

BACK TO NATURE



CENTER for
AQUATIC
SCIENCES

at Adventure Aquarium

www.aquaticsciences.org

#casbacktonature #casnatureplay

Sharks!

Science Experiment:

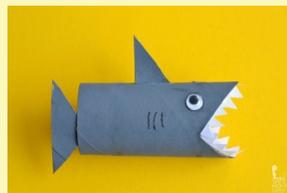
How do sharks float?

Sharks are excellent at floating through the water. But how do they do it? The large sharks especially are so heavy that without some help they would sink. They have extremely oily livers which makes them easily float. Test it out at home!

Materials: 2 small containers that can hold liquid (small water bottles or Ziplock bag), water, oil, large container of water (sink, bathtub or large bucket).

Procedure: Fill one small container with oil and the other with water. Seal the containers tight. Fill up the large container with water. Put the container into the vessel. What happens? The container with oil should float better than the one with water.

**Check out this other experiment about a [shark's sense of smell](#).



Craft:

Using an empty toilet paper roll, cut a triangle out of one end. Attach those pieces as the tail and fin, hot glue or tape would hold the best. Paint or color your shark gray with a marker and add some slits for its gills. Add googly eyes if you have them or draw them on. Lastly, using white paper, cut out some teeth and glue them into the mouth.

Love from a distance

Sharks are wonderful creatures but they can be dangerous. **Ten** people a year are killed by sharks but **100 million** sharks are killed by people. Please remember that sharks do not infest the waters - they live there. People live on land and visit the water, we must respect and understand sharks. Check out this book about what would happen "[If Sharks Disappeared](#)."

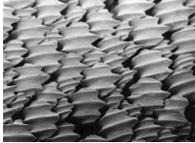


And don't forget!

Do not hug a shark. They use their teeth to protect themselves and they will bite!

Sharks vs Boney Fish

Sharks are fish but they are unlike most of the fish people know. Let's see how they are different.

	Sharks	Fish
Skeleton	Cartilage  <small>© 2005 Canadian Shark Research Lab</small>	Bone 
Scales	Sharp "Skin Teeth" 	Rounded Scales 
Gills	Unprotected Gills 	Protected Gills 

Go Outside

Did you know you can hunt for ancient shark teeth right here in New Jersey?!

Check out Big Brook, [located in Monmouth County](#)! Wade into the stream and search for shark teeth and other fossils.

Take a photo of your experiments or crafts and share on Facebook and Instagram using these hashtags:
#casbacktonature #casnatureplay

See sharks up close and safely

Want to see a shark but keep your distance? Check out these cool live feeds to see sharks at home!

- [Monterey Bay LIVE shark feed](#)
- [Georgia Aquarium Ocean Voyage featuring whale sharks!!](#)
- [Frying Pan Tower Live Cam](#)