

# DAYTONA AQUARIUM AND RAINFOREST ADVENTURE BADGE GUIDE

girl scouts  
of citrus



1008 West International Speedway Blvd.  
Daytona Beach Florida, 32114

# DAISY BADGE GUIDE



## Animal Observer:

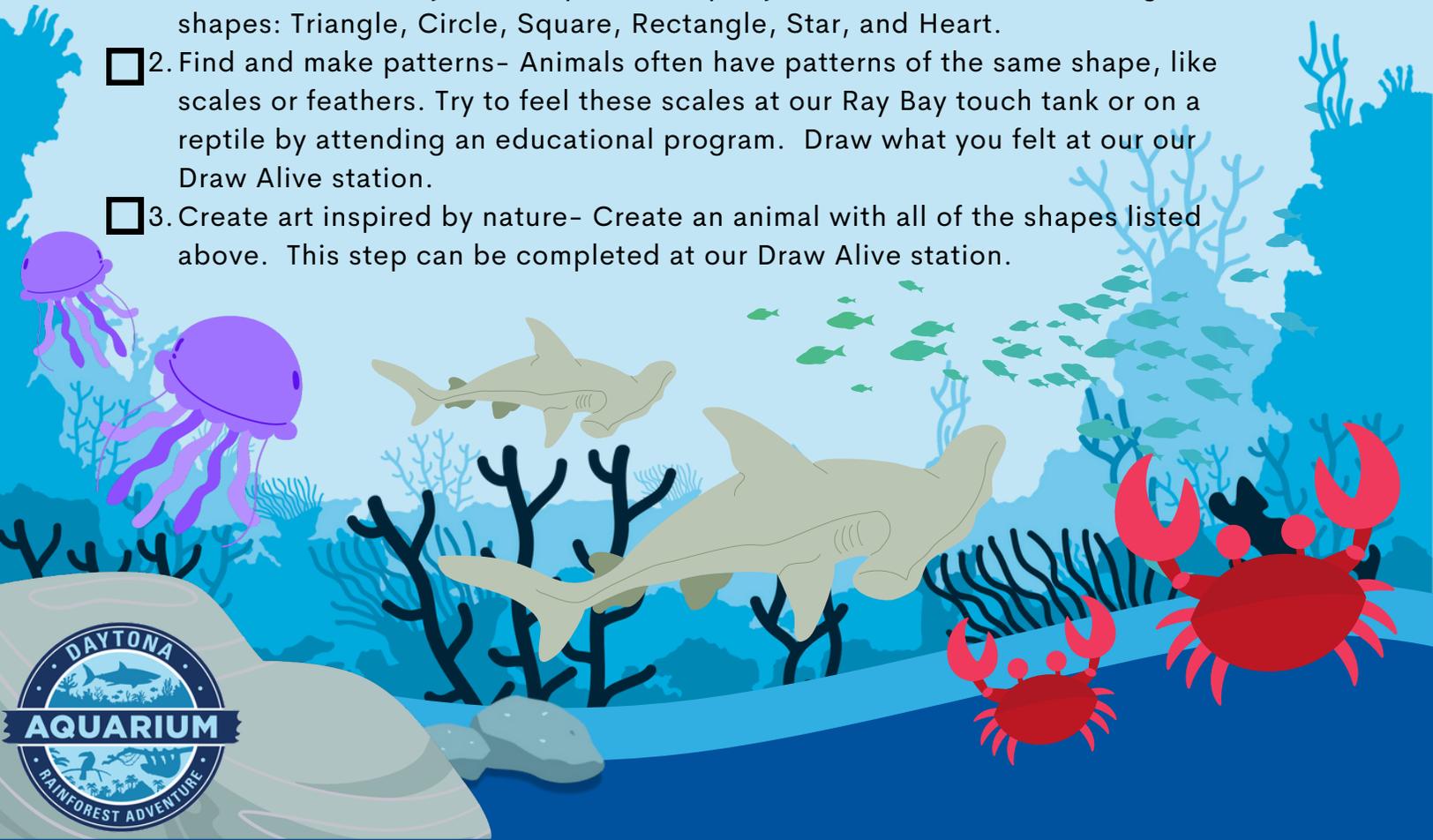
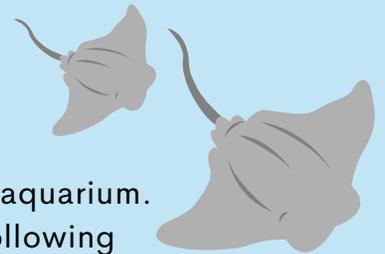
- 1. Be an animal observer- Explore how an animal behaves by attending an educational program.
- 2. Play an animal observation game- Try and find animals that use camouflage to hide in their enclosures.
- 3. Focus on one animal- Draw a picture of your favorite animal you saw at the aquarium and include facts you learned about the animal.

