

January 20, 2023

Ms. Kelly Martin
Vice President of Zoological Care
Clearwater Marine Aquarium
249 Windward Passage
Clearwater, Florida. 33767

RE: AMMPA accreditation of Clearwater Marine Aquarium

Dear Kelly,

This letter is to confirm that Clearwater Marine Aquarium has been accredited by the Alliance of Marine Mammal Parks & Aquariums following an Alliance inspection of the facility October 25 and 26, 2022 conducted by Shelley Ballmann and Dennis Christen.

The inspection evaluation report, which takes into consideration all criteria set forth in the Alliance's Accreditation Program and Standards & Guidelines, was approved by both the Accreditation Commission and the Alliance Board of Directors.

As you know, Alliance member facilities are required to participate in a re-accreditation of their facility five years from the date of their previous inspection.

On behalf of the AMMPA Board of Directors, congratulations on your facility's successful accreditation and welcome to the Alliance! We look forward to your involvement in the Alliance community.

If you have any questions about accreditation or the work or activities of the Alliance, please don't hesitate to reach out to me.

Sincerely,



Kathleen Dezio

An international organization dedicated to conservation through public display, education, and research.





9.1 Clearwater Marine Aquarium Interactive Programs

Interactive Programs

Under supervision of the Clearwater Marine Aquarium's Animal Care and Veterinary Management team, CMA offers a variety of interactive programs that allow our staff to create educational and memorable moments for our guests.

Dolphin VIP Experiences

- Ratio of trainer per guests 1:1 up to 1:5
- Ratio of dolphin per guest 1:1 up to 1:5
- Guests spend time poolside with animal care staff learning about the anatomy, intelligence, and conservation. This program does not include or guarantee that the guest may touch the dolphin.
- Guest may feed the dolphin.
- Minimum age for participation: 7 years
- Program is offered:
 - 1 time a day on Monday, Wednesday, Friday, Saturday and Sunday
 - 2 times a day on Tuesday and Thursday
- Guests must wash and sanitize hands before interactions.

Rough Toothed Dolphin VIP Access with the Dolphin Specialists

- Total program duration is 15 minutes.

Bottlenose Dolphin VIP Access with the Dolphin Specialists

- Total program duration is 30 minutes. Guests will be poolside for 2 training sessions.

Dolphin Photo Experiences/Opportunities

- 3 groups per 1 dolphin per session (individual or a group up to 10 guests)
- Guest is poolside next to the animal while professional photographer captures the moment.
- Offered as an individual or group (10 maximum)
- Guests must wash and sanitize hands before interactions

Photo Moment with Rough-Toothed Dolphins

- Ratio of trainer to guests 1:1 up to 1:10 for 3 groups
- Ratio of dolphin to guests touching 1:1 for 3 groups
- Only one person is permitted to touch the dolphin (hand target) Minimum age for touch is 5 years old.
- Offered 1 time a day on Monday, Wednesday, Friday, Saturday and Sunday*
*During special night events this program may be offered

Photo Moment with Bottlenose Dolphins

- Ratio of trainer to guests 1:1 up to 1:10 for 3 groups
- Ratio of dolphin to guests touching 1:1 for 3 groups
- Only one person is permitted to touch the dolphin (hand target) Minimum age for touch is 5 years old.
- Offered 1 time a day on Monday, Wednesday, Friday, Saturday and Sunday

**Action Photo Moment with Bottlenose Dolphins**

- Ratio of trainer to guests 1:1 up to 1:10 for 3 groups
- Ratio of dolphin to guests (no touching) 1:1 for 3 groups
- All ages may participate
- Offered 1 time a day on Monday, Wednesday, Friday, Saturday and Sunday
- Aerial behavior behind group

Guest Interaction Program Conservation Messages

Talking points about conservation during dolphin interaction program:

1. As you can see our focus is the dolphins' health and well-being, not only of our resident animals, but of their ocean counterparts. Bottlenose dolphins are not listed as endangered, yet they do suffer from negative interactions with people. Injuries and mortalities from entanglement in commercial and recreational fishing gear are among the most serious threats that dolphins face.
2. Marine mammals, including dolphins, are all protected by the Marine Mammal Protection Act which was put into place in 1972. Interaction, such as swimming, touching, or feeding dolphins in the wild, teaches them to approach boats, exposing them to potential propeller strikes, ingestion of foreign objects, or intentional harm from humans. Feeding wild dolphins or even approaching them within 50 yards is illegal and can be dangerous to both the animal and person involved. Please remember to enjoy wildlife, but only from a distance! Dolphin SMART messaging.



Dolphin Presentation

Dolphin Presentation Outline

Daily: 7 days a week

Times: 11am, 1pm, 3pm

- Introduction to staff
- Introduction to animal- discuss their rescue story
- Training
 - Relationship building/ enrichment
 - Husbandry
 - Cognitive
 - Exercise
- Dolphin Anatomy
 - Rostrum
 - Blowhole
 - Flippers
 - Fin
 - Peduncle/ tail flukes
- Marine Mammal Protection Act- take away message/ call to action
 - Will relate it back to the animal's story that is participating in the presentation
- Thank you for supporting CMA



Educational Goals & Strategies

Clearwater Marine Aquarium offers a multitude of learning opportunities to encompass our diversified audience. We have an entire array of programs ranging from onsite presentations and exhibits to summer camp programs to offsite programming. Our programming spans generations and is adequate for children up to adults and seniors. We offer in-person educational opportunities throughout the Aquarium, in our classrooms, as well as a full complement of virtual learning opportunities.

The goals of the educational programming at Clearwater Marine Aquarium are as follows:

1. Awareness: To raise awareness with guests and visitors about the marine environment, its inhabitants, and conservation needs through our educational programming.
2. Knowledge: To educate guests and visitors about the marine environment, its inhabitants, and conservation needs through our rich and robust educational programming.
3. Attitude: To provide knowledge to guests and visitors so that they may acquire a set of environmental protection and conservation values through our educational programming.
4. Skills and Capacity Building: To help guests and visitors develop the skills necessary to take action and preserve and protect the marine environment through our educational programming.
5. Participation: To provide guests and visitors with the skills necessary to become involved at all levels to take action in environmental conservation

The strategies of the educational programming offered at Clearwater Marine Aquarium are as follows:

1. Summer Camps

Summer camp programs are one week in duration and span from June to August. Summer Camp programming ranges from Kindergarten through High School. Campers enjoy creative classroom activities and have fun learning about marine mammals and conservation while out and about in the aquarium. At Clearwater Marine Aquarium, we have 25 camps that cover marine mammals and their ecosystems, including bottlenose dolphins, rough-toothed dolphins, and manatees. Our camp options feature snorkeling in seagrass beds and sand flats, kayaking through local estuaries, and discovering fascinating marine mammals in their natural habitat. While on these excursions, students learn about our estuary system and the marine mammals that call it home. They also explore ways we can support the natural habitats and ensure it remains a healthy ecosystem for the local marine mammal species. Summer camp programs explore marine mammal behavior, anatomy, and physiology, and ecology in an engaging and educational setting while promoting conservation action.

2. Outreach



Clearwater Marine Aquarium participates in community outreach events across the state of Florida. Through attending festivals, community events, school fairs and presentations, and special events Clearwater Marine Aquarium educates hundreds of thousands of guests beyond our doors about marine science, marine mammals, and conservation.

The Aquarium participates in offsite tabling events at dozens of festivals each year, including the Saint Petersburg Science Fest, SharkCon, Right Whale Festival, Girl Scout Fest, Girl Scout STEMpalooza, and STEAMFest. During these events, Aquarium staff members engage in hands-on, interactive demonstrations and activities that teach visitors about marine science, marine mammals, and conservation. Aquarium staff also have biofacts at the table that they can use to draw connections to the animals and topics being discussed. The target audiences of these festivals vary, as some are specific to students in kindergarten through high school while others are open to the general public.

Aquarium staff also frequently attend school events and functions, such as science fairs, career fairs, classroom presentations, and PTA meetings to educate students about marine mammal behavior and adaptation. During these school functions, Aquarium staff have the opportunity to interact with students during tabling events or classroom-style presentations to introduce them to the marine world through engaging and interactive lessons and activities.

Another part of Clearwater Marine Aquarium's outreach efforts involves attending special events throughout the local community. Each year Aquarium staff attend the local Clearwater Threshers minor-league baseball team's Education Days during the summer. The Aquarium also works with two partnership hotels to offer weekly educational programming for the hotel guests to enjoy during their stay. During outreach events, staff engage and educate visitors of all ages about marine mammals and other species residing at our facility.

Clearwater Marine Aquarium also participates in the Great American Teach-In each year, both in-person and virtually, educating in over 25 schools each year. This event is so popular that teachers begin filling requests for Clearwater Marine Aquarium to participate up to a year in advance. During these sessions, Aquarium staff educate students ages K-12 about the work we do at the Aquarium to rescue, rehabilitate, release, and educate about marine life and conservation.

3. Community Service

Clearwater Marine Aquarium hosts cleanups throughout the year that are offered to staff, volunteers, and the general public. During these cleanups, participants clean the local environment while learning about the hazards to marine life, thus taking an active role in marine conservation. Participants help remove trash from the beach, local lakes and reservoirs, and mangrove-lined causeways. Clearwater Marine Aquarium also participates in the Ghost Trap Rodeo in which participants collect and remove derelict crab traps that could be a threat to marine life. This event is open to the general public and educates participants on the dangers of entanglement to marine mammals.

