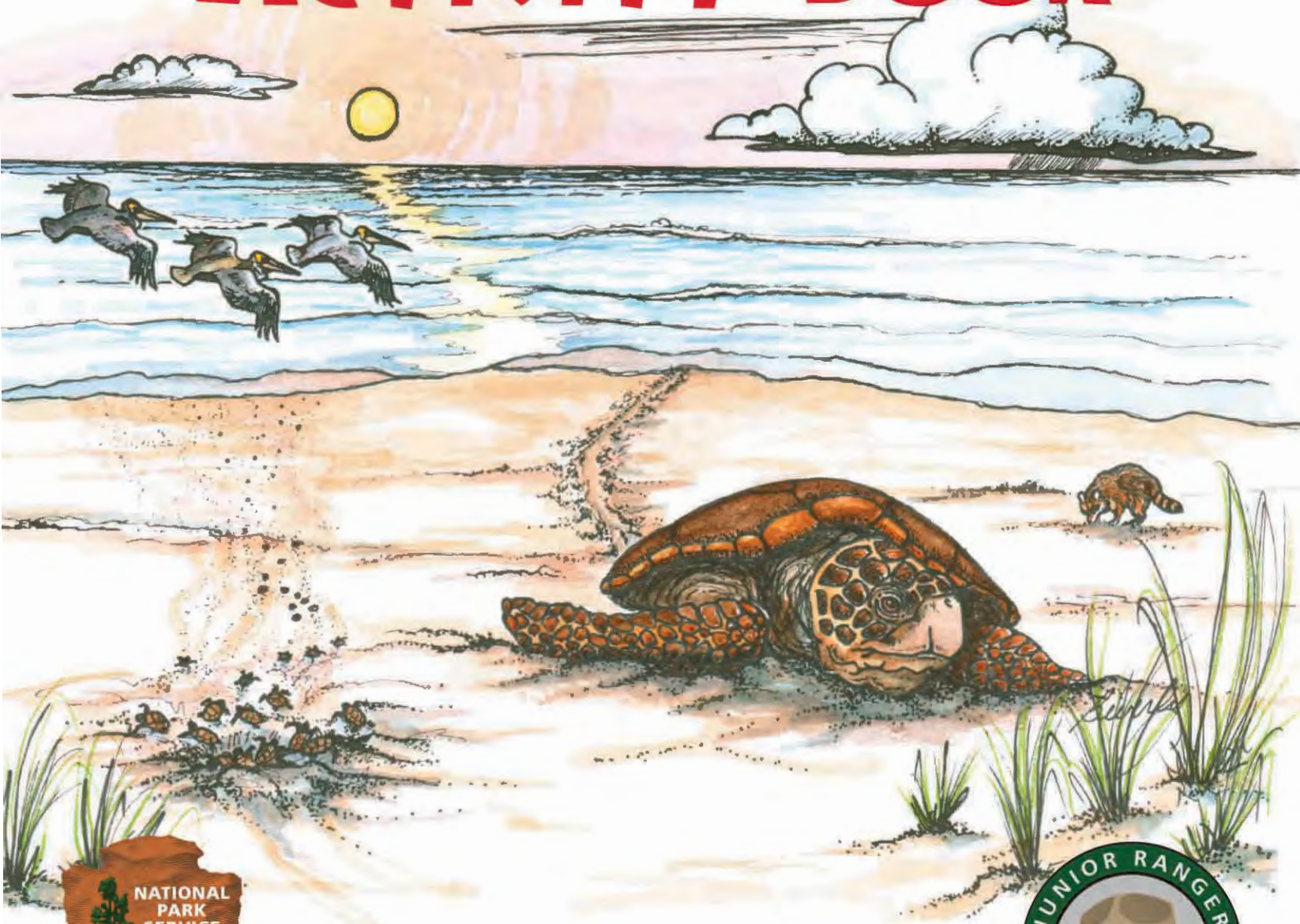


Canaveral National Seashore



JUNIOR RANGER Activity Book



Canaveral National Seashore

National Park Service
U.S. Department of the Interior



WELCOME TO CANAVERAL NATIONAL SEASHORE

Welcome to Canaveral National Seashore, Junior Ranger! There are three levels of Jr. Ranger programs, each is set up to make the most of your time here in the park. Canaveral National Seashore is 57,000 acres in size, has 24 miles of shoreline and contains over 150 archaeological sites; there are also multiple Florida pioneer historic sites and over 30,000 acres within Mosquito Lagoon, one of our nation's most diverse estuarine systems.

