

People in the town are amazed by Genie. One time she dissects a 2200 lb. manta ray on the pier while everyone is gathered around watching her! (Manta ray prompt, crouch and study each individual part as the other students watch).

Genie has been watching shark behavior for a long time and she knows they aren't unintelligent like most people think they are. She starts training them to prove that sharks can learn. She puts big buttons in their tanks (Red button prompt, place it in the designated shark area) and trains the sharks to push the button when they want food. (Shark fin prompt, learn to push the button). She wants people to know sharks are magnificent and misunderstood.

Genie has four kids by now, two girls and two boys. She moves to another state, where she starts teaching at a college and sharing her knowledge with her students. They LOVE her!

People come to Genie's class that aren't enrolled. She lets them stay. She says she stopped taking roll because there were so many people that weren't on her class list. She gets everyone excited about science and the ocean. She writes another book called *The Lady and the Sharks*.

Genie still goes on dive trips all over the world. She takes her kids with her. They learn to swim and dive at a young age. (Goggles prompt, four kids line up to dive with Eugenie and explore the fascinating underwater world).

During one of the research expeditions to the Red Sea near Egypt and Israel, she discovers a new species of sand fish. She names it *Trichonotus nikii* after her son Nicki, who is the youngest member of the dive team!

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 the part of the ocean called the midnight zone.



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, as well as a lot of darkness. Maybe she saw a shipwreck!