4. Tours

Clearwater Marine Aquarium offers both guided walking tours of the aquarium and narrated boat tours in Clearwater Bay. These tours cover both our resident marine mammals and the local marine



mammals that live within Clearwater Bay. Our guided tour of Clearwater Marine Aquarium allows participants to get an inside look into our working marine animal hospital and to learn about our resident animals from a marine biologist. These tours are conducted for the general public, school groups, and adults.

On the Dolphin and Wildlife Tour, participants explore Clearwater Bay during this 60-minute eco-boat cruise. Participants of any age learn about members of our local dolphin population, travel around a bird sanctuary island, and view seasonal local wildlife. This tour is led by staff marine biologists who educate guests about dolphin behavior, ecology, feeding, and conservation while guests are able to view opportunistic sightings of local bottlenose dolphins.

5. Curriculum

Clearwater Marine Aquarium offers online curriculum for students ranging in age from kindergarten through twelfth grade. Each lesson is designed to reach the Florida standards for either science, math, or language arts with a marine science twist. The second-grade unit is called Dolphin Dynasty and focuses on anatomy, life cycles, adaptations, and the environment that dolphins need to survive. The seventh-grade unit is called Cetaceans and covers topics including the scientific theory of change, heredity, DNA base pairing, Punnett squares, pedigrees, and the energy transfer in food webs. The high school language arts courses include information on how to read scientific articles about dolphin and manatee research. There are also programs that are not age-specific that include courses that focus on marine animal rescue, dolphin research, and information about our working marine animal hospital. Free courses include a series about pilot whales for elementary schoolers, middle schoolers, high schoolers, and teachers that includes the CMA short film Stranded: A Pilot Whale Rescue Story. In this series, there are extension lesson plans that students and teachers can download to enhance their learning in the non-virtual world.

6. Exhibits

Throughout the Aquarium, there are several educational exhibits that focus on marine mammals. Located in the Ruth and J.O Stone Dolphin Complex are nine viewing windows offering sweeping underwater views of our resident dolphins. This habitat also has an above water viewing area where guests can see the dolphins and their care sessions from another angle. The Aquarium also houses an otter exhibit, which is home to two North American River Otters.

Special educational events and exhibits, such as "Walking with Whales" and "Dolphintopia" have accompanying educational signage and content educating guests on anatomy, physiology, and ecology of whales on dolphins.

Clearwater Marine Aquarium staff members are present throughout the aquarium at exhibits, underwater animal viewing areas, and poolside to assist guests with the discovery of the relationship of our animals and educational content through the use of biofacts, first-hand experiences, and the educational exhibits discussed previously rather than just conveying factual content. Staff is skilled at translating technical language associated with these experiences into terms and ideas that guests can readily understand. As many of our resident animals serve as ambassadors for their species, our



interpretive education helps bridge the emotional and intellectual connection between the interests of our guests and the information inherent in the education content.

7. Graphics

Enhancing the spectacular views in the Ruth and J.O. Stone Complex are several educational exhibit boards with a wide range of information on bottlenose dolphins, hands-on interactive activities for children, colorful graphical representations, and relevant education and conservation content allowing guests to expand their knowledge. Around the perimeter of the dolphin complex, Aquarium guests can explore the world of dolphin anatomy and physiology, behavior, animal care, dorsal fin identification research, and ecology; and become conservation advocates as they learn about our resident's stories with interactive educational signage.

8. Presentations

Clearwater Marine Aquarium hosts a variety of guest programs and presentations designed to be educational and meaningful experiences where interactions with our cetaceans highlight the importance of conservation. In interaction programs, guests are invited to participate in enrichment opportunities and training sessions with the aquarium's seven resident dolphins. Each guest interaction is catered to the needs and skill level of the dolphin participating in the program. During the program, guests are able to learn firsthand about training through positive reinforcement, and may have the opportunity to observe cognitive, exercise, or husbandry training. As a conclusion to the program, guests are educated on conservation efforts which help wild counterparts through their up-close experience with our resident rescue stories.

Aquarium staff members also conduct presentations at the animal exhibits to assist guests with the discovery of the relationship of our animals and to educate them about the anatomy, physiology, behavior, and care of marine mammals. Staff is skilled at translating technical language associated with these experiences into terms and ideas that guests can readily understand. These presentations often occur during care sessions of the resident animals so that guests can see firsthand the care, behavior, and anatomy being discussed.

9. Publications

Clearwater Marine Aquarium has published several scientific journal articles about cetacean behavior and morphology. These articles are targeted toward the scientific community and explore topics such as the migration, genetics, anatomy, phylogenetics, behavior, and conservation of manatees, dolphins, and whales. Through these articles, researchers are better able to understand and conserve manatees and cetaceans while also gaining a deeper insight into the lives of these animals.

10. Pamphlets and Brochures



2023-24 Educational
Planner.pdf



2024 Marine Science
Camp Brochure.pdf



LEARNING LATITUDES

CLEARWATER MARINE AQUARIUM
EDUCATIONAL PLANNER
2023 – 2024



TABLE OF CONTENTS

About the Marine Academy	3
About Clearwater Marine Aquarium	3
Group Visits and Field Trips	4
Build-Your-Own Group Visit	5
Educational Add-Ons	6-7
Sea-sonal Family Fun	8-9
Pre-K Pod Pals	10-11
Group Boating and Snorkeling Adventures	12
Group Programs	13
Off-Site Programs	14-16
Contest	17
Virtual Field Trips and Online Curriculum	18
Marine Science Summer Camp	19
Career Exploration and Junior Career Quest	20



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ABOUT CLEARWATER MARINE AQUARIUM



HOURS OF
OPERATION

10am - 6pm daily*

*Call to confirm times

DIVE INTO DISCOVERY WITH CMA'S MARINE ACADEMY

The Marine Academy at Clearwater Marine Aquarium is dedicated to inspiring learners of all ages to appreciate the world's aquatic biodiversity while promoting conservation action and empowering future generations to make a difference. Learners engage in an immersive and interactive marine science-focused curriculum developed by Clearwater Marine Aquarium educators, biologists, researchers, and animal care providers. As a participant in this unique learning experience, students have an opportunity to discover topics in marine science and conservation, with a unique perspective from a working marine animal hospital and the industry experts who work there.

The Marine Academy offers robust programming onsite at the Aquarium in our R.O. Jacobson Education Center including summer camps, field trip add-on classes, girl scout workshops, career exploration programs, and team building opportunities.

Bring the Marine Academy into your facility with afterschool programming, guest speakers, and in-class programs. Our educators can create custom programming specifically designed to fulfill your facility's educational goals. The Marine Academy also offers virtual content. Hope's Study Buddy programs are virtual STEM and marine science-based that focus on the elementary, middle, and high school national science standards. Virtual tours of CMA and online classroom programming are also available.



Clearwater Marine Aquarium is a non-profit 501(c)(3) organization.

We believe in preserving our environment while inspiring the human spirit through leadership in the rescue, rehabilitation, and release of marine life; environmental education; research; and conservation.

- Clearwater Marine Aquarium is a working marine animal hospital.
- Clearwater Marine Aquarium opened the Richard O. Jacobson Education Center featuring six new classrooms in 2020.
- In 1984, Clearwater Marine Aquarium successfully rehabilitated the very first dolphin to survive a stranding in Florida. Sunset Sam remained a resident at Clearwater Marine Aquarium until 2001.
- Clearwater Marine Aquarium responds to cetacean (i.e. dolphin and whale), manatee, and sea turtle stranding events in the Gulf of Mexico and greater Florida region. CMA's designated response areas include Pinellas, Hillsborough, Pasco, Hernando, Citrus, and Levy County.
- CMA became an integral member of the Southeast Region Stranding Network in 1979. Since its inception, CMA's Rescue Team has responded to over 600 stranded cetaceans and over 1,600 sea turtles.
- Clearwater Marine Aquarium has been actively involved in the rescue, rehabilitation, and release of over 40 North American river otters since our otter rescue program began 30 years ago.
- Clearwater Marine Aquarium's Summer Camp Program "Summer with Winter" was voted Nickelodeon's Best Day Camp (2009).
- CMA's Sea Turtle Conservation Team surveys approximately 21 miles of nesting beach each summer.

GROUP VISITS & FIELD TRIPS

PLAN YOUR NEXT FIELD TRIP WITH US!

GROUPS MAY VISIT CLEARWATER MARINE AQUARIUM ANY TIME. Group visits are a self-guided (Aquarium guide not provided) look at Clearwater Marine Aquarium. An educational program may be added to a Group Visit.

EDUCATIONAL GROUP ADMISSION (SCHOOLS, CAMPS, SCOUT GROUPS)

\$4.95 per person (Teachers receive free admission with a valid teacher ID). Additional educational group admission rate requires a minimum of 10 people.

EDUCATIONAL ADD-ON PROGRAMS

Visit our Education Center and enhance your field trip experience with an educational add-on program. *Due to limited class space only 1 adult per 10 children are permitted in the classroom during the program. Additional chaperones and parents are welcome to tour Clearwater Marine Aquarium during the program if admission is purchased.* Payment to confirm your booking must be received two weeks in advance.

