

Science Story Adventures



Fish

Learning outcomes

- » Students know different animals inhabit different kinds of environments and have external features that help them thrive in different kinds of places. (Grade 1 – Life Sciences)
- » Students know examples of diverse life forms in different environments, such as oceans. (Grade 3 – Life Sciences).
- » Adaptations in physical structure or behavior may improve an organism’s chance for survival. (Grade 3 – Life Sciences)

From: California’s Science Content Standards

Books we read

Dear Fish by Chris Gall

Fabulous Fishes by Susan Stockdale

Activities we did

- » We talked about what makes a fish a fish and looked at specimens and photos of sea creatures to determine whether or not they are fish.
- » We examined porcupine fish, sawfish, pipefish and frogfish specimens and determined what adaptations they have that better help them survive.

Today’s craft: Porcupine Fish



You will need:

- » Paper plate
- » Yellow construction paper
- » Pencil
- » Scissors
- » Glue
- » Large googly eye

Directions:

1. Cut a triangle out of the rim of the plate and glue it on the opposite side to make a tail
2. Cut long, thin triangles out of the yellow construction paper.
3. Draw two curved lines across the center of the plate.
4. Glue the triangles along these lines, as well as along the inner rim and the top of the plate.
5. Cut a circle out of the yellow construction paper. Glue it to the place where you want your fish’s eye. Glue the googly eye on top of the circle.

Adapted from <http://www.dltk-kids.com/animals/mppufferfish.htm>

Want to find out more?

Here is a selection of further resources to explore in the Naturalist Center, in the public library or at home. Please ask if you can't find what you're looking for.

Books

Asombrosos Peces por Mary Ling. Nat. Ctr. Juv. QL617.2 .L5618 1991*

Learn about the many different types of fish and the interesting ways they have adapted to survive in their watery environment.

Fish by Steve Parker. Nat. Ctr. Juv. QL617.2 .P37 2005

Peces por Steave Parker. Nat. Ctr. Juv. QL617.2 .P3718 1992*

The book from the Eyewitness series presents captivating photos and engaging text introduce readers to the world of fish.

Fish Faces by Robert Wu. Nat. Ctr. Juv. QL617.2 .W82 1993

Simple text introduces readers to the diversity of fish from spiky to spotted, big to small and flat to fat.

Fish is Fish by Leo Lionni. Nat. Ctr. Juv. QL617.2 .L565 1990z

A minnow learns about the many different kinds of creatures in the world from his frog friend and wants to see them for himself, only to realize that life in his pond is the best for him.

The Frogfish by Jody Sullivan Rake. Nat. Ctr. Juv. QL638 .A577 R35 2009

Learn about these masters of camouflage that can walk on the bottom of the ocean.

Hello Fish! Visiting the Coral Reef by Sylvia A. Earle. Nat. Ctr. Juv. QL620.45 .E27 2001

Come face to face with common fish founds in coral reefs.

**Libro en español*

DVDs

Life. Nat. Ctr. Media QH501 .L55 2010

Disc 2 contains the episode, "Fish," which includes the mating dance of weedy sea dragons and the parental care of convict fish.

What Makes a Fish a Fish?

An award-winning film that introduces children to the many kinds of fish found in our oceans.

Websites

Ichthyology Just for Kids from Florida Museum of Natural History

Information on various fish families, a list of shark books for kids and shark games.

<http://www.flmnh.ufl.edu/fish/kids/kids.htm>

National Geographic Creature Feature: Pufferfish

Facts, photos and videos about these unusual fish. You can also search on this site for Creature Features on other fish.

<http://kids.nationalgeographic.com/kids/animals/creaturefeature/pufferfish/>

Wild Kratts: Ride on Remora Game

In this game, you're a remora looking for a ride on various sharks and rays.