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!

### 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.**

### Sharks vs Boney Fish

<table>
<thead>
<tr>
<th></th>
<th>Sharks</th>
<th>Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skeleton</td>
<td>Cartilage</td>
<td>Bone</td>
</tr>
<tr>
<td>Scales</td>
<td>Sharp “Skin Teeth”</td>
<td>Rounded Scales</td>
</tr>
<tr>
<td>Gills</td>
<td>Unprotected Gills</td>
<td>Protected Gills</td>
</tr>
</tbody>
</table>

### 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