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

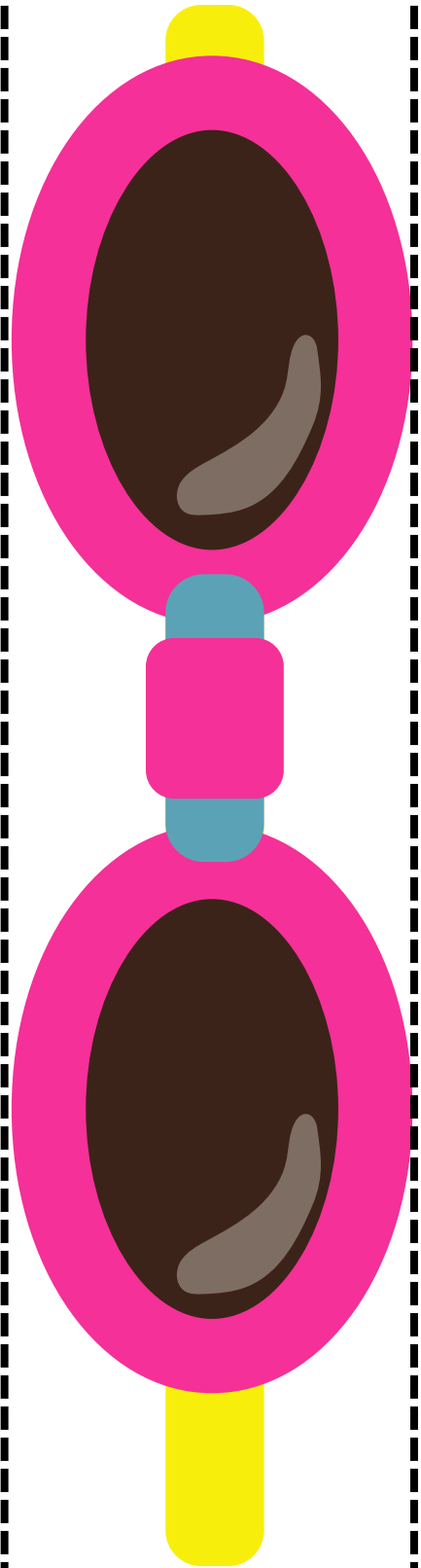
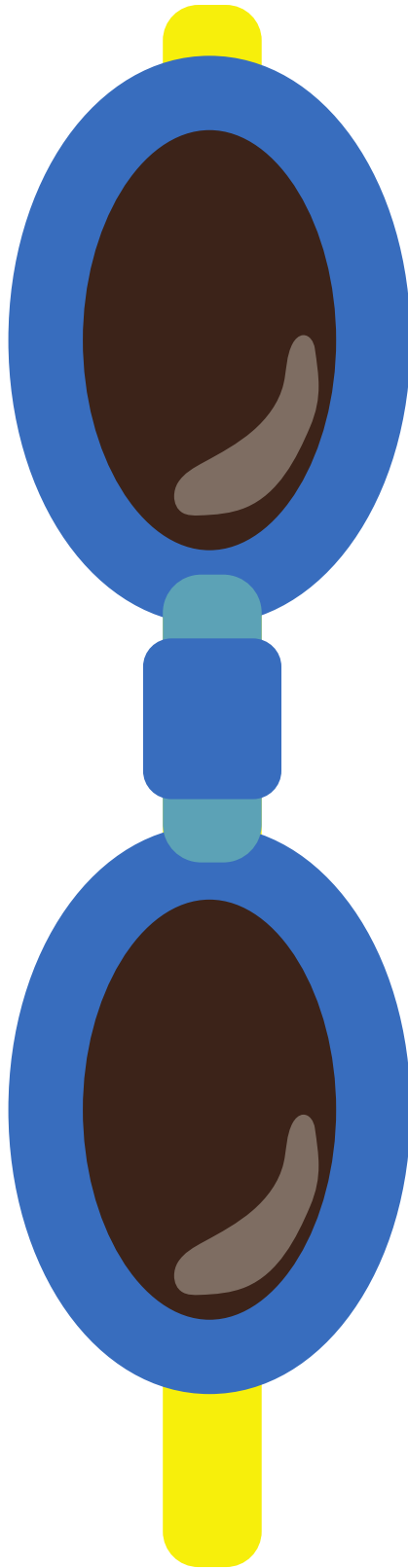
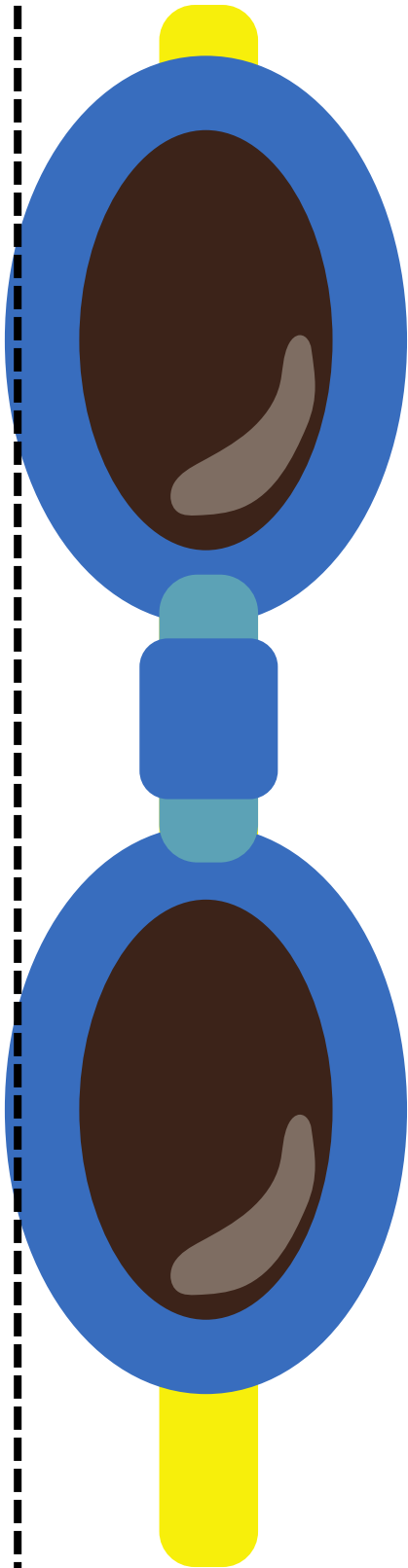
Example: I think he's probably really proud of his mommy.