AVAILABLE: September through May

LENGTH: 45 minutes

PRICE: \$3.00 per participant + admission

GROUP SIZE: Minimum of 10 and a maximum of 50 (consecutive sessions can be offered back to back to accommodate groups larger than 50).

EDUCATIONAL GUIDED TOURS

Join us for a guided tour of Clearwater Marine Aquarium to get an inside look into our working marine animal hospital. Learn about our resident animals from a marine biologist. Payment to confirm your booking must be received two weeks in advance.

AVAILABLE: Year-round

LENGTH: 45 Minutes

PRICE: \$3.00 per person

GROUP SIZE: Minimum of 10 and a maximum of 60 (consecutive sessions can be offered back to back to accommodate groups larger than 60).

*Groups that are **more than 15 minutes late** will forfeit their scheduled educational program without refund.

Please call 727-441-1790 x2262 to schedule a group visit with a program.

PAYMENT

Payment for admission only will be collected by cash, check, or credit card the day of your visit.*

*Payment for the educational add-on program and/or the educational guided tours is due at the time of booking and must be done two weeks in advance. Educational programs and/or guided tours are not guaranteed until payment is processed. Full refunds will be issued if cancellation notification occurs 14 calendar days prior to the scheduled program date. Refunds will not be issued if cancellation is received 13-0 days before the scheduled program date.

WE REQUEST THAT ALL GROUPS PAY AS A WHOLE TO MINIMIZE WAIT TIME AND CONFUSION WHILE IN LINE.

WHERE TO GO WHEN YOU ARRIVE

Groups should go to the meeting location listed below when they arrive depending on the type of group. Upon check-in, the group leader will pay for the entire group's admission if a balance exists. We recommend arriving 15 minutes before your scheduled program time for check-in. Please ensure bus drivers speak with a parking attendant to be directed to the designated loading/unloading area.

GROUP TYPE	MEETING LOCATION
School Groups	Outside By Spiral Staircase (First Floor)
Camps and Organizations	Main Entrance (Third Floor)
Scout Groups	Main Entrance (Third Floor)

BUILD-YOUR-OWN GROUP VISIT

Let us plan your group's visit! Select one of the combinations of programs below for a fun-filled and educational visit to Clearwater Marine Aquarium. Don't see a combination that fits your group's educational needs? Reach out to our Education Team at 727-441-1790 x 2262 to inquire about more options!

INTERESTED IN ADDING ON AN EDUCATIONAL BOAT TOUR? CHECK OUT PAGE 12 FOR MORE INFORMATION!

ADMISSION & ADD-ON CLASSROOM PROGRAM*

\$7.95 per participant

Each participant will receive admission to Clearwater Marine Aquarium. Select one of our classroom programs from pages 6-7 to enhance your educational experience and learn about a wide variety of marine science topics from one of our marine biologists.

ADMISSION & GUIDED TOUR

\$7.95 per participant

Each participant will receive admission to Clearwater Marine Aquarium. A marine biologist will provide an inside look into CMA's mission of rescue, rehab, and release through a 45-minute guided tour.

ADMISSION & SCAVENGER HUNT

\$7.95 per participant

Each participant will receive admission to Clearwater Marine Aquarium. Take part in a 45-minute self-led scavenger hunt throughout Clearwater Marine Aquarium that focuses on animal adaptations with a wrap-up conversation about conservation with a marine biologist.

ADMISSION, GUIDED TOUR, & ADD-ON CLASSROOM PROGRAM*

\$9.95 per participant

Each participant will receive admission to Clearwater Marine Aquarium. A marine biologist will provide an inside look into CMA's mission of rescue, rehab, and release through a 45-minute guided tour. Select one of our classroom programs from pages 6-7 to enhance your educational experience and learn about a wide variety of marine science topics from one of our marine biologists.

ADMISSION, SCAVENGER HUNT, & ADD-ON CLASSROOM PROGRAM*

\$9.95 per participant

Each participant will receive admission to Clearwater Marine Aquarium. Take part in a 45-minute self-led scavenger hunt throughout Clearwater Marine Aquarium that focuses on animal adaptations with a wrap-up conversation about conservation with a marine biologist. Select one of our classroom programs from pages 6-7 to enhance your educational experience and learn about a wide variety of marine science topics from one of our marine biologists.

Combo pricing excludes the Look Inside The Squid program.

*Due to limited class space only 1 adult per 10 children are permitted in the classroom during the program. Additional chaperones and parents are welcome to tour Clearwater Marine Aquarium during the program if admission is purchased. Combo pricing excludes the Look Inside The Squid program.

GROUP VISIT EDUCATIONAL ADD-ONS

SELECTIONS

PRESCHOOL AND UP

- **TERRIFIC TURTLES! (PRE K-5TH)**

Learn about turtle anatomy, behavior and the differences between tortoises, terrapins, and sea turtles. Understand and explore their unique adaptations, commonalities, and differences. Find out what makes these shelled reptiles so special. Learn about our residents and visit with CMA's Russian tortoise ambassador.

LESSONS AVAILABLE: Pre K, K-1st, 2nd-3rd, 4th-5th

- **MAKE WAY FOR MANATEES (PRE K-8TH)**

Investigate Florida's state marine mammal - the manatee! Learn about manatee eating habits and about their various environments. Discover the dangers they face and ways we all can help support their populations.

LESSONS AVAILABLE: Pre K, K-1st, 2nd-3rd, 4th-5th, 6th-8th

- **MARINE BIOLOGY 101 (K-8TH)**

Learn marine biology 101 as you climb the phylogenetic tree and get an introduction to some of the animals that call Clearwater Marine Aquarium home. Discuss animal adaptations and strategies necessary for survival in different habitats. Examine the life cycles, environment, and feeding methodologies of various marine animals using touch to explore biofacts and live touch tank invertebrates.

LESSONS AVAILABLE: K-2nd, 3rd-5th, 6th-8th

- **OPERATION: WINTER'S TAIL (K-12TH)**

In cooperation with Hanger Clinic, learn about the chemical, biological, physical, and mathematical processes behind the most famous tail in the world. We will learn about Winter's legacy and walk step by step through the Hanger Clinic's process of creating a tail for an orphaned dolphin injured in a crab trap line.

LESSONS AVAILABLE: K-1, 2nd-3rd, 4th-5th, 6th-8th, 9th-12th

- **RESCUE RESPONDERS (K-12TH)**

Discover how Clearwater Marine Aquarium's rescue response team works to fulfill our mission of rescue, rehabilitation, and release. Focus on anatomy and conservation as your students transform into mini-rescue biologists watching over their rescued dolphins. In addition, learn about the role CMA plays in rescues with many other species, including manatees, and how we can all work together to protect and preserve these species!

LESSONS AVAILABLE: K-1st, 2nd-3rd, 4th-5th, 6th-8th, 9th-12th



GROUP VISIT EDUCATIONAL ADD-ONS

MIDDLE SCHOOL AND UP

- **SUCCESS WITH STEWARDSHIP (6TH-12TH)**

Connect with the estuary ecosystem and identify the ways that humans impact the environment. Learn how you can live a sustainable lifestyle and what Clearwater Marine Aquarium is doing to improve its footprint. Challenge your students to create an eco-conscious coastal city and participate in a project that promotes environmental stewardship.

LESSONS AVAILABLE: 6th-8th, 9th-12th

- **INVESTIGATE DOLPHIN RESEARCH (6TH-12TH)**

Explore how scientists investigate the natural world through examples of dolphin research. Step into the role of a dolphin researcher as students learn about Clearwater Marine Aquarium's efforts to better understand the wild population of dolphins in our surrounding area through dorsal fin identification.

LESSONS AVAILABLE: 6th-8th, 9th-12th

- **LOOK INSIDE THE SQUID! (6TH-12TH)**

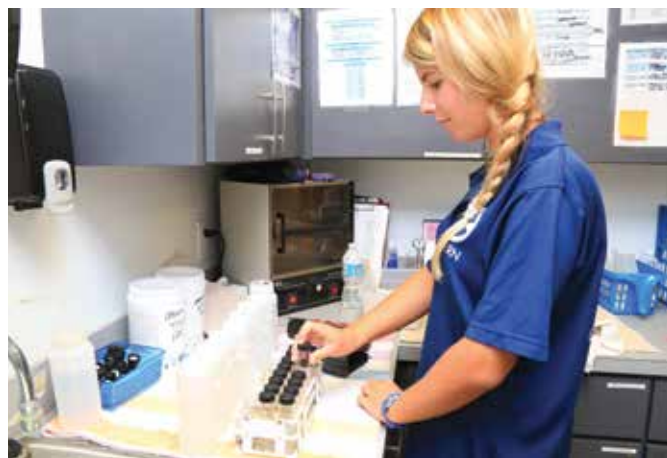
Join us as we explore the internal and external anatomy of a squid as you participate in an interactive dissection. Learn about the special adaptations these creatures possess to help them survive and hunt in the dark. Discover the important place squid hold in the food chain and which animals enjoy squid as a part of their diet here at CMA! This program is \$8.00 per student and lasts one hour.

LESSONS AVAILABLE: 6th-8th, 9th-12th

- **WATER QUALITY (6TH-12TH)**

How does chemistry affect biology? We'll share the importance of daily water quality testing for the resident animals at Clearwater Marine Aquarium. Students will be able to apply what they have learned by performing real laboratory tests and learn about the abiotic factors that provide necessary life support for our rescued and rehabilitated animals.