We hope you enjoy your journey through Canaveral National Seashore and learn why this area was saved as one of your National Parks. Only with your help will places like Canaveral be protected and preserved for future generations.

OK, Junior Ranger, let's get started.

Below are the assignments to complete your Jr. Ranger program. Good Luck and Have Fun!



Sea Bean

Sea Bean Level:

Complete activity booklet

Pick up a bag of trash

You will earn a decal and certificate



Seashell

Seashell Level:

Complete activity booklet

Pick up a bag of trash

Join a ranger led program

You will earn a patch or badge and a certificate



Sea Star

Sea Star Level:

Complete activity booklet

Pick up a bag of trash

Complete Digital Dig activity at Seminole Rest

Go on a ranger led program

You will earn a patch and a badge and a certificate



The Arrowhead Patch

Emblem of the National Park Service



The arrowhead is the emblem of the National Park Service. You will see it in every National Park you visit. It is found at the entrance to the park and on Information Centers and other buildings. Below is the outline of the arrowhead, but it is incomplete. Find an Arrowhead in the park and complete the drawing.



Zebra Swallowtail Butterfly

Fun Fact: The Zebra Swallowtail Butterfly's first meal is its own eggshell



Nine Banded Armadillo

Fun Fact: Armadillos are the only living mammals that wear a shell

Brown Anole

Fun Fact: Brown Anoles can detach parts of their tails if captured, the detached tail will continue to move and hopefully distract the predator



Dragonfly

Fun Fact: A Dragonfly can fly over 10 mph, some have been recorded to fly up to 34 mph



Let's Fill in the Blanks!

Each item in the arrowhead path emblem for the National park service represents a feature protected within all National Park sites. Look at the design of the patch and find the items that fit in the blanks:

1. The _____ represents all plants.
2. The _____ represents all animals.
3. The _____ represents land formations.
4. The _____ represents all waters.
5. The _____ represents history.

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Endangered or Threatened that is the question?

One of the most exciting things to see when coming to a national park is the wildlife. Here at Canaveral National Seashore we have fourteen threatened and endangered species. A threatened species is an animal whose survival is at risk to the point of endangerment and an endangered species is on the brink of extinction.

It is our job as Junior Rangers to help these species as best we can. Write down three ideas that you can use at home and at the park that would help the wildlife.

1. _____

2. _____

3. _____

Draw a line from the animal to its name. Write a letter "E" for endangered or a letter "T" if you think the animal is on the threatened species list.

Southern Bald Eagle •

Wood Stork •

Eastern Indigo Snake •

Florida Scrub Jay •

Loggerhead Sea Turtle •

Atlantic Right Whale •

Gopher Tortoise •

Peregrine Falcon •

Southeastern Beach Mouse •

Name the three sea turtles that nest at Canaveral National Seashore. (hint: one is listed above)
Write an "E" for endangered or a "T" if it is a threatened species:

1. _____ = _____

2. _____ = _____

3. _____ = _____

To check your answers go to www.nps.gov/cana.
Then click on "Teachers", next click on "Teachers Guide",
and then click on endangered and threatened wildlife at CANA.



JUNIOR RANGER



Loggerhead



Green Turtle

Plant Sense

At Canaveral National Seashore we have various types of ecosystems that are in the tropic and sub-tropic zones. The different types of ecosystems support many living organisms such as plants and animals. Three of our ecosystems support various plant life that are both native and non-native species.

The first type of ecosystem we have is the dune. The dune holds a variety of plants that help stabilize the dunes against erosion. That is why it is very important not to trample on the dunes and destroy the sea oats and railroad vine that grow there.

As you cross from the dune you enter the hammock zone. A hammock is like a forest except that it grows near marshlands. You may notice that the trees are bent and curly looking, this is from the strong winds and salt air coming from the ocean. Another important ecosystem in Canaveral National Seashore is Mosquito Lagoon. The Mangrove trees act as a habitat for a wide range of fish and birds and also filter the brackish water to help keep it clean. The sea grass that grows below the water provides spawning areas for fish and food for manatees.

Which ecosystem are you in? _____

Draw a picture of a plant

Does it have any flowers or seeds on it? What color is it?
Describe in detail the plant you have chosen.

What does the plant feel like? (is it waxy, smooth, prickly):

Each plant has its own unique smell. What does your plant smell like?