Cut out this Manta Ray for
Eugenie to dissect.



Genie: Hold two pencils to pretend to dissect this manta ray and study the parts inside. Crouch on the floor and tell the onlookers what you're doing.

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

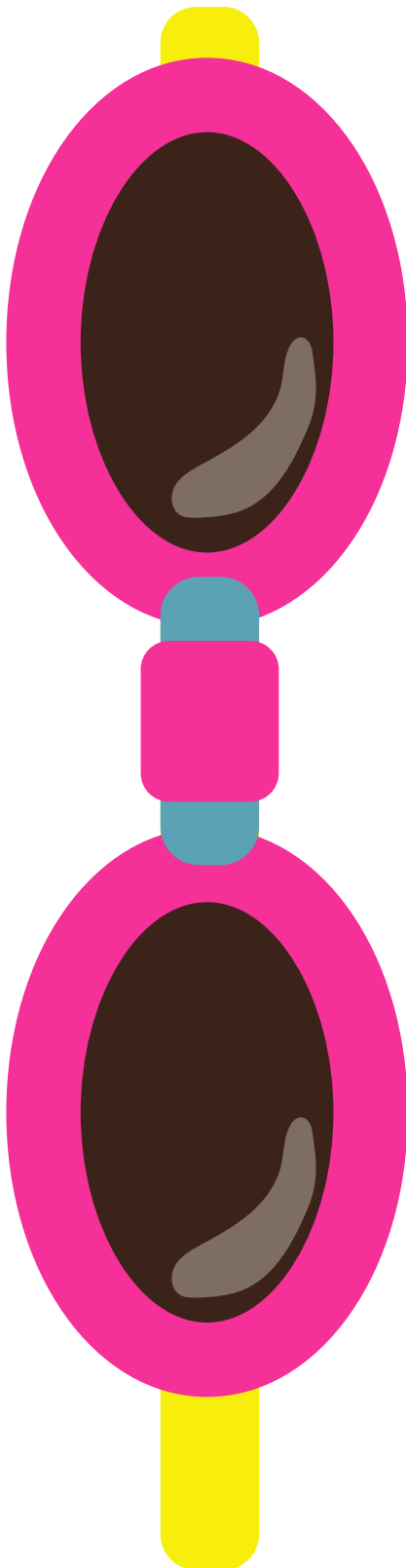


Genie's kids: Pull the goggles over your eyes and dive deep in the water with your mother.