LESSONS AVAILABLE: 6th-8th, 9th-12th



SEA-SONAL FAMILY FUN

Spend your school breaks with Clearwater Marine Aquarium! Families will explore Clearwater Marine Aquarium and enjoy fun, educational programming all about our work at CMA. Each morning has a specific marine science focus to explore. Available for ages 5 and up. Adults must be accompanied by a participant 17 and under. Participants 17 and under years old must be accompanied by an adult. To book a Sea-sonal Family Fun program, please visit our website here. All programs must be booked online at least 24-hours in advanced. *Prices, dates, times, and other details are subject to change.*

FALL BREAK (NOVEMBER 20-22, 2023)

WHALEY GRATEFUL

Explore why Clearwater Marine Aquarium is thankful for the animals we rescue and research! Did you know all dolphins are whales? Come learn about our resident bottlenose and rough-toothed dolphins through games and activities that will get the whole family involved. Investigate the difference between toothed and baleen whales as we discuss the right whales that Clearwater Marine Aquarium Research Institute studies.

DATE: November 20, 2023

TIME: 11:00 a.m. to 12:00 p.m.

PRICE: \$10 per person

MINIMUM NUMBER OF PARTICIPANTS: 10 participants

HOME SWEET HOME BOAT TOUR*

Join us for a 90-minute scenic eco-boat tour cruise around the Clearwater Bay estuary, which is home to many resident dolphins and marine life species. Learn about the wild dolphin population that calls the estuary home as we take a boat tour of the bay. Be a part of citizen science and observe data collection in action as we perform a net pull and conduct a "show and tell" on board of sea creatures found in the grass beds and sand flats of the bay.

DATE: November 21, 2023

TIME: 10:30 a.m. to 12:00 p.m.

PRICE: \$20 per person

MINIMUM NUMBER OF PARTICIPANTS: 15 participants

*Weather permitting.

MAXIMUM NUMBER OF PARTICIPANTS: 40 participants

YOU OTTER BE THANKFUL

Spend time as a family before the holiday begins with Clearwater Marine Aquarium! Discover the differences between sea otters and river otters. Explore the habitat of each species through fun games, activities, and experiments. Learn the stories of our rescued resident river otters.

DATE: November 22, 2023

TIME: 11:00 a.m. to 12:00 p.m.

PRICE: \$10 per person

MINIMUM NUMBER OF PARTICIPANTS: 10 participants



SEA-SONAL FAMILY FUN

WINTER BREAK (DECEMBER 27-29, 2023)

THERE'S SNOW PLACE LIKE CMA

Join us as we learn all about Florida marine life and their ability to live in cold weather through fun-filled educational games and activities. Discover how blubber and fur work to keep animals warm during colder weather in Florida. Spend time in the aquarium seeing animal adaptations in action as we compare animal adaptations here in Florida and the coldest regions of the world.

DATE: December 27, 2023

TIME: 11:00 a.m. to 12:00 p.m.

PRICE: \$10 per person

MINIMUM NUMBER OF PARTICIPANTS: 10 participants

BEACHY BLIZZARD BLAST

Shell-ebrate coming together as a family for the holidays! Learn about the unique adaptations of marine animals that live around our beaches and bays that help them survive in colder environments. Work together as a family to collect information about these animals to use in the final trivia game!

DATE: December 28, 2023

TIME: 11:00 a.m. to 12:00 p.m.

PRICE: \$10 per person

MINIMUM NUMBER OF PARTICIPANTS: 10 participants

FROSTY FLUKES

Celebrate the spirit of adventure by joining Clearwater Marine Aquarium for a program full of family fun! Explore CMA while participating in a scavenger hunt throughout the aquarium collecting stamps in your expedition book. Learn about cold weather adaptations and marine life as we discuss the cold-water cousins of bottlenose dolphins.

DATE: December 29, 2023

TIME: 11:00 a.m. to 12:00 p.m.

PRICE: \$10 per person

MINIMUM NUMBER OF PARTICIPANTS: 10 participants

SPRING BREAK (MARCH 12-14, 2024)

ROAD TRIP, U.S.A.

Pack your bags and join us as we "road trip" to explore animals in various ecosystems across the United States, all from Clearwater Marine Aquarium's classrooms. Families will journey to the Florida Keys, Clearwater Bay, Hawaii, the Great Lakes, and California to discover the different species that thrive in each destination. Earn stickers as you learn about each ecosystem to remember the experience for a lifetime!

DATE: March 12, 2024

TIME: 11:00 a.m. to 12:00 p.m.

PRICE: \$10 per person

MINIMUM NUMBER OF PARTICIPANTS: 10 participants

SPRING BREAK SNORKELING* EXCURSION

Swim into spring break with Clearwater Marine Aquarium's immersive experience to explore the protected waters of Clearwater Bay. During the snorkeling adventure, families can get up close with many of the area's intertidal animals and learn about them from one of our marine biologists. Each participant will need to provide their own snorkeling gear, closed-toe water shoes, and towels.

DATE: March 13, 2024

TIME: 10:00 a.m. to 12:00 p.m.

PRICE: \$25 per person

MINIMUM NUMBER OF PARTICIPANTS: 15 participants

**Weather permitting.*

MAXIMUM NUMBER OF PARTICIPANTS: 40 participants

SPRING INTO SCIENCE

Become junior marine scientists by learning about the scientific method with Clearwater Marine Aquarium. Explore marine science through hands-on experiments and activities. Step into the role of researcher discovering how Clearwater Marine Aquarium Research Institute uses photo identification to study dolphins and right whales.

DATE: March 14, 2024

TIME: 11:00 a.m. to 12:00 p.m.

PRICE: \$10 per person

MINIMUM NUMBER OF PARTICIPANTS: 10 participants

PRE-K POD PALS

Join us for PRE-K POD PALS – a fun and educational morning program at Clearwater Marine Aquarium! Our turtle, dolphin, otter, shark, and ray friends will invite children to learn about where they live, what they eat, and the characteristics that help them live in the ocean. Programs will include classroom activities that explore the Florida pre-kindergarten standards, interactive games, and fun facts about the animal of the month! Available for children ages 3 to 5. All children must be accompanied by an adult. To book a Pre-K Pod Pals program, please visit our website here. All programs must be booked online at least 24-hours in advanced. *Prices, dates, times, and other details are subject to change.*

OODLES OF OTTERS

Explore the difference between river otters and sea otters in this program. Engage in story time and learn about how otters take care of their young. Become an otter and continue to develop your motor skills in a fun, hands-on activity!

DATE: September 5, 2023

TIME: 10:30 a.m. to 11:15 a.m.

PRICE: \$10 per child, \$5 per adult

MINIMUM NUMBER OF PARTICIPANTS: 6 participants

MANATEE MANIA

Learn about the Florida manatee in this program. Investigate the habitats of a manatee and discover what they like to eat. Explore life as a manatee with story time and get a better understanding of how mother manatees care for their calves.

DATE: October 3, 2023

TIME: 10:30 a.m. to 11:15 a.m.

PRICE: \$10 per child, \$5 per adult

MINIMUM NUMBER OF PARTICIPANTS: 6 participants

CORAL CORRAL

What makes up a coral reef? Practice your counting skills as we work together as a team to identify the different animals that call a coral reef home in this program. Learn about the colors that can be seen on a coral reef and discover the reason why the animals are brightly colored.

DATE: November 7, 2023

TIME: 10:30 a.m. to 11:15 a.m.

PRICE: \$10 per child, \$5 per adult

MINIMUM NUMBER OF PARTICIPANTS: 6 participants

IMAGINATION SHELL-EBRATION

How are shells made and who lives in a shell? Discover the answers to these questions and more in this program. Get an up-close look at our discovery pool animals that live in a shell. Practice using your listening skills during story time and use your imagination to create your very own hermit crab shell to take home!

DATE: December 5, 2023

TIME: 10:30 a.m. to 11:15 a.m.

PRICE: \$10 per child, \$5 per adult

MINIMUM NUMBER OF PARTICIPANTS: 6 participants



PRE-K POD PALS

CONTINUED

DOLPHIN DISCOVERY

Learn all about our resident dolphin pals in this program! Use your motor skills with hands-on learning games and activities that will teach you about what makes dolphins different from other animals. Practice your listening skills during story time and lessons about our flippered friends.

DATE: January 2, 2024

TIME: 10:30 a.m. to 11:15 a.m.

PRICE: \$10 per child, \$5 per adult

MINIMUM NUMBER OF PARTICIPANTS: 6 participants

BUBBLE BABIES

Explore the sea through the eyes of young animals that breathe air just like you do! Learn about where marine mammals live, what they eat, and the characteristics that help them live in the ocean. Discover how baby animals learn from their parents to live in the big blue ocean through a fun interactive activity.

DATE: February 6, 2024

TIME: 10:30 a.m. to 11:15 a.m.

PRICE: \$10 per child, \$5 per adult

MINIMUM NUMBER OF PARTICIPANTS: 6 participants

SQUISHY BONES

In this program, you will learn about what you have in common with fish like sharks and rays! Sink your teeth into using your thinking skills to compare sharks and rays while looking at shark jaws and other biofacts. Throughout story time and the hands-on activities, you're sure to have a fin-tastic time!