## Make the World a Better Place:

- 1. Learn about the pollution that is on our beaches and in our waterways.
- 2. Brainstorm 3 ways that people can reduce their trash.
- 3. Share these tips with your family or one of our team members.

## Shapes in Nature:

- 1. Search for shapes in nature- Go on a scavenger hunt around the aquarium. Look for natural objects. Tally how many objects in each of the following shapes: Triangle, Circle, Square, Rectangle, Star, and Heart.
- 2. Find and make patterns- Animals often have patterns of the same shape, like scales or feathers. Try to feel these scales at our Ray Bay touch tank or on a reptile by attending an educational program. Draw what you felt at our Draw Alive station.
- 3. Create art inspired by nature- Create an animal with all of the shapes listed above. This step can be completed at our Draw Alive station.



# BROWNIE BADGE GUIDE



## Bugs:

(This badge focuses on learning about animals and their habitats in general versus focusing specifically on bugs and their habitats)

- 1. Create your own animal- Imagine a new species of an animal you saw at the aquarium and draw a picture of your new animal.
- 2. Try a Bug Craft- Draw the habitat your new animal would live in.
- 3. See Animals in Action- Explore how an animal behaves by attending an educational program.
- 4. Explore Animal Homes- Observe 3 animals in their enclosures.
- 5. Take an Animal Field Trip- Check out the Animals at the Daytona Aquarium and Rainforest Adventure.



## Shapes in Nature:

- 1. Track natural objects- Pick an exhibit in the Aquarium and keep a tally of the four natural objects - Animals, Plants, Bugs and Rocks.
- 2. Graph natural objects- Create a bar graph showing how many of each natural object you found.
- 3. Draw symmetry made by nature - Look around the aquarium for animals that are symmetrical. See how many you can find.
- 4. Explore tessellations- Tessellation in animals refers to natural arrangements with a pattern of the same shape, like scales. Try to feel these tessellations at our Ray Bay touch tank or on a reptile by attending an educational program.
- 5. Collect data about birds- Observe the birds in our Lorikeet Aviary. Try to see the difference between the different species. Count how many birds you observe.



# JUNIOR BADGE GUIDE



## Animal Habitats:

- 1. Find out about wild animals- Explore how an animal behaves by attending an educational program.
- 2. Investigate an animal habitat- Visit the aquarium and explore different habitats where the animals live.
- 3. Create a story about a baby animal home- Learn how the parents take care of their young, feed them, and make nests or shelters to protect them. Then have each Junior write or draw a story about their favorite animal parent and baby. How do they live? What does the parent do to protect the baby?
- 4. Explore endangered habitats- Explore the Coral Reefs and learn about why they are in danger, what is happening to the animals, how animals adapt, and what people can do to help.
- 5. Host an animal awareness party and plan a presentation about an endangered animal you've learned about- Dress up like the animal or draw a picture to tell the story of the animal. Be sure to include where it lives, why it is endangered, and how others can help.

