

Sharks4Kids

Stingray Adaptations Craft

Kindergarten

K-ESS3-1 Earth and Human Activity

This craft can be used with the *Let's Investigate Sharks PowerPoint*. Vocabulary is highlighted in red and a full vocabulary list for the PowerPoint can be found within the curriculum packet.

SQ: Indicates questions you can ask the students to engage them in a discussion.

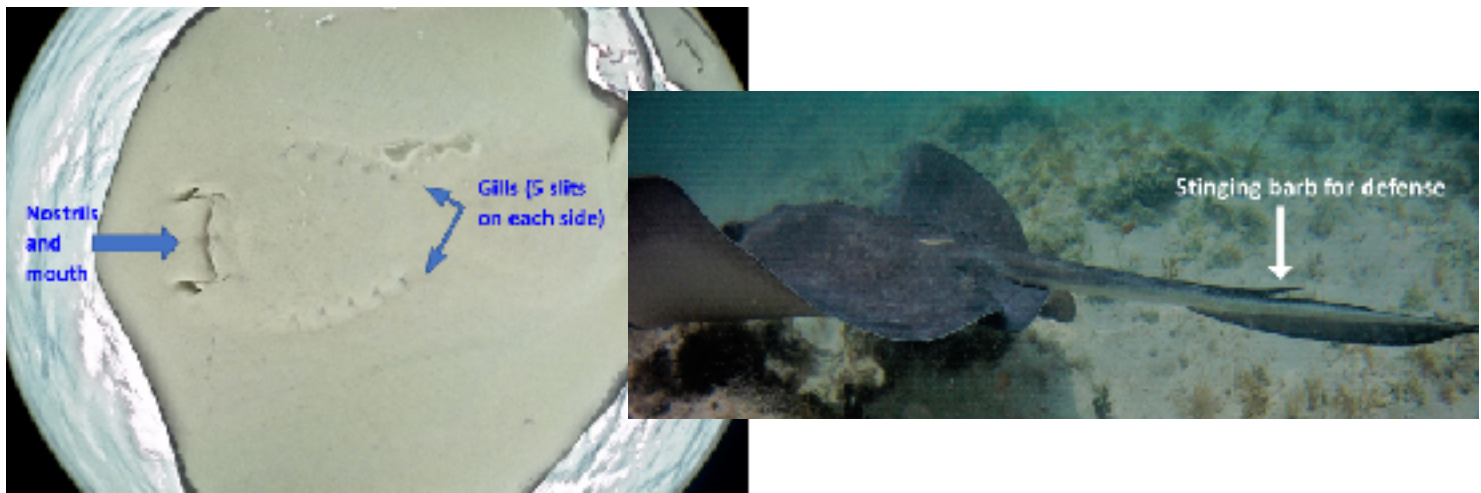
Introduction:

Stingrays are **SHARKS** too! They are made of **CARTILAGE** just like sharks are. Because of this, stingrays are sometimes nicknamed “flat sharks.” They swim gracefully through the water using their pectoral **FINS** that look like wings. These fins can be a round or diamond shaped. Stingrays come in many colors and patterns. They can blend in with their **ENVIRONMENT** or they can stand out with bright colors to warn other **PREDATORS** that they have venom. All stingrays have two eyes on top and extra **GILLS** called spiracles to help them breathe **OXYGEN** from the water. On the bottom, they have 10 gill slits, a mouth, and two nostrils. The extra gills on top allow them to be buried under the sand and still breathe. Their tail is not used for swimming like a shark but it is used for defense. Their tails can hold one or many stinging barbs at the base near their body. These barbs can break off and grow back just like your fingernails.



Materials:

- Paper plate



- Scissors
- Hole puncher
- Googly eyes (optional)
- Markers/Crayons/Colored pencils
- Pipe cleaners
- Glue

Procedure:

1. The paper plate is the body of your stingray. Cut the stingray to the shape of ray you want to design. (Pointed or rounded wings)
2. Glue or draw in eyes or your stingray and use a hole puncher to punch one hole behind each eye-these are your spracles! Draw in gills, nostrils and a mouth on the bottom.
3. Color your stingray any color or pattern you want!
4. Take two pipe cleaners and cut one into smaller pieces. The smaller pieces are the barbs. Your stingray can have on or many barbs! Wrap each barb around the tip of one end of the long pipe cleaner to secure them in place.
5. Glue the pipe cleaners to the end of the stingray.

SQ & Discussion:

Discuss why you colored your stingray the way you did.

Did you want your stingray to be camouflaged in the sand or stand out?

What are some advantages and disadvantages of each?

How many barbs did you give your stingray?

Why would it be helpful for a stingray to have more than one barb?