DATE: March 5, 2024

TIME: 10:30 a.m. to 11:15 a.m.

PRICE: \$10 per child, \$5 per adult

MINIMUM NUMBER OF PARTICIPANTS: 6 participants

WHALE TALES

Did you know whales come in all different shapes, sizes, and colors? Compare and contrast the different types of whales in this program. Learn about teamwork during story time and play an interactive game that uses your motor skills.

DATE: April 2, 2024

TIME: 10:30 a.m. to 11:15 a.m.

PRICE: \$10 per child, \$5 per adult

MINIMUM NUMBER OF PARTICIPANTS: 6 participants

HATCHLING HEROES

Do you love sea turtles? If so, this is the program for you! Learn about how sea turtles navigate through their lifecycle from egg to adulthood with hands-on activities. Discover the parts of a sea turtle and interact with real biofacts. Design your own sea turtle hatchling shell, listen to a story about sea turtle nesting on Clearwater Beach, and discover ways we can all help sea turtles!

DATE: May 7, 2024

TIME: 10:30 a.m. to 11:15 a.m.

PRICE: \$10 per child, \$5 per adult

MINIMUM NUMBER OF PARTICIPANTS: 6 participants



GROUP BOATING & SNORKELING ADVENTURES

Enhance your group's visit with an educational eco-boat tour. Explore our local bay, learn about the estuarine ecosystem, and look for wildlife! Aquarium admission is separate and is an additional fee. Group admission rate, tour duration, and availability may vary. Please call the Education Team at 727.441.1790 ext. 2262 to book. **CMA is an Authorized Water Vessel Commercial Carrier through the Pinellas County School Board.**

CHARTERED DOLPHIN AND WILDLIFE TOUR

Explore Clearwater Bay during this 60-minute eco-boat cruise. Learn about members of our local dolphin population, travel around a bird sanctuary island, and view seasonal local wildlife.

DURATION: 60 minutes

CAPACITY: 40 people per boat

PRICING: Educational Group \$300 per boat; Non-Educational Group \$550 per boat

CHARTERED SEA LIFE SAFARI

Join us for a 90-minute scenic eco-boat cruise around our local estuary. Be a part of citizen science, and observe data collection in action, as we perform a net pull and conduct a "show and tell" onboard of sea creatures found in the grass beds and sand flats of the bay. Get your feet wet at a local shell island and collect seashells.* See local wildlife above and below the water!

*Island stop may be canceled due to weather or inaccessibility, and boat routes may be altered by captain at any time.

DURATION: 90 minutes

CAPACITY: 40 people per boat

PRICING: Educational Group \$375 per boat; Non-Educational Group \$700 per boat

ECO ED-VENTURES

Embark on an unforgettable voyage of marine discovery aboard a Clearwater Marine Aquarium boat! Our immersive marine science curriculum invites students to explore the wonders of the ocean. Explore Clearwater Bay as we look at the estuary environment and make observations about the animals that call an estuary home. Led by a marine biologist, students will learn about marine ecosystems and how to protect them, fostering a deep understanding and appreciation for the precious underwater world.

DURATION: 60 minutes

CAPACITY: 40 people per boat

PRICING: \$300 per boat

PRIVATE SNORKELING GROUP ADVENTURES

Hop aboard Clearwater Marine Aquarium's education vessels for an immersive experience. Custom adventures include a 2-hour long snorkel experience, as well as a narrated scenic trip by one of our Biologists. During the snorkeling adventure, students/guests can get up-close with many of the area's intertidal animals within the protected waters of Clearwater Bay. Sea urchins, crabs, sea stars, and snails are among the common finds. We customize this program to each age group so you are always within standing depth water. You will need to provide your own snorkeling gear, closed-toe water shoes and towels.

TIME: Dependent on weather and water conditions

PRICE: \$25 per person

GROUP SIZE: Minimum 15 passengers, Maximum 40 passengers



GROUP PROGRAMS

Enrich your visit with a guided tour or scavenger hunt to get an insider's look into Clearwater Marine Aquarium! Aquarium admission is an additional fee and required to participate in these programs. Group admission rate, tour duration, and availability may vary. Please call the Education Team at 727.441.1790 ext. 2262 to book.

GUIDED TOUR

Join us for an educational guided tour led by a knowledgeable marine biologist at Clearwater Marine Aquarium! Dive deep into the work that is done at a marine animal hospital and get an insider's look into our resident animal's rescue stories. Gain a deeper understanding of the vital conservation efforts that everyone can contribute to. With our marine biologist as your guide, this immersive tour promises an unforgettable experience that will leave you inspired and awestruck by the wonders of the marine world.

AVAILABLE: Year-round

LENGTH: 45 minutes

PRICES: \$3.00 per person

CAPTAIN TORTUGA'S SCAVENGER HUNT

Dive into an exciting scavenger hunt adventure at Clearwater Marine Aquarium! A marine biologist will send you on a thrilling quest to uncover hidden treasures and learn more about fascinating marine creatures. Track down clues about amazing animal adaptations as you explore CMA on your mission to unlock Captain Tortuga's treasure.

AVAILABLE: Year-round

LENGTH: 45 minutes

PRICES: \$3.00 per person



OUTREACH

OFF-SITE PROGRAMS

CMA's Off-Site Programs are designed with your classroom in mind. These programs provide students with hands-on learning opportunities to enrich their educational experience. Expand upon daily classroom curriculum with a visit from one of CMA's education staff members.

AVAILABLE: Year-round

TIME: Call Education Department to schedule 727-441-1790 x2262

PRICES: \$100 for the first program and \$50 for each additional program scheduled the same day at the same site; PLUS mileage within 40 miles of Clearwater Marine Aquarium. Maximum of 50 students per program. Consecutive sessions may be offered for additional \$50.

PROGRAM DESCRIPTIONS

CLEARWATER MARINE AQUARIUM - A WORKING MARINE ANIMAL HOSPITAL

Learn about the behind-the-scenes work of Clearwater Marine Aquarium from our education staff as we visit your school or other venue for an educational presentation all about Clearwater Marine Aquarium's efforts in marine life preservation. Watch videos of recent rescue efforts and learn about the growth of our facility since the production of *Dolphin Tale* and *Dolphin Tale 2*.

GRADE: K-ADULT

MANATEE MOMENTS

Discover a deeper understanding of the Florida manatee and the threats they face. Learn how scientists identify manatees while tracking their population's distribution throughout their environment. Explore the role that the CMA Research Institute plays in the conservation of the species through their research efforts in the U.S., Cuba, and Belize.

GRADE: 4TH-ADULT

SEA TURTLE BIOLOGY AND NESTING

CMA works to protect sea turtle nests up and down Pinellas County's coast. Learn all about the loggerhead sea turtle life cycle. Examine the anatomy of the sea turtle, including hands-on time with real turtle shells and skulls.

GRADE: PRE-K-ADULT

NO BONES ABOUT IT!

This program focuses on invertebrates. Learn all about the Gulf of Mexico's smaller inhabitants that call CMA home through this hands-on look at snails, crabs, and sea urchins. The program will focus on describing these animals using our five senses, comparing and contrasting locomotion modalities, and discussing survival adaptations. Participants can apply what they have learned by touching some of these creatures to see how these spineless animals have adapted to live on our ocean floor.

GRADE: K-12TH



OFF-SITE PROGRAMS (CONTINUED)

CORAL CONNECTIONS

Dive into the mesmerizing world of coral reefs and conservation with our educational program led by a marine biologist from Clearwater Marine Aquarium! Join us as we discuss the intricate lives of corals and learn about their vital role in marine ecosystems. Discover the challenges facing these fragile ecosystems and explore the innovative conservation efforts underway to protect them.

GRADE: 4TH-ADULT

DOLPHIN DEPUTIES

Students discover the positive and negative impact humans can have on the oceans and coastal environments through the stories of our resident animal ambassadors. We will discuss ocean hazards and play “Scan your Can” - a recycling game that focuses on how sorting garbage can help save the planet. By the end of the program, each class member will be dubbed a “Dolphin Deputy.”

GRADE: PRE-K-5TH

READY TO RESCUE

How does our rescue team care for sick and injured marine life? Learn about the specialized care we provide for animals in need of assistance. Work together as a team to walk through the steps of a rescue with one of our marine biologists.

GRADE: PRE-K-ADULT

HIGH SCHOOL TO ADULT

MARINE ANIMAL SAFETY: HUMAN INTERACTIONS IN A MARINE ENVIRONMENT

Human activities can often be detrimental to wild animal health and survival. As a working marine animal hospital, Clearwater Marine Aquarium often aids in the rescue, rehab, and potential release of wildlife that has faced negative impacts of human actions. The program will use real-life stories of CMA hospital patients to share ways in which humans can make a positive change in the protection of marine animals.

SHARK BIOLOGY AND CONSERVATION

Get to know the ocean’s most misunderstood carnivores by learning about their unique adaptations and role in the food chain. This program will also review major human threats to wild populations and ways that we can make shark-conscious decisions.

MARINE MAMMAL BIOLOGY AND CONSERVATION

Learn all about Florida’s favorite marine mammals – the bottlenose dolphin and the West Indian manatee. In this program, CMA Biologist will explore basic biology and physiology of these animals as well as the ways humans can help conserve wild populations.