Step 5 needs to be completed at home.

## Shapes in Nature:

- 1. Identify radial symmetry in nature- Search for a few examples of symmetrical animals around the Aquarium. One example would be our Sea Stars.
- 2. Explore bilateral symmetry in nature- Search for a few examples of animals with bilateral symmetry around the Aquarium. One example would be our Octopus.
- 3. Make art with concentric circles- Create a piece of art using concentric circles inspired by nature. This step can be completed at our Draw Alive station.
- 4. Find fractals in nature- Search for a few examples of fractals around the Aquarium. One example would be our Coral Reef.
- 5. Search for the Fibonacci sequence- Search for a few examples of the Fibonacci sequence around the Aquarium. One example would be our Chameleon's Tail.





# CADETTE BADGE GUIDE



## Night Owl:

- 1. Get Into Nightlife- At the aquarium, gather three fun facts about a creature's nocturnal habits.
- 2. Tour the Aquarium during the day. Then, speak with an employee who can explain how the aquarium is different at night.- Do the animals sleep? Do they behave differently? What happens at night?
- 3. Be an investigative reporter- Learn about nocturnal animals. How are they different from diurnal animals (animals that are more active during the day)?
- 4. Create a nocturnal animal- Based on what you learn at the aquarium, design your own super-night-sense animal, combining aspects of real animals and your own ideas. Share it as a sketch.
- 5. Plan a night activity for younger girls, educating them about how the animals you saw at the aquarium behave at night.

Step 5 needs to be completed at home.