Sea Grapes

Fun Fact: Early settlers in Florida would use the leaves of the Sea Grape tree as a post card to send home to their families



Beach Morning Glory

Fun Fact: The Beach Morning Glory plant can be found on our beach, as well as beaches in Australia



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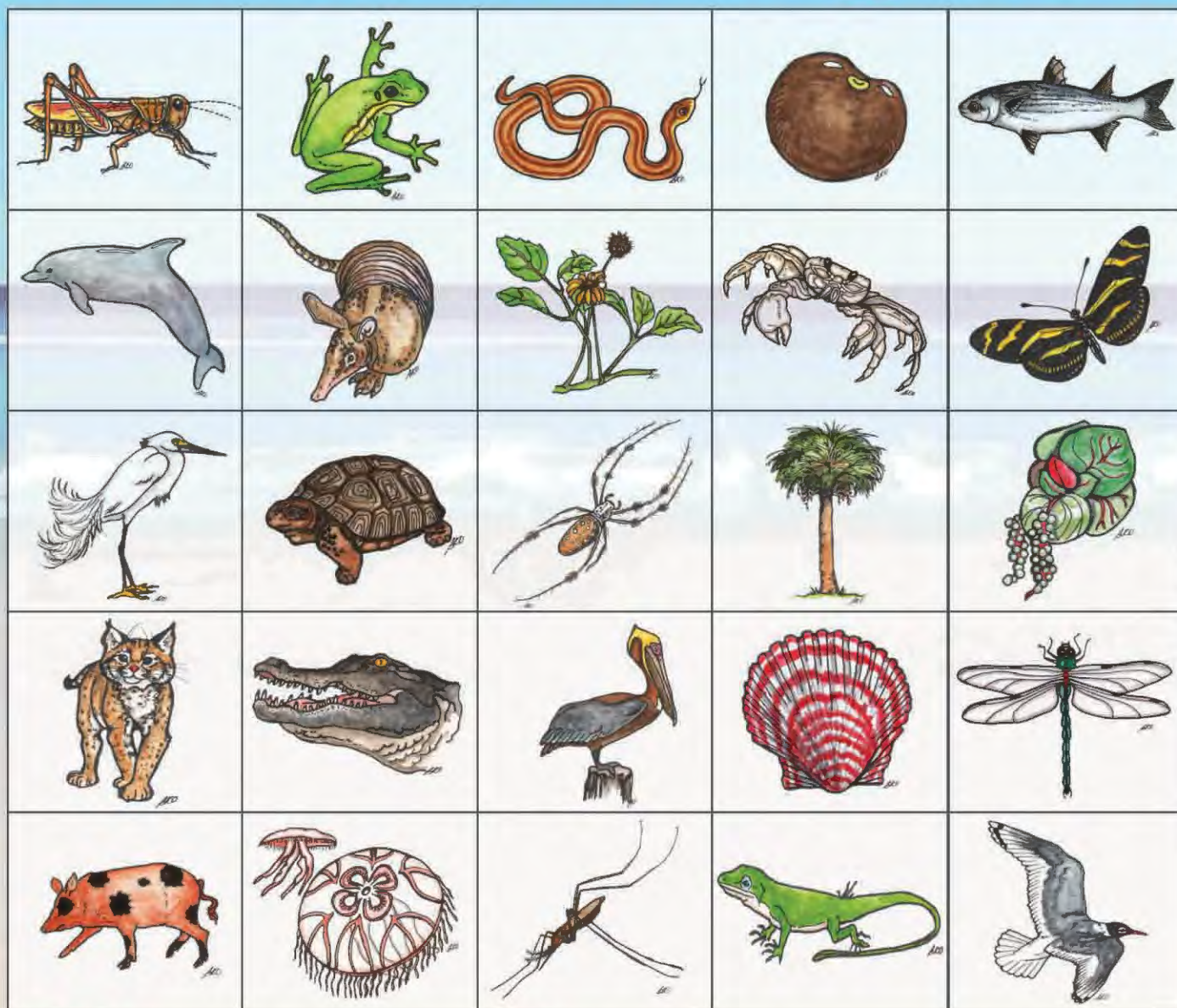
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Seashore BINGO

Here's a Bingo game that you can play. Each of these things can be found somewhere in the park. When you find one of the items on the card below, mark it off until you get a BINGO!

BINGO



Discover the Lagoon

At the water's edge: A lagoon is a body of water surrounded by land. It is separated from the ocean by a barrier island and is connected to the ocean at an inlet. The water in the lagoon is called brackish, which means it is a mixture of salt and fresh water. Many animals begin life in the lagoon, making it the cradle of the ocean.