PROGRAM SERIES

Dreaming of going on an ocean expedition or working at a marine animal hospital? CMA's recurring program series are designed to offer a multi-week educational experience that explore these possibilities and more. These programs are a great fit for after-school learning opportunities or summer camps looking to enrich their curriculum. Led by a CMA biologist, students will have the opportunity to take part in hands-on learning experiences and learn about a wide variety of topics in marine science.

AVAILABLE: Year-round

TIME: Call the Education Department to schedule at 727-441-1790 x2270

GRADE: K-12TH

PRICES: Call Education Department for pricing information at 727-441-1790 x2270

PROGRAM DESCRIPTIONS

OCEAN EXPLORATION

Ever wonder what it would be like to lead an expedition and discover a new species? Discover the many ocean habitats found around the world, and learn about the animals that inhabit them with Clearwater Marine Aquarium's after-school program. Each week students will travel deeper and deeper into the ocean as they go on their very own ocean expedition. Design an exploration vehicle then create a creature that is adapted to the new environment. Get up close and personal with CMA touch tank invertebrates and biofacts as students learn about sea urchins, dolphins, sea turtles, and more during their exploration.

GRADE: K-5TH

TIDES OF TALENT

Animals have their own special talents called adaptations that help them to be well-suited to their environment. Explore marine animal adaptations with Clearwater Marine Aquarium's program series. Each week, a new animal's talent will be showcased through educational crafts and activities. Discover dancing seahorses and singing blue whales. Learn about CMA's resident animals and how they were able to make movie magic.

GRADE: K-5TH

A DAY IN THE LIFE OF...

What is it like to work at a marine animal hospital? This after-school program will showcase the many different career paths within Clearwater Marine Aquarium. Students will explore a wide variety of beneficial skills and discover the next steps they should take if they want to pursue to careers in a working animal hospital. Learn about Clearwater Marine Aquarium's research and conservation programs, education, animal husbandry, and many more departments that help promote the mission of preserving our environment while inspiring the human spirit.

GRADE: 6-12TH



OUTREACH

CONTINUED

CONTEST

Clearwater Marine Aquarium invites classes to enter our annual environmental contest:

Trash to Toys

Monday, February 12 – Friday, April 12, 2024

Winners will be announced on Earth Day, April 22

Want to give back to the planet with Clearwater Marine Aquarium?

Then join our annual **Trash to Toys** competition! Using recyclable items from your classroom, classes can compete to create a **green** toy to enrich our resident dolphins, in honor of Earth Day.

Green toys must be at least 1 foot in length, have all parts securely fitted together using only non-toxic tape (duct tape), have only non-toxic paints (most acrylics), have no sharp or protruding edges, and contain mainly RECYCLABLE materials (excluding duct tape).

APPROPRIATE MATERIALS: paper products, water bottles and caps, soda cans, egg cartons, cardboard.

INAPPROPRIATE MATERIALS: pool toys, inflatable toys, pool noodles, hula hoops, beads.

*entries containing any of the inappropriate materials will be disqualified.

*teachers, please ensure that the entry meets all requirements above.

Entries will be used as visual enrichment devices the underwater windows.

All entries must have an entry form. Entries must be submitted by an elementary school class.

All entries and forms must be dropped off at Clearwater Marine Aquarium on or before 5pm on Friday, April 12, 2024

The contest will be judged by Clearwater Marine Aquarium's resident dolphins. Winners will be announced on Earth Day, April 22. The winning class will receive one FREE 45-minute virtual field trip in their classroom during the month of May 2024.

If your class would like to participate, please contact Chynna Courtney Cherry, ccourtneycherry@cmaquarium.org, between February 12, 2024, and March 31, 2024. Drop-off date must be between April 1, 2024, and April 12, 2024, before 5 pm. Before dropping off, you must email ccourtneycherry@cmaquarium.org to make arrangements with the Education Department as to when your submission will be dropped off.

Trash to Toys Entry Form

School Name: _____

Teacher's Name: _____

Teacher Contact E-mail (winners will be notified by e-mail on April 22): _____

Grade Level: _____


Number of Students In Class: _____

Class Period (if applicable): _____

Toy Name (optional): _____

List All Materials Used To Create Toy: _____

Sketch of toy:

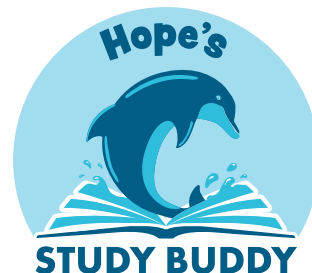


If your class would like to participate, please contact Chynna Courtney Cherry, ccourtneycherry@cmaquarium.org, by Sunday, March 31, 2024. Drop-off date will be between April 1, 2024, and April 12, 2024. Before dropping off, you must email ccourtneycherry@cmaquarium.org to make arrangements with the Department as to when your submission will be dropped off.

ONLINE LEARNING

HOPE'S STUDY BUDDY FOR INDEPENDENT LEARNERS

Hope's Study Buddy courses provide virtual learning opportunities that are based on current teaching standards and review math and science concepts. Whether it is reviewing material from the previous year or supplementing your child's current curriculum, Hope's Study Buddy courses can help stimulate learning. Each module includes short, easily obtainable lessons based on Clearwater Marine Aquarium's work, an at home activity, and provide your student with opportunities to relate classroom learning with real world marine science applications. Purchase individual modules or take advantage of bundle pricing for the grade or subject.



TO SIGN UP: cmamarineacademy.org

ELEMENTARY SCIENCE

KINDERGARTEN: SUPERHERO SENSES

- Meet CMA's Residents
- Can you sense it?
- Observation Station

1ST GRADE: SENSATIONAL SEA TURTLES

- Making Sense of Sea Turtles
- Habitat Hunt
- Sea Grass and Sea Turtles
- Sea Turtle Hatchlings
- Survive and Thrive

2ND GRADE: DOLPHIN DYNASTY

- Awesome Anatomy
- Life Cycle Central
- Survival and the Food Chain
- Build an Ocean

3RD GRADE: PLANT PARTY

- Plants 101
- Build a Plant
- Group It
- Flower Power
- Season Scientist
- Aquaponics and Photosynthesis

4TH GRADE: SCIENTIFIC EXPLORATION

- Mangroves on the Move
- Life Cycle Central
- Food Webs and Feeding Time
- Impactful Innovations
- Catalog Characteristics

5TH GRADE: AMAZING ADAPTATIONS

- All About Organs
- Sea Urchin Selection
- Plant and Animal Survival Strategies

MIDDLE SCHOOL SCIENCE

6TH GRADE: MARINE INVERTEBRATES

- Cell Theory and Hierarchical Organization
- Homeostasis and the Human Body
- Structure and Function of Cells and Organelles
- Infectious Agents
- Classification and the Linnaean System

7TH GRADE: CETACEANS

- Scientific Theory of Change and Cetaceans
- Heredity and DNA Base Pairing
- Punnet Square and Pedigrees
- Mitosis and Meiosis
- Energy Transfer in Food Webs

8TH GRADE: HYDROPHILIC PLANTS

- Photosynthesis
- Cellular Respiration

MATH

6TH GRADE: SEA TURTLE MATH

- Beach Monitoring
- Nest Inventory
- Caring for Hatchlings

7TH GRADE: SEA TURTLE MATH

- Beach Monitoring
- Nesting Research

8TH GRADE: SEA TURTLE MATH

- Beach Monitoring
- Nesting Research

HIGH SCHOOL LANGUAGE ARTS AND SCIENTIFIC WRITING

9TH-12TH GRADE: SCIENTIFIC INQUIRY

- Investigate Dolphin Research
- Investigate Manatee Research
- Investigate Sea Turtle Nesting

HOMESCHOOL/INDEPENDENT LEARNER PROGRAMS

- All About Sea Turtles
- Marine Animal Rescue

TO SIGN UP: cmamarineacademy.org

SCHOOL GROUP PROGRAMS

- Investigate Dolphin Research
- Totally Turtles
- Working Marine Animal Hospital

TO SIGN UP: cmamarineacademy.org

REAL-TIME VIRTUAL LEARNING

VIRTUAL FIELD TRIPS

Join an education staff member for a virtual field trip including a Q and A session, aquarium tour, and view session with a resident animal. Groups can choose to virtually view a sea turtle or dolphin experience. Have all of your questions answered live and virtually tour around Clearwater Marine Aquarium. Participating groups may submit questions prior to the virtual field trip for our staff to answer during the session.

LENGTH: 45 minutes

PRICE: \$150.00

RANGE: Any age range is available

Resources available on our website cmaquarium.org

Visit cmamarineacademy.org for virtual learning options.

PUBLIC PROGRAMS

CONTINUED

MARINE SCIENCE SUMMER CAMP

Get your camper ready to have fun in the sun as they embark on their own coastal learning experience with our camp selections for 2024. Enjoy our week-long camps featuring our rescued dolphin, river otter, and sea turtle friends! **Our camp options feature snorkeling in seagrass beds and sand flats, kayaking through local estuaries, visiting our rescued residents, and discovering fascinating marine creatures in their natural habitat. For camps that include snorkeling, the boats are supervised by Coast Guard certified Captains in addition to staff and college interns. Campers always have access to water that they can stand in during snorkeling camps.** Experience is not required for camps that include snorkeling or kayaking. Your summer fun begins at Clearwater Marine Aquarium!