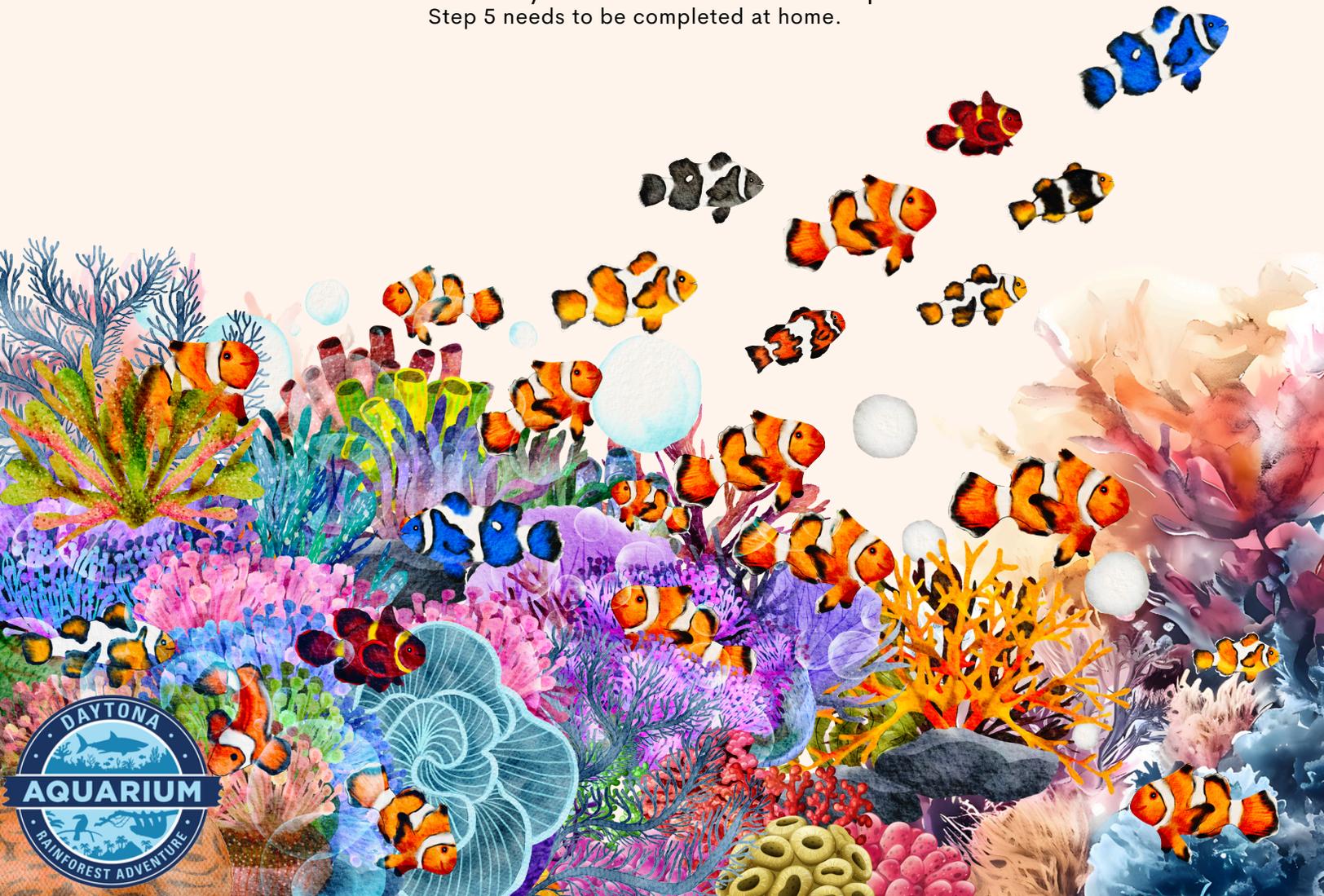
# SENIOR BADGE GUIDE



## Voices for Animals:

- 1. Find out about domestic animals- Talk to a reptile keeper and an aquarist about the animals that were adopted from homes as pets.
- 2. Investigate animals used for science- Find out what animals are used for and how they're treated. Learn about axolotls and their regeneration properties. Learn about ethical horseshoe crab blood harvesting.
- 3. Visit the aquarium and talk to a reptile keeper about their ambassador animals- these are the animals that have a job at the aquarium, to educate visitors. This requirement can be completed at an educational program.
- 4. Take a look at animals used for sports and entertainment- Interview people behind the scenes. Talk with a reptile keeper about that daily routine of the animals, how they are cared for, and what happens when an animal gets sick.
- 5. Compose an editorial or create a public service announcement educating others about an animal issue you learned about at the aquarium.

Step 5 needs to be completed at home.



# AMBASSADOR BADGE GUIDE



## Water Badge:

- 1. Have fun reflecting on the relationship with water- Take a special water badge trip to the aquarium to enjoy a day with water.
- 2. Celebrate water art and create your own- Take pictures of the water you see in the exhibits to create a water collage.
- 3. Find out about water issues- Investigate endangered marine life by interviewing a marine biologist about the need to protect coral reefs for marine and human life.
- 4. Interview a marine scientist who investigates bodies of water, underlying geology, and organisms that live in oceans, lakes and streams- Find out how the scientist became interested in their field, what they studied in school, and how they got the job. Share what you learn with others.
- 5. Share about a water issue that is important to your community. It could be a speech or article in which you explore the issue and make an action recommendation. You could publish is in a newspaper or on a website.

Step 5 needs to be completed at home.

## Photography:

- 1. Explore the power of photography- Look at the photographs on the Save Our Seas boards without reading the accompanying text and see if you can "read" the story it tells.
- 2. Focus on the 4 elements of composition- Take 5 photos form a different vantage point. Try to shoot images from above, below, or at some other angle.
- 3. Focus on light- Take 5 photos of one animal as they move through their exhibit. See how the light changes the shadows as the animal moves.
- 4. Focus on motion- Take photos of animals in motion. Shoot five different animals in motion, or one animal in five different stages of motion.
- 5. Tell a story with photography- Make a digital slide show. Post your photographic story in a private online space for family and friends.

Step 5 may need to be completed at home.