The lagoon is also home to dolphins, manatees and sea turtles. Some live in the lagoon all their lives and some migrate from the lagoon to the ocean. Mosquito Lagoon is considered a habitat or home for these animals.

Bottlenose Dolphins

Fun Fact: The brain of a Bottlenose Dolphin is larger than a human brain



Of the pictures you see below, which of things shown would **NOT** be at home in Mosquito Lagoon. Cross them out.



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Ancient People



Archaeology is the study of past civilizations. The clues found in the Timucua Indian mounds help us to relate to their way of life; like us they needed shelter, food and clean water. Skills learned in everyday life help us live in our society, just as the skills learned by Timucua children helped them to live in theirs.

Imagine yourself as a Timucua Indian child and answer the questions below.

What type of transportation would you and your family use to get to Turtle Mound?

Every day Timucua children played games, what kind of games would you play?

What types of food would you eat?

Every year you and your family come to Mosquito Lagoon to harvest clams, what other activities could you do here?

Seminole Rest

The story of Seminole Rest is long and rich, it spans from 2000 BC to today. When investigating other cultures it is important to compare their lives to our own. The Digital Dig will offer you a glimpse back in time.

Watch the Digital Dig and draw three Timucua Indian items that are similar to what you have at home.



On the next page you will find artifacts and animals hidden in the Picture.

Can you find all of them?
Circle the artifacts & animals that you have found.

Good Luck!

Fish Hook

Bob Cat

Shell Axe

Basket

Ear Pin

Armadillo

Wood Spindle

Deer

Club

Pileated Wood Pecker

Shell Bracelet

Great Horned Owl

Whelk Shell Bowl

Snake

Clay Pot

Tree Frog

Necklace

Opossum

Broken Pottery Shard

BONUS:

Broken Pottery
(Swift Creek Design)





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Have Fun Coloring this Florida Native

FACTS:

Description: the Florida Scrub Jay is a beautiful blue and gray bird that is only found in Florida. It has a bright blue head, tail and wings. Its chest, stomach and back are a soft shade of gray.

Habitat: Florida scrub is their favorite habitat. This type of environment includes Sand Live Oak, Sand Pine and other low lying trees that are found in central Florida.

Food: Caterpillars, insects, acorns, seeds, tree frogs, turtles, and lizards are their favorite foods.

Family: Young scrub jays will stay with their families for several years to help watch for predators, defend their territory, as well as help with their siblings. Scrub jays benefit from fire in their environment, can you think of why this would be true?

Status: Threatened Species

Florida Scrub Jay

(*Aphelocoma Coerulescens*)