DATES: June 3 - August 16, 2024

Marine Science Camp
June 3 - August 16, 2024

**KINDERGARTEN
TO HIGH SCHOOL
PROGRAMS**

REGISTER EARLY
Camps Fill Up Quickly
Discounts for active members
Convenient online registration
at cmaquarium.org

- Fun & Educational
- Free Camp T-Shirt
- Snorkeling, boating, kayaking
- Learn about marine life & marine biology from CMA personnel

 **CLEARWATER**
MARINE AQUARIUM

Visit cmaquarium.org for Summer Camp information starting January 2024

PUBLIC PROGRAMS

CONTINUED

DO YOU HAVE A CHILD WITH A PASSION FOR MARINE BIOLOGY?

CAREER EXPLORATION

Join us for our teen Career Exploration Program!

This experience provides an inside look at aquarium careers. Meet aquarium personnel, participate in activities, and explore behind the scenes. Learn about Clearwater Marine Aquarium's research and conservation programs, education, and animal husbandry.

PARTICIPANT QUALIFICATIONS:

- Only available to current middle school and high school students
- Passion to learn from industry experts in a career-focused program
- Complete online registration at cmaquarium.org

PRICING: \$50 per student

TIME: 9:00 AM to 3:00 PM



AVAILABLE

MIDDLE SCHOOL
(6TH-8TH GRADE)

DATES

September 23, 2023
November 18, 2023
January 20, 2024
March 23, 2024

HIGH SCHOOL
(9TH-12TH GRADE)

DATES

October 28, 2023
December 23, 2023
February 17, 2024
April 27, 2024
May 25, 2024

JUNIOR CAREER QUEST

Are you a budding marine scientist? This experience provides an inside look at aquarium careers for students that are 3rd through 5th grade. Participate in hands-on activities that showcase the rescue, rehabilitation, and release work that CMA does. Learn about different paths that you can take to achieve your marine science career goals.

PARTICIPANT QUALIFICATIONS:

- Only available to current students in 3rd through 5th grade
- A desire to explore career paths within marine science
- Complete the online registration at cmaquarium.org

PRICING: \$20 per student

TIME: 10:00 AM to 12:00 PM



AVAILABLE

ELEMENTARY SCHOOL
(3RD-5TH GRADE)

DATES

September 23, 2023
October 28, 2023
November 18, 2023
December 23, 2023

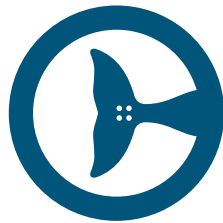
January 20, 2024
February 17, 2024
March 23, 2024
April 27, 2024
May 25, 2024

INTERESTED IN A WEEK LONG CAREER SHADOW EXPERIENCE?

Enroll in CMA's Careers at the Aquarium summer camp program.

Enrollment begins in January 2024 at cmaquarium.org.

CLEARWATER MARINE AQUARIUM
EDUCATIONAL PLANNER
2023-2024



CLEARWATER
MARINE AQUARIUM®

249 Windward Passage
Clearwater, FL 33767

cmaquarium.org

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IMPORTANCE OF PLAY

PLAY IS AN INTEGRAL PART OF COGNITIVE, SOCIAL, AND PHYSICAL HEALTH, MAKING IT NECESSARY FOR US TO PROVIDE OUR RESIDENTS AND REHABILITATION ANIMALS OPPORTUNITIES TO PLAY!

KINDS OF PLAY

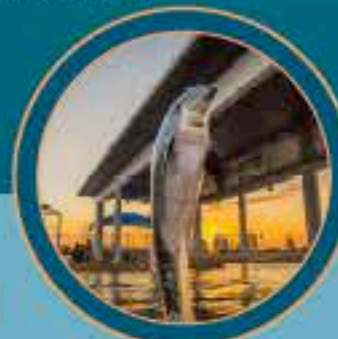
SOCIAL PLAY: STRENGTHENS SOCIAL BONDS WITHIN THE **POD** AND WITH OUR TEAM.

- SQUIRT GUN PARTIES WE ALL PARTICIPATE IN
- BUBBLE RINGS THAT WINTER CREATES FOR HOPE USING THE RED KONG TOY
- HULA HOOP RIDES THAT HOPE GIVES TO WINTER



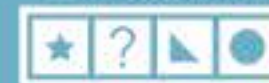
PHYSICAL PLAY: ENCOURAGES EXERCISE:

- SWIMMING AGAINST CURRENTS
- PULLING AND PUSHING LARGE TOYS
- **REACTING**



COGNITIVE PLAY: STIMULATES THOUGHT WITH SURPRISES AND EXPLORATION

- MEMORY AND MATCHING GAMES
- CHANGING THEIR ENVIRONMENT
- INTRODUCING NEW TOYS AND CHOICES



NATURAL PLAY: SIMULATES HUNTING, FORAGING, PROBLEM SOLVING AND PROVIDES **TACTILE** STIMULATION

- FELT TOYS AND ROPES TO RUB AGAINST AND HELP REMOVE **SUCKING** SKIN
- FELT TOYS THEY CAN PULL THROUGH THE WATER AND TOSS LIKE SEAWEED OR FISH
- PUZZLE FEEDERS THAT THEY MUST SOLVE TO EAT THE FOOD INSIDE



FIN FACTS

- WINTER STILL LOVES THE BLUE RAFTS FROM DOLPHIN TALE!
- NICK ENJOYS BUOYS OF ALL KINDS: LARGE, SMALL, SINKING OR FLOATING.
- HOPE LOVES WATER TOYS LIKE HOSES, SQUIRT GUNS, PITCHERS AND WATERFALLS!
- PJ JUST LIKES IT ALL!





NICHOLAS

MALE

ARRIVED DECEMBER 24, 2002
ATLANTIC BOTTLENOSE DOLPHIN

Tursiops truncatus

NICHOLAS WAS FOUND STRANDED ON A BEACH WITH HIS MOTHER NEAR GIBSONTON, FLORIDA. THEY BOTH HAD SUSTAINED THIRD-DEGREE BURNS FROM EXPOSURE TO THE SUN AND WERE TRANSPORTED TO THE FLORIDA AQUARIUM AND THEN RELOCATED TO CLEARWATER MARINE AQUARIUM FOR LONG-TERM MEDICAL CARE. IN HONOR OF THEIR CHRISTMAS EVE ARRIVAL, WE NAMED THE MOTHER NOELLE AND HER CALF, NICHOLAS. UNFORTUNATELY, NOELLE WAS ALSO SUFFERING FROM A RESPIRATORY ILLNESS AND

SHE PASSED AWAY ON DECEMBER 27, 2002. ESTIMATED TO BE SIX MONTHS OLD, NICHOLAS WAS NOT FULLY WEANED FROM HIS MOTHER'S MILK. WITH PROPER NUTRITION AND 24-HOUR WOUND CARE, NICHOLAS' BURNS HEALED WITHIN NINE MONTHS AND HE WAS SLOWLY WEANED ONTO WHOLE FISH. LIKE HOPE, NICHOLAS WAS UNABLE TO LEARN FROM HIS MOTHER THE SKILLS NECESSARY TO SURVIVE IN THE WILD AND WAS DETERMINED TO BE NON-RELEASABLE BY NMFS.

IDENTIFYING CHARACTERISTIC

DUE TO HIS SEVERE SUNBURN, NICK HAS SCARS THAT RUN FROM HIS FOREHEAD TO HIS **NOSE**.

FIN FACTS

- LOVES CHASING A JOLLY BALL
- VERY ATHLETIC AND ACCURATELY PREDICTS SPORTS MATCHES
- LIKES TO LISTEN TO PEOPLE SPEAKING AT THE WINDOW

PRESS BUTTON TO HEAR
NICHOLAS'S WHISTLE



WHY WE RESCUE

22" Monitor

THE THREATS

MARINE MAMMALS BECOME STRANDED, INJURED OR UNABLE TO SWIM FOR REASONS THAT FALL INTO ONE OF TWO CATEGORIES:

NATURAL CAUSES



HUMAN ACTIVITY



HOW WE RESCUE



TAKING ACTION!

OUR RESCUE TEAM IS ON CALL 24/7! ONCE ON SITE, WE ASSESS THE ANIMAL(S) AND SURROUNDING AREA, OBSERVE THE ANIMAL(S), SECURE THE LOCATION, PROVIDE COMFORT FOR THE ANIMAL(S) AND BEGIN TO TREAT THEIR WOUNDS.

RESCUE PROTOCOL



- KNOW SAFE HATCHES
- KNOW HATCHES
- WHAT SPICES ARE THEY?
- A STRETCHER



- PULSE RATE
- BLOOD PRESSURE
- RESPIRATION
- BLOOD TEMPERATURE
- VIDEO & PHOTOS



- 200T FISHING
- PUBLIC SAFETY
- TREATMENT
- ANIMAL SAFETY
- LOWEST ANIMALITY
- PUBLIC EDUCATION



- BURN PROTECTION
- WOUND CARE
- HYDRATION
- ANESTHESIA
- BLOOD TESTING
- PAIN MANAGEMENT



WIND FISHING IN THE GULF



RESCUE TRANSPORTATION



RELEASE OR REHABILITATION

CMA WORKS WITH OTHER ORGANIZATIONS TO ASSESS THE HEALTH STATUS OF THE ANIMAL(S) BEING RESCUED. ONCE A DECISION IS MADE TO REHABILITATE RATHER THAN IMMEDIATELY RELEASE, CMA PROVIDES TRANSPORT TO A REHABILITATION POOL.

