Family Field Trip Days: Instructions



Step 1: Watch "<u>Mangroves and Estuaries</u>" Deep Sea Learning Videos with Georgia Aquarium (Found on the 'At Home Learning' tab of our website).

Step 2: Review the "<u>Mangroves and Estu-</u> <u>aries</u>" Fact Sheets.

Step 3: Visit Georgia Aquarium to complete the questions and activity sheets in this packet!

Step 4: Watch one of our Aquarists <u>feed</u> <u>the archer fish</u> in the wetland habitat of a mangrove forest. Did you know?:

February 2nd is International Wetland Day!

Gallery Scavenger Hunt: Worldly Wetlands

CATION

Instructions: Explore Georgia Aquarium galleries and exhibits to find the answers to the questions below!

Georgia Aquarium participated in a beluga whale health assessment focusing on local population nutrition in which Alaskan estuary?

The Yucatan peninsula is an important wetland region with a wide variety of ecosystems including marshes, swamps, and seagrass. This area has a biosphere reserve focused on conserving what specific animal?

A large wide-mouthed net pulled by a ship is a very common fishing practice in wetlands, particularly seagrass habitats. This fishing method unfortunately has a high bycatch rate, including many species of sharks. What is this fishing method called? The banggai cardinalfish is species of mouthbrooding fish, meaning the fish will carry the eggs in their mouth until they hatch. For this species, it is the males. These fish can be found in bays, seagrass beds and coral reefs. What is their scientific name?

Dragonflies are part of the *Odonata* order. These insects are vital to wetland food webs. Many of them lay their eggs on the surface of water. What specific species is described in the Aquanaut Adventure?

What ecosystem, includes swamps, rivers and flooded forests, is home to more than 700 species of freshwater fish, 80% of which are found no-where else in the world?

Cipher Activity: Worldly Wetlands

Instructions: A "Caesar Cipher" is a shift cipher. Each letter is replaced by another letter with a fixed position difference. For example if the shift was 5 to the right, the letter 'a' would be replaced with 'f' for each occurrence. Use a shift 3 to the right to find out the hidden fact about mangroves!

Hint: You may want to map the alphabet on the back of this paper or on a separate sheet of paper for reference.

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Gallery Scavenger Hunt: Worldly Wetlands **KEY**

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Instructions: Explore Georgia Aquarium galleries and exhibits to find the answers to the questions below!

Georgia Aquarium participated in a beluga whale health assessment focusing on local population nutrition in which Alaskan estuary? **Cook Inlet or Bristol Bay**

The Yucatan peninsula is an important wetland region with a wide variety of ecosystems including marshes, swamps, and seagrass. This area has a biosphere reserve focused on conserving what specific animal?

Whale Shark

A large wide-mouthed net pulled by a ship is a very common fishing practice in wetlands, particularly seagrass habitats. This fishing method unfortunately has a high bycatch rate, including many species of sharks. What is this fishing method called?

Trawl Net

The banggai cardinalfish is species of mouthbrooding fish, meaning the fish will carry the eggs in their mouth until they hatch. For this species it is the males. These fish can be found in bays, seagrass beds and coral reefs. What is their scientific name? **Pterapogon Kauderni**

Dragonflies are part of the Odonata order. These insects are vital to wetland food webs. Many of them lay their eggs on the surface of water. What specific species is described in the Aquanaut Adventures? Halloween Pennant

What ecosystem, includes swamps, rivers and flooded forests, is home to more than 700 species of freshwater fish, 80% of which are found nowhere else in the world? **Congo Basin**

Cipher Activity: Worldly Wetlands **KEY**

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