# SCIENCE 4 ME

Oceans

Explore your world with this Science-4-Me adventure!
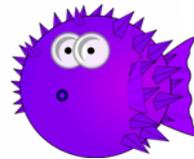
Computer fun! Giant Bluefin tuna, hammerhead sharks, giant green sea turtles, rays, and more swim in a one-million-gallon tank featured on a live web cam.
montereybayaquarium.org

Picture Books:
Squid Kid the Magnificent, Lynne Berry
Somewhere in the Ocean, Jennifer Ward
Hello, Ocean! Pam Munoz Ryan
I'm the Biggest Thing in the Ocean, Kevin Sherry
Little White Fish, Guido Genechten

Early Readers
Series: Oceans Alive, Colleen Sexton, ER 597.xx SEX
Series: Life under the Sea, Cari Meister, ER 597. xx MEI
Fly Guy Presents Sharks, Tedd Arnold, ER 597.3 ARM
Splat the Cat; a whale of a tale, ER Scotton
Pete the Cat; Pete at the Beach, ER Dean

In-Depth
First Big Book of the Ocean, Catherine Hughes
     J 551.46 HUG
Discovering Sharks, Donna Parham, J 597.3 PAR
Ocean Animals: Who's Who in the Deep Blue Sea,
     Johnna Rizzo, J 591.77 RIZ
The Most Amazing Creature in the Sea,
     Brenda Guiberson, J 591.77 GUI

Non-fiction
Lie Detector—Oceans; Simon Holland J 551.45 HOL
Oceans, Alexis Roumanis J 551.46 ROU
Under the Sea, Counting Ocean Life; Barbara Knox,
     J 513.211 KNO
Fabulous Fishes, Susan Stockdale, J 597.STO
Ocean Counting, Janet Lawler, J 591.77.LAW
Smithsonian, little Explorer, Sharks, Megan Peterson,
     J 597.3 PET

LOCAL CONNECTION

Shark Reef
Mandalay Bay Hotel
33950 Las Vegas Blvd So.
www.mandalaybay.com

From sharks, giant rays, and jellyfish, to the endangered green sea turtle, observe beautiful sea creatures in this amazing aquarium that holds 1.6 million gallons of water.

Gibson Library
100 W Lake Mead Pkwy, 89015
(702) 565-8402

Green Valley Library
2797 N Green Valley Pkwy, 89014
(702) 207-4260

Paseo Verde Library
280 S Green Valley Pkwy, 89012
(702) 492-7252

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ACTIVITY!

Science experiments, even very simple experiments, fuel a child's curiosity about the world. Learning how to observe, talk about and predict what might happen next is important for growth in many areas! Try this hands-on simulated squid ink activity with your child to explain one way the octopus and squid defends itself.

What you need:

1 clear vase, small bowl or cup; Black tempera paint or black food coloring gel;

1 small plastic toy (such as a plastic dinosaur); Eyedropper or pipette;
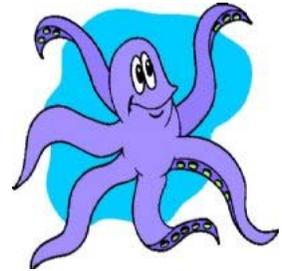
Try this:

1. Fill the vase, cup or bowl ¾ full with water. Add the small plastic toy such as a plastic dinosaur, solider (a sea creature would be great) to the container. The water should completely cover the plastic toy.

2. Discuss with your child how easily you can see the plastic toy in the clear water.

3. Fill the eyedropper or pipette with the black tempera paint or black food coloring gel, and add it slowly to the water. Add more paint or food coloring if needed until the plastic toy is no longer visible.

4. Where did the plastic toy figure go? Talk to your child about how it's much harder to see it now.

5. Discuss how the Octopus and squid can protect itself by shooting black ink into the water when a predator approaches. The black ink allows the octopus to remain unseen so it can swim away quickly.

For further information on this topic see:

National Geographic Kids-Octopus

What's the connection between science and writing? Scientists are chronic writers! They write down hunches, observations, and they sketch whatever they are studying. Writing and sketching are important tools real scientists use to help themselves think.

JOURNAL

Make two lists with your child. Write: **Land** on one page, and **Ocean** on another page. Now list the following animals on the correct page according to where they live. Sea Horse, Cow, Fox, Whale, Panda, Cat, Chicken, Sea Turtle, Dog, Starfish, Rabbit, etc.

Draw your favorite sea creature

Add more animals to your list