COLOR
the Scrub Jay



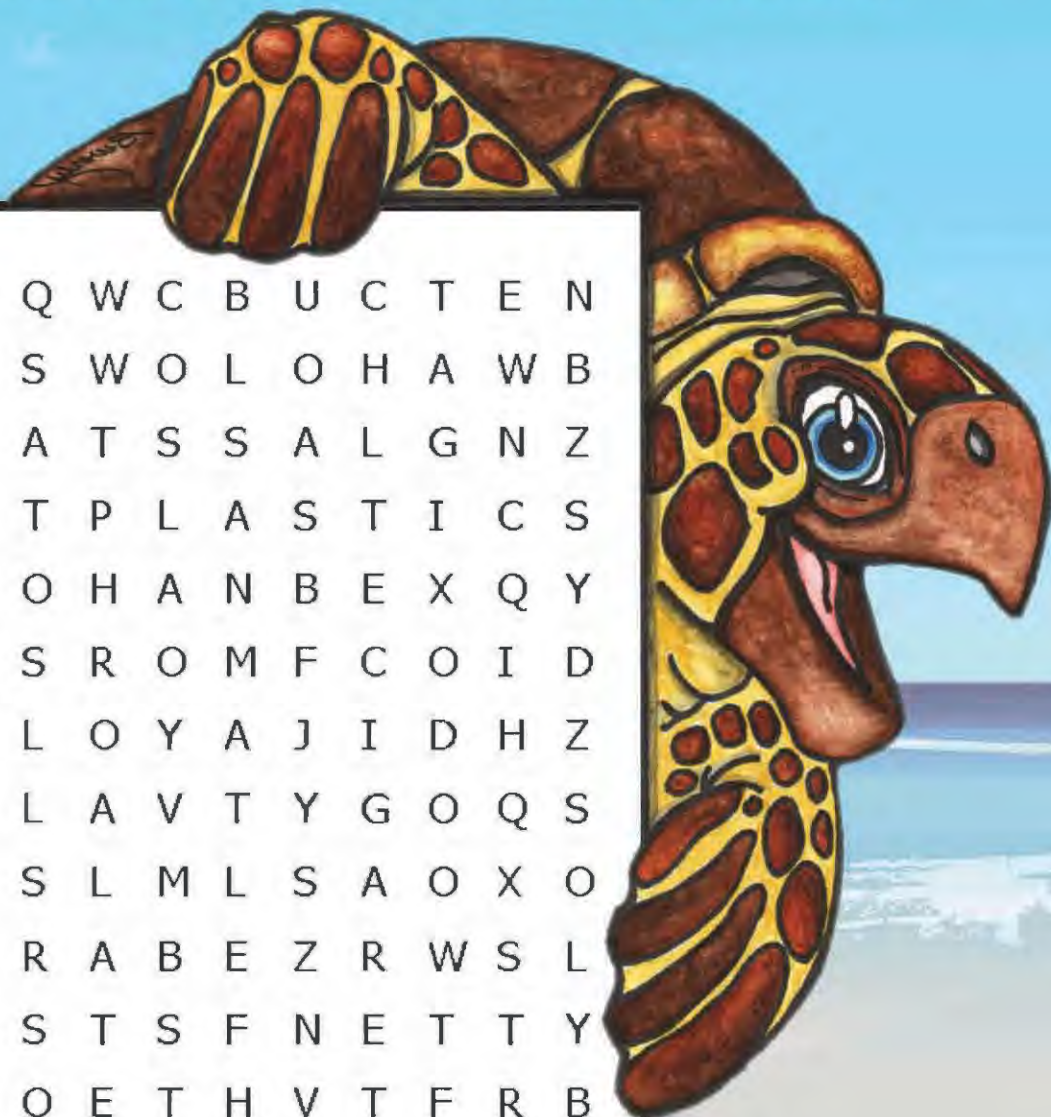
Pintail



Hazelhen

Let's Talk Trash

When trash is left on the beach, it becomes a hazard to wildlife. Sea Turtles may mistake a deflated balloon for jellyfish, their favorite food. This can make them very sick. Most of the debris comes in on the tides, less than 10% is actually left by visitors. As a Junior Ranger can you come up with some ways to keep the beach clean?



M	N	M	Y	K	Y	Q	W	C	B	U	C	T	E	N
M	O	T	A	X	F	S	W	O	L	O	H	A	W	B
T	I	N	R	O	T	A	T	S	S	A	L	G	N	Z
Q	U	O	O	R	F	T	P	L	A	S	T	I	C	S
B	A	R	A	F	L	O	H	A	N	B	E	X	Q	Y
G	R	W	T	E	I	S	R	O	M	F	C	O	I	D
I	S	K	C	L	A	L	O	Y	A	J	I	D	H	Z
T	J	A	O	R	E	L	A	V	T	Y	G	O	Q	S
I	P	G	T	S	L	S	L	M	L	S	A	O	X	O
S	E	L	C	A	N	R	A	B	E	Z	R	W	S	L
X	Y	W	B	A	G	S	T	S	F	N	E	T	T	Y
T	A	F	Z	W	G	O	E	T	H	V	T	F	R	B
N	L	I	O	N	Y	P	M	N	X	J	T	I	I	E
R	H	S	B	S	B	O	C	M	K	S	E	R	N	G
E	W	H	Y	Z	Z	A	J	O	D	X	S	D	G	N

String

Trash

Turtles

Fish

Plastic

Bags

Cans

Oil

Glass

Shoes

Metal

Toys

Balloons

Monofilament

Bottle Caps

Barnacles

Styrofoam

Driftwood

Cigarettes

Straws

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Congratulations! Junior Ranger!



After you have successfully completed all the requirements take this booklet to the information center or ranger station where you will receive an official Junior Ranger certificate and the award for the level that you have completed!

Date _____

Program Title _____

Ranger Signature _____



**JUNIOR
RANGER**

Thank you, Junior Ranger for visiting us here at Canaveral National Seashore!
We hope that you will come back again and visit with us again!
Visit our website at www.nps.gov/cana
for more information on our park.

**JUNIOR
RANGER**

Don't forget that you can become a Web Ranger if you go to www.nps.gov/webrangers. When you complete all of the activities you will receive a Web Ranger patch. Have Fun!



West Indian Manatee

Fun Fact: A manatee can eat a tenth of its own weight in 24 hours



Illustrations by: Beverly Osborne, Written and Designed by: Leslie Peters and Laura Henning.

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