HOW TO PLACE A DOLPHIN IN A STRETCHER


THIS PROCESS ALLOWS US TO MOVE THE CETACEAN INTO THE STRETCHER WITHOUT LIFTING IT WHILE ALSO DESENSITIZING IT TO HUMAN CONTACT.



RESTORING HEALTH


REHABILITATION IS THE PROCESS OF RESTORING AN ANIMAL'S HEALTH AFTER AN INJURY SO THAT IT WILL SURVIVE RETURNING TO THE WILD.

COMPLETE CARE



PSYCHOLOGICAL

MARINE MAMMALS ARE BOTH INTELLIGENT AND CURIOUS. OUR TRAINING AND E.E.D. REDUCE FRUSTRATION AND BOREDOM.



PHYSIOLOGICAL

WE PROVIDE DAILY EXERCISE AND STIMULATION WITH E.E.D.S, TRAINING, AND THEIR ENVIRONMENT.



TRAINING

TRAINING MAKES MEDICAL PROCEDURES AND PHYSICAL THERAPY LESS STRESSFUL.



MEDICAL

WE RECORD THEIR BEHAVIORS AND VITAL SIGNS EVERY FIVE MINUTES ALONG WITH PROVIDING HYDRATION, MEDICATION, BLOOD TESTING, SURGERY, AND MORE.



Winter's Words

CMA:
CLEARWATER MARINE AQUARIUM

ETHOGRAM:
A RECORDING OF ALL OBSERVED BEHAVIORS IN AN ANIMAL

ASSESSING PATIENTS

SO THAT WE PROVIDE THE BEST CARE FOR OUR PATIENTS, WE CREATE AN **ETHOGRAM** THAT RECORDS:

- HEART RATE (BEATS PER MINUTE)
- RESPIRATIONS (BREATHS) PER FIVE-MINUTE INTERVAL
- BREATHING QUALITY
- DEFECATION AND URINATION
- ABNORMAL BEHAVIORS
- CHANGE IN BEHAVIOR
- TIME AND DURATION OF BEHAVIORS
- NUMBER OF BEHAVIORS PER HOUR

ABNORMAL BEHAVIOURS



QUALITY CONTROL

THREE AGENCIES GOVERN AND AUTHORIZE REHABILITATION SITES:

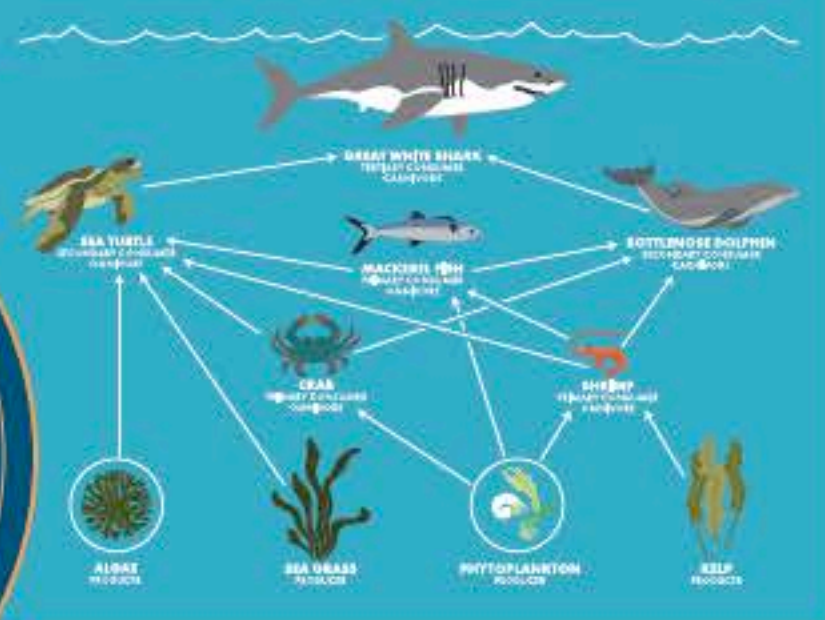


RETURNING HOME



FOOD WEB

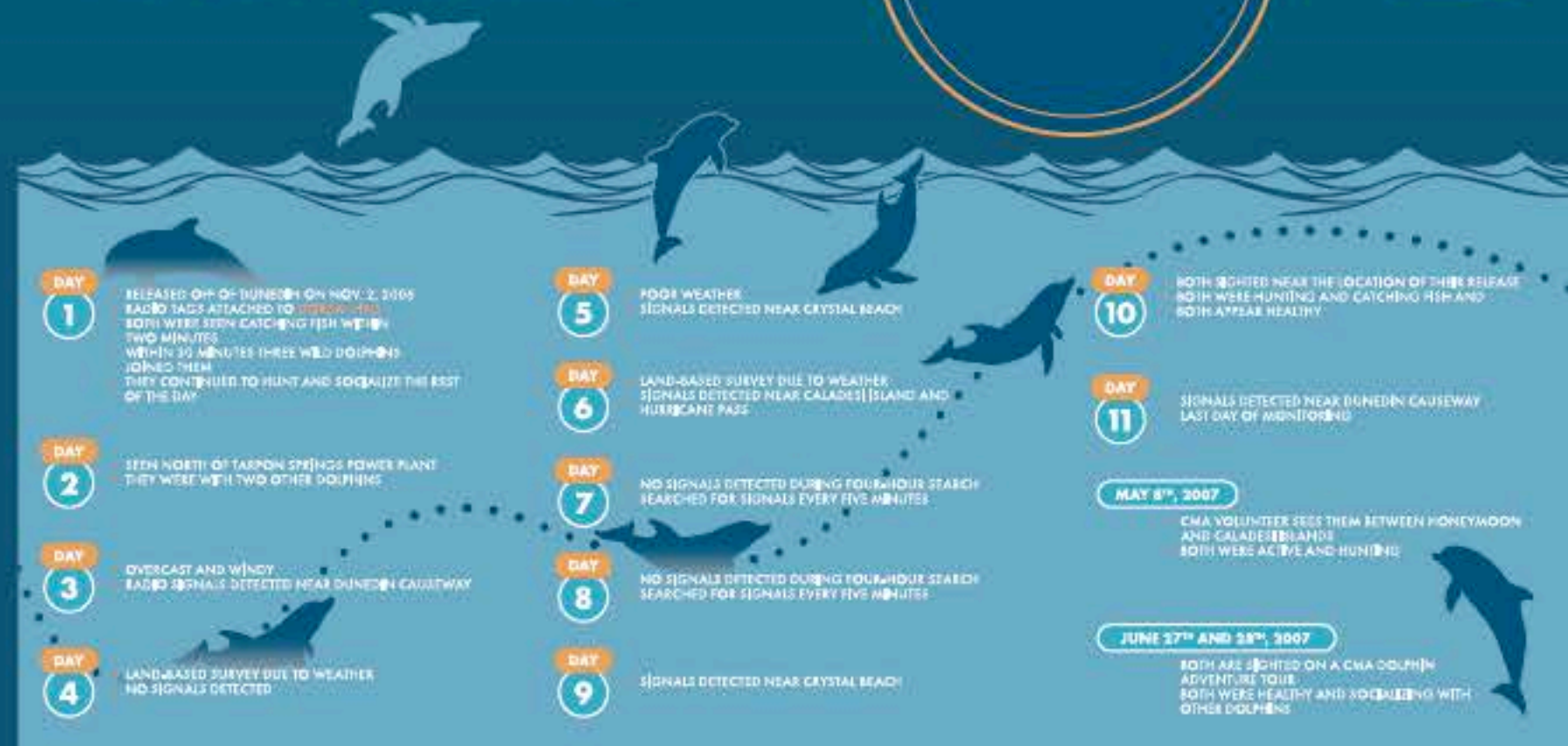
A HEALTHY FOOD WEB PROMOTES ENVIRONMENTAL BALANCE. ARROWS REPRESENT THE TRANSFER OF ENERGY FROM PREY TO PREDATOR.



THOUGH WE ENJOY THE RELATIONSHIPS WITH OUR RESIDENTS, OUR MISSION IS ULTIMATELY TO RELEASE AS MANY ANIMALS AS POSSIBLE BACK INTO THE WILD. DOLPHINS ARE APEX PREDATORS, HELPING LOCAL MARINE ENVIRONMENTS TO STAY HEALTHY BY KEEPING FISH POPULATIONS IN BALANCE AND ALSO INDICATING THE WELLBEING OF THE ENVIRONMENT THROUGH THE HEALTH OF THEIR OWN POPULATIONS.

MANDY & TROY

AFTER THE SUCCESSFUL REHABILITATION OF MANDY AND TROY, THEY WERE RELEASED CLOSE TO THE LOCATION OF THEIR RESCUE AND A 10-DAY POST-RELEASE MONITORING PLAN WAS IMPLEMENTED.



RELEASE & OBSERVATION LOCATIONS



DUE TO OUR RIGOROUS MONITORING, BOTH DOLPHINS WERE CONFIRMED TO HAVE BEEN SUCCESSFULLY RELEASED INTO THE WILD AND REJOINED THE LOCAL DOLPHIN POPULATION.

