



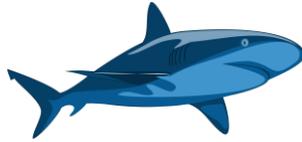
MANZI'S NEWS



A Newsletter for Manzi's Buddies

July 2018

Shark Wise



Hi Friends

It's me again, your friend Manzi. I missed you so much since the last time we had a chat. Today we are going to talk about pollution in the ocean and what it does to sharks.

Do you know what Sharks are?

Sharks are cartilaginous fish, meaning they are bone free fish that have hard cartilage instead of bones. Sharks live in the ocean. There are different types of sharks and they eat different types of food. Sharks are carnivorous animals meaning they eat other animals. Some sharks are apex predators, or top predators, meaning they are at the top of a food chain, with no natural predators.

There are different sharks with different sizes as well. Friends did you know that there are sharks that are so small in size that they can actually fit into a human hand? Yes and there are those that are the size of a school bus. An example of the biggest shark is a Whale Shark that can grow up to 60 metres long and the smallest one is the Dwarf Lantern Shark, which is approximately 15 cm long.



Credit: www.ocean.si.edu

Whale Shark



Credit: www.ocean.si.edu

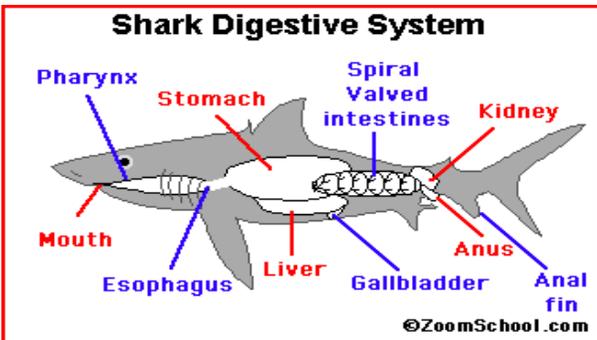
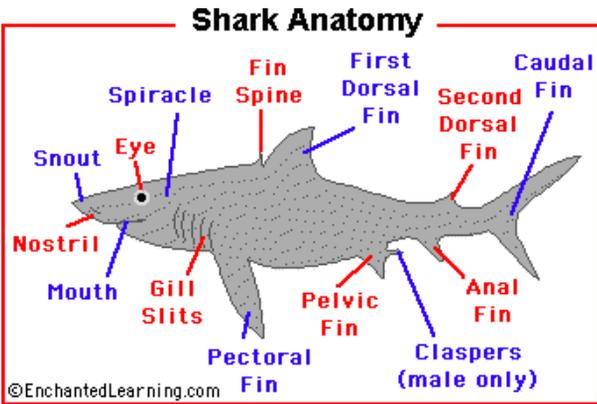
Dwarf Lantern Shark

Whale Sharks eat plankton, shrimp, algae and other marine plant material, sardines, anchovies, mackerels, squid, tuna, albacore and fish eggs. The Dwarf Lantern Shark eats krill, shrimp, zooplankton and smaller fish.

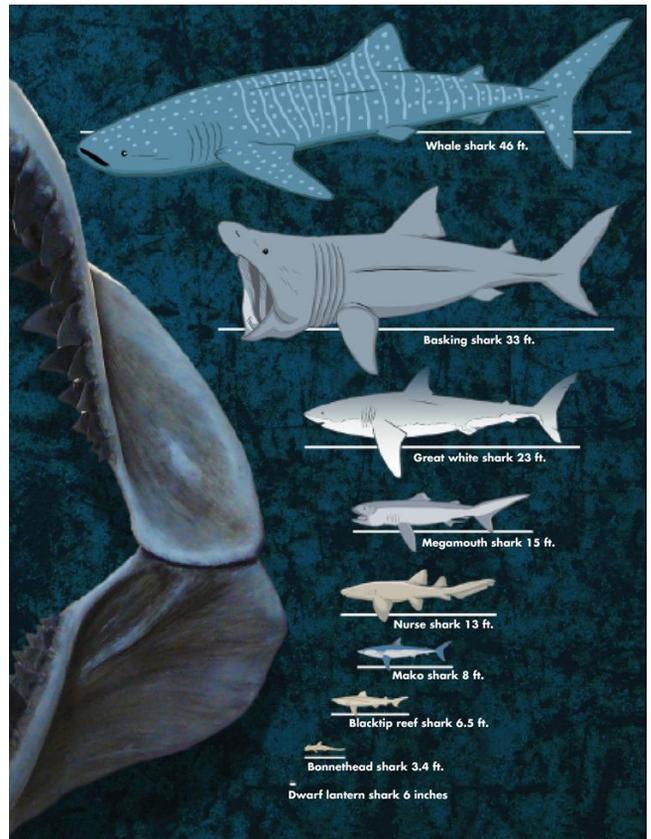
Shark Types and Sizes

Take a look at the different types of sharks in the ocean and their sizes. Amazing.

Shark Anatomy: Outside and Inside



Friends sharks are so beautiful and special. The two pictures above show the body structure of a shark both outside and inside. I am sure you will agree that the body of a shark is amazing with all the fins.



Credit: Shark Business



Credit: www.sharkbookings.com

Sadly look at the weird items that have been found inside the stomach of sharks.

The Effects of Pollution on Sharks



Friends we need to protect sharks because they are important in making sure that the food chain of the ocean is balanced. They are also indicators of a healthy ocean.

As beautiful and important as they are, something worries me a lot about their habitats, meaning the place where they live. There is a lot of pollution in the oceans. This kills sharks because they eat pollution together with their food.

Amazingly some types of pollution have been found in the stomach contents of sharks such as tyres, wine bottles, guitars and drums. Do you know where all this pollution comes from friends. Sadly, it comes from humans and their bad behaviours.

How do you think this problem of pollution can be solved? I have an idea. Will you please help me sort out pollution in the table below and put it where it belongs?

Good, let's start. First you are going to remove waste items from the table of food for the two sharks we talked about earlier. Write down the waste items you think should go to the table on the next page. Then answer the two questions about each of these, i.e. "Can this item be recycled?" and "Can you think of any ways this item can be reused?"

Table of Whale Shark and Dwarf Lantern Shark food



Whale Shark	Dwarf Lantern Shark
Tyres	Smaller Fish
Sardines	Plastic bottle lid
Tuna	Shrimp
Algae	Krill
Wine bottle	Orange bag strings



Recycling is the best option!

Waste Item 	Can this item be recycled? YES/NO	Can you think of any ways this item can be reused?
1.		
2.		
3.		
4.		

Friends I hope you enjoyed learning about sharks, their importance and the action we need to take to keep them safe.

Let's all be Shark Wise and look after our oceans.



Till next time.

Lots of Love

Manzi



For more information on being Water Wise, please contact 0860 10 10 60 or log onto www.randwater.co.za and click on the Water Wise logo



References: Michael Rogers; ocean.si.edu; nature.org; EnchantingLearning.com; ZooSchool.com; Shark Business; sharkbookings.com