

Sharks play a crucial role in keeping ocean ecosystems balanced by controlling species populations—they're like the ocean's natural regulators.

Lets Dive In

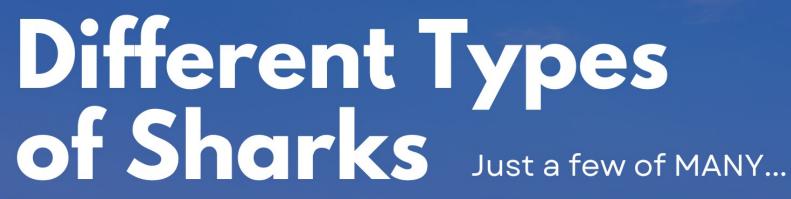
- Biology of Sharks
- Shark Behaviors
- The importance of Sharks
- Shark Conservation



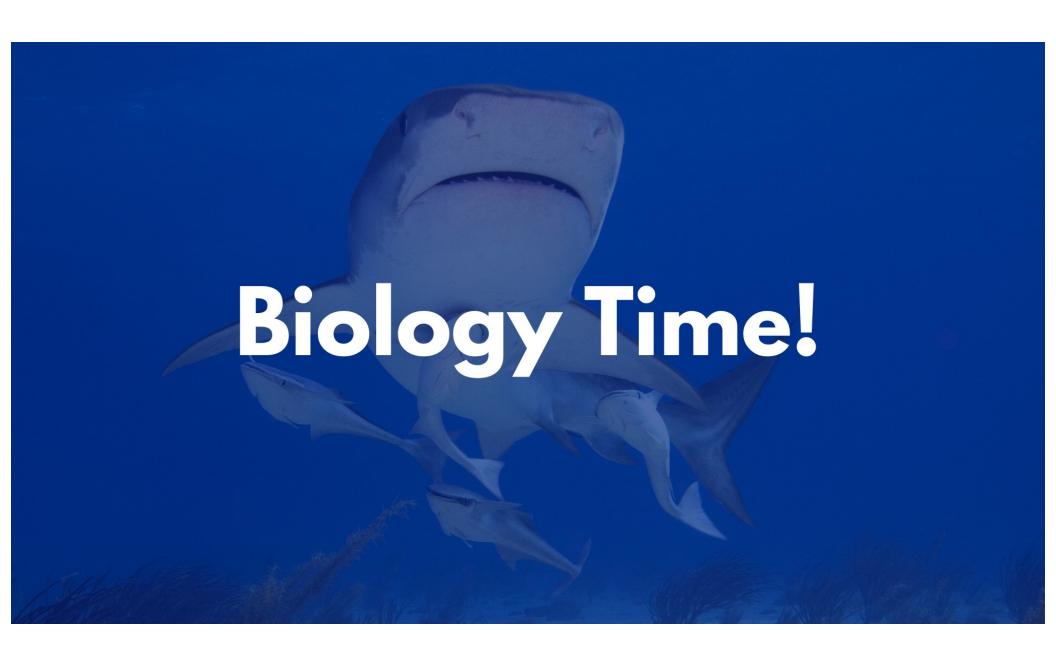






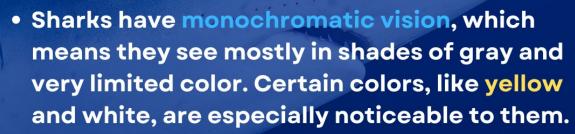






How Do Sharks

See?



- They have a <u>nictitating membrane</u>, a protective layer that covers their eyes when they bite or feed.
- Their tapetum lucidum is a reflective layer behind the retina that enhances their vision in low-light conditions, helping them hunt effectively at dawn, dusk, or in deep water.



How Do Sharks ares, or "swimming Smell?" an't connected to

- Sharks have nares, or "swimming noses," that aren't connected to their mouths. They can detect tiny amounts of substances, like blood, from far away. This helps them find prey, navigate the ocean, and sense their environment.
- Humans aren't their target, so sharks aren't interested in us.





How Do Sharks Hear?

- Sharks can hear through their inner ear and lateral line system.
- Sharks hear loud noises from around a mile away (like a boat, or helicopter).
- Sharks can hear splashing noises from around 300 feet away.





Sharks Have a WHAT?



"Ampullae of Lorenzini"

- Sharks have special sensors called ampullae of Lorenzini.
- They're on their head and snout and help sharks feel tiny electrical signals.
- They can sense stuff like: cameras, boat motors, heartbeats, and even movement in the water.



Shark Teeth!



- Sharks have rows of teeth that are constantly being replaced.
- How many teeth do you think a shark can lose in his/her lifetime? (Sharks can lose up to 30,000 teeth in their lifetime)
- Many different types of teeth for different types of prey.