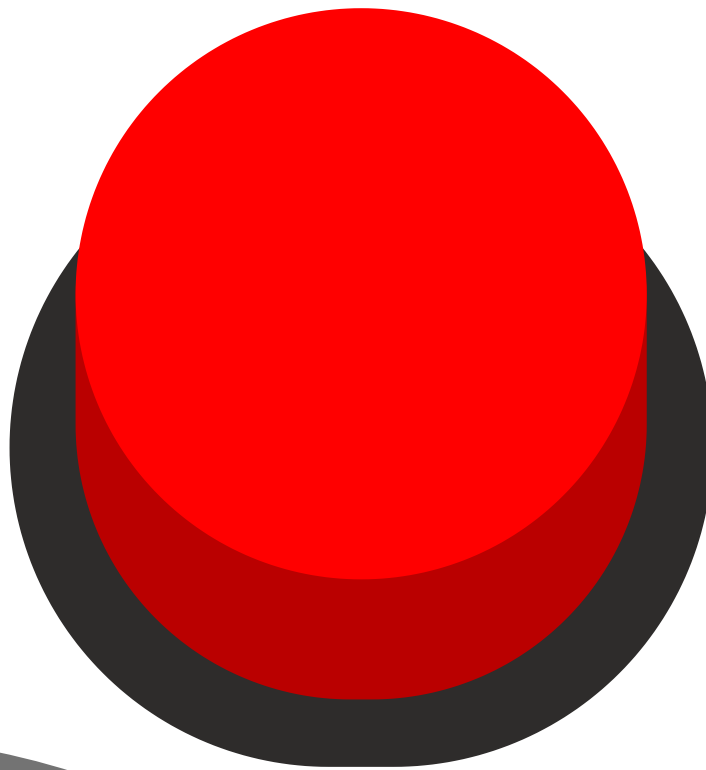
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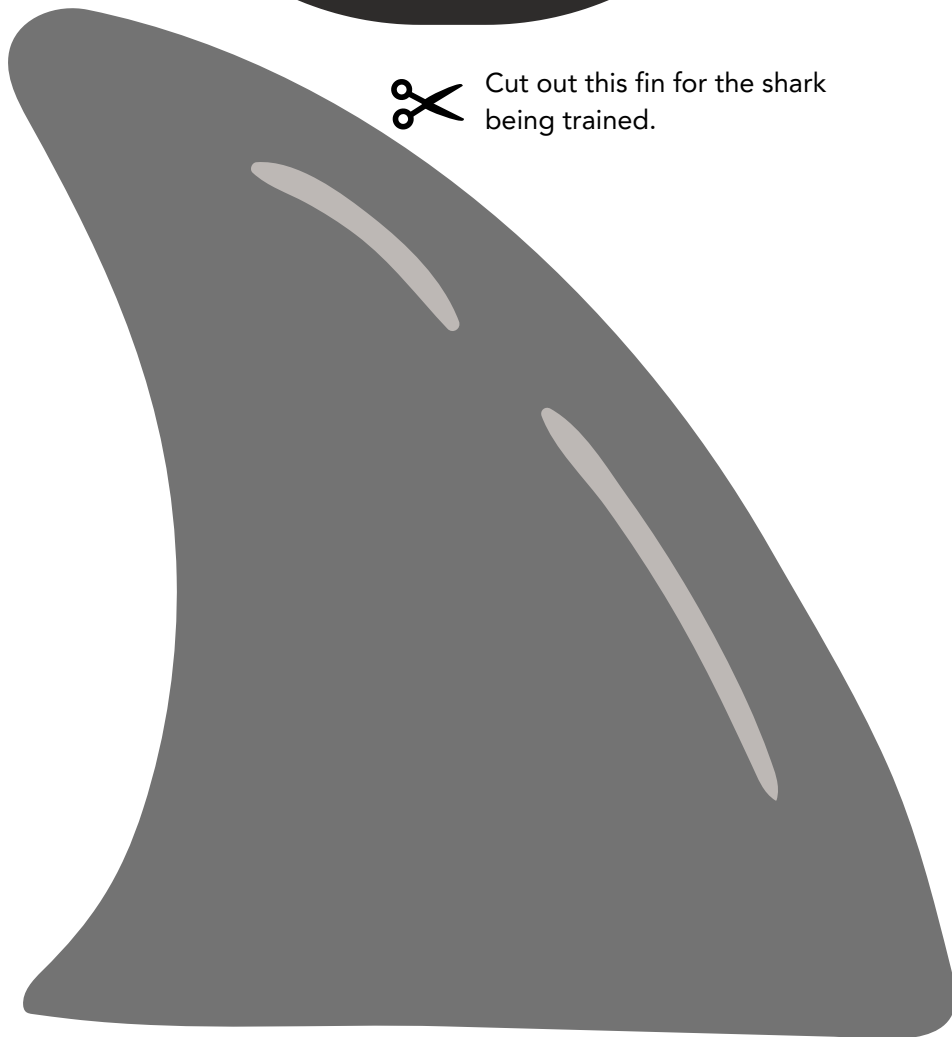
Cut out this pair of goggles
for Eugenie's kid to wear.



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.