

City of Ocean City

Bayside Camp 2010

Bayside Camp offers ecological classes and workshops through the summer season. Registration for classes will be from 9:00 am to noon on Saturday June 5, 2010 at the Civic Center. After this date registration may be taken at the City Hall Annex (9th and Asbury) from 9 am to 4:30 pm. Classes have a maximum of seventeen students unless otherwise noted. Students are encouraged to bring a snack daily **(due to allergies, please no peanuts)** and wear sneakers as there are games in which involves running and other physical activity. All camp classes include a workbook to keep, experiments, hands on activities, live animals, movies and games. Some camps require a permission slip for field trips! Two certified, highly qualified science teachers teach the Bayside Camp. All classes are \$80. Campers must be between six and eleven years old and all camps run from Monday to Friday from 9 am to noon.

**Denotes a dissection class.

June 28-July 2- Sharks- Whaler Family**/ Living Fossils**

July 5- July 9- Caribbean Capers and Pirate Kings**/ Leaping Lizards and Silly Salamanders**

July 12-16- Coral Reef Sharks**/ Invertebrates**

July 19-23- Reptiles/ Mammals**

July 26-July 30- Sharks-Strange and Unusual**/ Chemistry/ Phases of Matter

August 2- 6- Flightless Birds**/ Totally Tropical Rainforests

August 9-13 – Polar Bears and Penguins/ Motion in the Ocean!

August 16-20- Flat Sharks**/ Ice Age

August 23-27- Man Eating Sharks/Salt Marsh Slimeys

Camp Descriptions:

Sharks! (All four classes)- There are four all new classes! The Whaler class (fifty four species worldwide) includes the black tip, nurse, grey nurse and the tiger. The coral reef shark class takes an imaginary voyage to the Australian Great Barrier Reef includes woblomg, port Jackson, horn and reef sharks. Why can they rest on the bottom and use their fins to walk along the reef but great white can't? During the strange shark week, discover the weird and wonderful goblin, threshers, Greenland and the giant hammerhead. Finally, learn all about the flat shark family including the sawfish, guitarfish, and angelfish. All four weeks end in a dissection of the most common shark in the world.

Living Fossils- Animals that evolved and adapted before the age of the dinosaurs, during the reign of the worlds' largest lizards and survived whatever caused extinction are called living fossils. These animals include the reptile family, sharks, and horseshoe crabs. Each day discover a different living fossil and one species of animals that went extinct during the Mesozoic Age. This class includes a dissection of a reptile!

Caribbean Capers and Pirate Kings- Become a member of the Bayside clan and learn about the area of the world known as the Spanish Main. Parrots, spider monkeys, the giant squid they called the Kraken are just some of the animals during this week. Create pirate maps to find buried treasure. Dissect a squid.

Leaping Lizards and Silly Salamanders- Lizards are a common reptile with dry, scaly skin and a long tail. Salamanders are a common amphibian with smooth, moist skin. Learn all about them and even dissect some!

Invertebrates-Animals without a backbone include crustaceans and insects. Study their differences with the vertebrate family, try to move like one, how they have evolved to survive harsh environments, and go on a hunt for some. Even dissect an earthworm.

Reptiles- Turtles, crocs, and alligators are just some of the animals of the reptile family. Are dinosaurs reptiles? Look at some live animals and have fun doing the croc walk.

Mammoth Mammals- Study the mammal family! Learn all about the largest of the mammal family like the elephant, giraffe, hippo and the cow. This whole new, redesigned class includes a dissection of a mammal's eye.

Polar Bears and Penguins Discover the polar regions of earth. Learn all about how adaptations allow animals such as polar bear, penguins, and arctic foxes to thrive in the cold! Conduct experiments using ice and water!

Chemistry and Phases of Matter- Investigate the phases of matter beyond the senses of sight, smell and taste. Define cohesion, adhesion, density, mixtures, absorption and evaporation. Conduct your own chemical experiments such as making an egg float and bounce, making slime, making a penny move without your fingers and define chemical reactions using a balloon. This is a totally hands on class that will awaken your senses.

Flightless Birds! - These birds are too heavy to lift off the ground. There are a dozen species including the ostrich (biggest), cassowary, emu, penguins and the rhea. Run races like them, perform dances, take a trip to the Cape May County Zoo and dissect a food source and owl pellets.

Totally Tropical Rainforests- Rainforests are located in Earth's Sunbelt and are homes to millions of plants and animals. Why are they disappearing? Learn about the strange and unusual including the capybara. Take a trip to the Cape May County Zoo to see one up close!

Motion of the Ocean- Through experiments; learn about salinity, tides, the water cycle, atmospheric movement, wave action and currents. Make a lava lamp. Model behaviors of fish and marine mammals and make the beach disappear in a winter storm.

Ice Age-The "glacial age" is a period of time in which the temperature of Earth decreased to the point of expansion of sheets of ice. Evidence of this time period include changes in fossils (examine a few), mass extinctions (learn about some of the most famous like the saber tooth tiger and the wholly mammoth), core specimens of the ocean bottom (take your own core sample) and rocks (examine the fire rocks). We will conduct experiments using salt (to prove changes in ocean currents) and ice. Make fossils of your feet!

Man Eating Sharks- Great white shark?! Bull shark?! Learn all about their behavior, anatomy, and if they hunt in packs. We will dissect a spiny dogfish at the end of the week. Also enjoy a field trip to the beach and learn which types of sharks live in New Jersey waters during the summer “fishing” season.

Salt Marsh Slimeys- Why does it smell when coming over one of Ocean City’s bridges? What is detritus and what animals are on that muddy salt marsh? Watch the ospreys on the Bayside camera. What are those weird little crabs with one huge claw? Learn all about the muck and mud that is around our island.