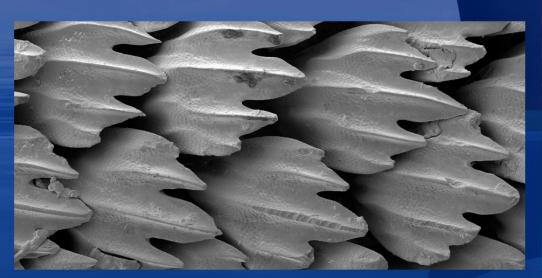


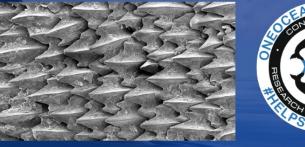


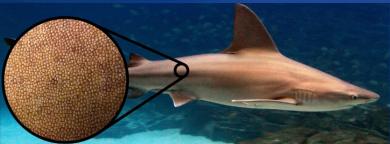


Shark Skin

- Shark skin is called "dermal denticles"
- Dermal skin, denticle teeth, "Skin teeth"
- Instead of scales like fish, sharks have dermal denticles to help them swim really fast









Noticeable Behaviors





Body Language



Piggy backing



Why Are Sharks Important?

- Across the world's oceans, there are over 500 species of shark!
- Sharks have inhabited our oceans for over 400 million years.
- Some are top predators, others are the clean-up crew of the ocean.
- Their diverse roles are part of a balance needed for healthy oceans.

More Reasons Why Sharks Are Important



'Aumākua

- Sharks Manō
- 'Aumākua-a dead ancestors spirit reincarnated into a living entity.
- An 'Aumākua could be a shark, dolphin, whale, turtle, owl, the list goes on.
- Sharks that are 'Aumākua will protect and give wisdom as long as they are respected.





About One Ocean

One Ocean Diving educates people about shark biology, behavior, and conservation, while highlighting how fascinating and vital these misunderstood apex predators are to ocean ecosystems.





More Divisions of One Ocean

@ONEOCEANSHARKS

Marine conservation and education organization rooted in shark research, respectful shark encounters, and community engagement.







@ONEOCEANRESEARCH

Highlights marine research around the globe, sharing fascinating science & facts that support conservation & community.



@ONEOCEANDIVING

Shark tours guided by shark safety specialists & biologists.







@ONEOCEANCONSERVATION

A group focused on protecting sharks and the ocean. They educate the public, run campaigns, and work to create rules that keep oceans safe.



@SAVETHESEATURTLESINTERNATIONAL

A group that protects sea turtles and other ocean animals. They remove trash and fishing gear from beaches, host monthly beach cleanups, care for turtle habitats, and teach people how to help keep the ocean safe.

@ONEOCEANGLOBAL

A marine conservation network that connects global communities to protect ocean health. Through the Global Ambassador Program, it supports local conservation efforts, educational outreach, and policy advocacy worldwide.



Founders of One Ocean

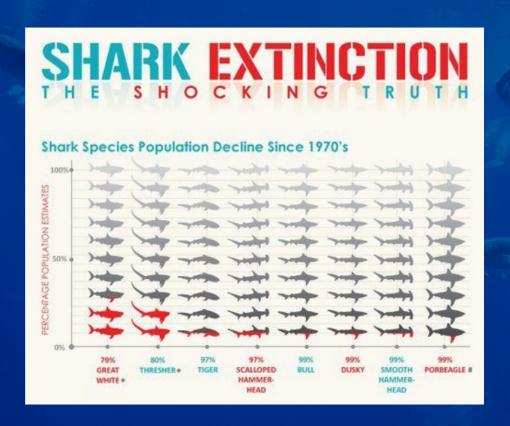
Ocean & Juan created One Ocean to:

- Help teach the world about sharks
- Reverse the stigma around them
- Promote ocean conservation
- Collect data about shark abundance and behavior
- Support the field of shark science
- Offer safe interactions with sharks
- Monitor local populations-saving them from entanglement and fishing line!

Learn more at https://juansharks.com



The Sad Truth...



In recent years over 90% of Shark species populations have declined.

How many sharks are killed each year?

What Kills Sharks?

- Shark Finning
- Bycatch
- Marine Debris
- Shark Culling
- Shark Fishing
- Pharmaceutical
- Souvenir Trade
- Pet Food









How Can We HELP

- Don't eat shark fin soup.
- Don't feed your pets shark meat.
- If you are eating fish, eat locally spearfished fish.
- Reduce your plastic intake.
- Support sustainable tourism
- Support marine protected areas
- Donate or volunteer
- Avoid cosmetics or supplements containing sharkderived ingredients
- Report illegal shark trade
- Sign and share petitions







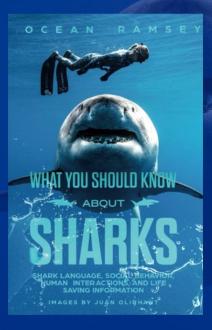
- Join One Ocean Conservation and Save the Sea
 Turtles International every month for a Reef & Beach
 Cleanup.
- Can't make it? Do your part by picking up trash next time you're at the beach
- Spread the word!



Want to Learn More?







- Visit OneOceanDiving.com and OceanRamsey.org to learn more.
- Take Oceans' Course online or read her books!
- Watch "Shark Whisperer" and "Saving Jaws".

