

ALL SCHOOL AGES & CAMPS



AQUATIC TREK

Get up close to seahorses, sea stars and an octopus. Touch stingrays and travel through a 175-foot-long Shark SeaTube. This underwater adventure includes a guided tour and a scavenger hunt.



PRESCHOOL - KINDERGARTEN

I SEE SEA CREATURES

After hearing the fable *A House for Hermit Crab*, an Aquarium tour reveals the real-life animals that inspired Eric Carle's characters. You even have the opportunity to touch real urchins, snails and other invertebrates.

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TURTLES & TORTOISES

Meet turtles and tortoises from Ohio, Australia, Asia, Africa and the Amazon and discover what makes them unique. Touch the shells of a turtle and a tortoise during a live animal encounter for your class. You'll also listen to a tortoise tale and create a tortoise craft to take home. (2-hour program including 1/2 hour for lunch)

LS SI



KINDERGARTEN - GRADE 2



BASIC TRAINING - AN INVESTIGATION OF ANIMAL NEEDS

Become a first-class expert on living things' basic needs as you venture through the Aquarium to learn about the food, water, shelter and oxygen animals require to survive. Explore lake, river, kelp forest, open ocean and coral reef habitats before choosing items to help build and compare freshwater and saltwater habitats.

LS SI

CSI - CREATURE SCIENCE INVESTIGATORS

Investigate how living things get oxygen, find food, use water and seek shelter. Examine evidence in creature case files to find clues of how animals meet these basic needs. Along the way, observe hundreds of other aquatic critters.

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GRADES 3 - 5

AQUATIC FOOD CHAINS **NEW**

Why do catfish have whiskers? Do sharks and stingrays have similar teeth? How can an octopus escape a predator? Find out how adaptations help prey survive and predators catch their meal. Look at what and how aquatic producers, herbivores, carnivores and omnivores eat. (And discover how humans fit into the food chain!)

LS SI

SHARKS - FEARED OR REVERED?

Investigate one of the ocean's top predators and discover how great white sharks' movements are tracked by the Oearch research group. Examine shark teeth to learn how their specialized choppers enable them to prey on specific sea creatures. Consider the important role sharks play in the ocean's food chain and learn how we can help conserve these magnificent animals.

LS SI

AQUATIC ANIMAL ADAPTATIONS

Investigate how differences in aquatic environments affect animal life. Investigate aquatic habitats and identify unique adaptations that allow fish to thrive. Discover how eels hide, sharks swim constantly, and catfish find food in murky water. Work in teams and create a fish using the STEM model to live in a specific habitat. (3-hour program including 1/2 hour for lunch with the Build-a-Fish activity) (2-hour program including 1/2 hour for lunch without the Build-a-Fish activity)

LS LA M sponsored by Northeast Ohio Regional Sewer District

RIVERS & LAKES

Determine how Cleveland's industrial history affected animal life in the Cuyahoga River. Become water quality scientists and investigate the "crooked river's" current health. Conduct hands-on water quality experiments, tour the Ohio Lakes & Rivers gallery and learn the importance of protecting our waters from pollution. (2-hour program including 1/2 hour for lunch)

LS M SS sponsored by Northeast Ohio Regional Sewer District



OHIO STANDARDS KEY

LS Life Science LA Language Arts SS Social Studies
SI Science Inquiry M Math



GRADES 6 - 8

SHARKS CONSERVATION

Come face-to-face with sharks and investigate their unique adaptations. Track a Great White Shark and investigate the important role sharks play in the ocean ecosystem. Examine the structure and function of sharks' teeth to identify the prey they are adapted to eat. Find out how you and others can help with shark conservation.

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ECOSYSTEM EXPEDITION

From the Great Lakes to the Atlantic coral reefs, the Earth is full of diverse aquatic ecosystems. Collect data on biotic and abiotic factors, and explore the structure and function of fish fins, body shapes and color patterns. Discover how aquatic animals have adapted to survive in habitats across the globe.

LS SS

RIVER EXPLORERS

Explore the connection between Cleveland's industrial history and the water quality of the Cuyahoga River. Using the scientific method, test the river for dissolved oxygen, pH, phosphorous, nitrogen and turbidity. Investigate pollution sources like farm and urban runoff before proposing a plan to further improve our river's health. (2 1/2-hour program including 1/2 hour for lunch)

LS M SS sponsored by Northeast Ohio Regional Sewer District

WHAT'S INSIDE A SQUID?

To find out what's inside a squid, start with an Aquarium tour and classification of marine invertebrates based on body symmetry, ecological niches and external characteristics. Then dissect a squid to identify organ structure and function and learn how these organs, tissues, and cells help the squid to survive in its environment. (2 1/2-hour program including 1/2 hour for lunch)

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HIGH SCHOOL, A.P. & COLLEGE



WATER QUALITY SCIENTISTS

Explore the connection between Cleveland's industrial past and water quality of the Cuyahoga River. Complete chemical tests to determine turbidity as well as pH, dissolved oxygen, phosphate and nitrate levels. Analyze your data using graphs and compare your data to historic water quality trends. Tour the Ohio Lakes & Rivers gallery for a closer look at native aquatic species and discover why conservation of local water is so important. (2 1/2-hour program including 1/2 hour for lunch)

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MARINE SCIENCE TOUR

Take an in-depth, guided tour of our exhibits and meet the Aquarium curation team behind the scenes. Investigate the biodiversity of aquatic creatures and how we care for them. Closed-toed shoes required. (Note: This program is best suited for high school advanced placement students and college science classes.)

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