

PROGRAM	DESCRIPTION
<p>Apple Cider Press (At your school or Brookville Environmental Center)</p>	<p>Send your students back in time with our Apple Cider Program! Students will make apple cider using a traditional cider press. Younger students will compare size, shapes, and colors of different types of apples. Through interactive games students will learn about colonial life, seasons, five senses, and how to chart information.</p>
<p>Beach Ecology (At Jones Beach State Park or Fire Island's Sunken Forest)</p>	<p>Take your learning to the beach. Explore and compare multiple ecosystems. Study natural resources, ecosystems dynamics, and biodiversity through observations of organisms found in each environment. Students will also discuss the role of climate and water, wave properties, patterns of motion(bay vs. ocean), ocean temperture and currents; human impact on the environment.</p>
<p>Canoe Program (At Nassau BOCES Master's Gargae @ Caumsett State Park)</p>	<p>This activity introduces students to the protected waterway of Lloyd Harbor or the Pond at Caumsett State Park. Basic canoeing techniques, along with marine and estuarine ecology are a part of this experience.</p>
<p>Early Life on Long Island Formally Colonial (At your School or Brookville Environmental Center)</p>	<p>Journey back in time! Experience life as it was on Long Island centuries ago. Visit our log cabin and blacksmith shop. Customize your experience: Choose the activities that allow students to engage in making toys, learning the skills required by tradespeople, and playing period appropriate games.</p>
<p>Earth Balloon (At your school)</p>	<p>Students journey to the center of the earth as they enter the Earth Balloon and experience the earth in a a whole new way. Our 19 foot inflatable globe brings learning to life, and builds appreciation for our planet. The Earth Balloon provides the perfect opportunity to introduce students to a variety of topics. Topics include energy and water cycles, habitats, map concepts, geography, plate tectonics, Social Studies, and more.</p>
<p>Food Webs: In Nature (At Nassau BOCES Master's Garage @ Caumsett State Park)</p>	<p>This interactive program introduces students to the daily flow of energy from the sun to producers and consumers. After learning how to classify animals based on their level in a trophic pyramid, students will try to simulate a sustainable food chain to help them understand how critical the balance of predators and prey is to the ecosystem.</p>

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<p>Food Webs: Survival of the Fittest Marine Life (At Nassau BOCES Master's Garage at Caumsett State Park or Jone Beach)</p>	<p>Experience the beauty and dangers of marine organisms as they try to survive in their habitat. Engage your students in exciting activities as they experience how marine plants and animals interact with their environments and each other using their special adaptations to survive.</p>
<p>Food Webs: Survival of the Fittest Terrestrial Animals (At your school)</p>	<p>Engage your students in exciting interactive activities as they experience how plants and animals interact with their environments and each other using their special adaptations to survive. Discover how the loss of even one species changes the food web.</p>
<p>Forest Ecology (At Nassau BOCES Master's Garage @ Caumsett State Park)</p>	<p>Bathe in the beauty of nature. Students become part of the forest as they explore the outdoor classroom at Caumsett State Park. They will learn that a forest is not just the trees, but all of the living and non-living things in the ecosystem! What are the biotic and abiotic parts of a forest? How do they all connect together? This program will address these questions and demonstrate the complexity of a forest with the help of our outdoor classroom.</p>
<p>Glacial Geology: Earth Systems (At Nassau BOCES Master's Gargae @ Caumsett State Park)</p>	<p>Did you know that rocks tell us a story? In this hands-on program students will explore different types of rocks and how they are formed and changed through natural processes on the earth (weathering) and transported around the earth (erosion). Using geological history and investigation students will be able to explain the formation of Long Island, identify different rocks and wave and tide patterns, determining the role of weather and climate, and collect and identify biotic and abiotic specimens.</p>
<p>GPS, Geocaching and Earthcaching (At Nassau BOCES Master's Gargae @ Caumsett State Park)</p>	<p>The Global Positioning System (GPS) is a constellation of 27 Earth-orbiting satellites used to locate any position on Earth using a "GPS" receiver. Originally developed for the military, it has applications in navigation, surveying, exploring, biologic and geologic monitoring, mining, building and of course...education! The program provides your students with the necessary skills and experience with hand-held units to navigate their way on a course. This program is done with Orienteering.</p>

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<p>Long Island Map (Formally Giant Map) (At your school)</p>	<p>Walk across Long Island! Using our giant floor map students will locate and explore important features of the 118 miles we call home; including population density, flora, fauna, landmarks, boundaries, counties, towns. Students will walk away with the understanding of how to read a map legend, scale and compass rose.</p>
<p>Metamorphosis: The Life of Butterflies and Moths (At your School or Brookville Environmental Center)</p>	<p>Students will learn about the life cycles and unique adaptations of these beautiful creatures. After learning about the parts of a butterfly, metamorphosis and migration patterns, they will compare the features of a butterfly and a moth.</p>
<p>Nature Detectives for Primary Grades (At Brookville Environmental Center)</p>	<p>Nature Detectives brings books to life as students experience the outdoors! Through books students learn about and connect with our natural world through a series of fun and hands-on educational activities. Students become detectives by using their senses, natural curiosity, and sense of exploration as they explore the natural world around them. This program gives your students the opportunity to experience story telling in its purest form.</p>
<p>Oceanoagraphy (At your school)</p>	<p>We bring everything needed for student labs which focus on: Ocean currents, Density Salinity, Temperature, Erosion. Students work together in groups on a specific lab and present their findings to the class.</p>
<p>Orienteering I,II: Find Your Way! (At your school, or Nassau BOCES Brookville Enviornmental Center, or Master's Garage @ Caumsett State Park)</p>	<p>Learn how to find your way using a compass and map. Combining goemetry, math, science, geography students are taught to use a compass and to calculate distances through pacing. Employing these skills, they maneuver through a compass course, set up in your schoolyard or at one of the Nassau BOCES outdoor classrooms, by setting bearings and pacing to preset destinations. Orienteering II combines the skills learned in Orienteering I plus learning how to read a map and orient it north. Using a map and compass students will go on a hunt for landmarks throughout Caumsett State Park. Orienteering is a sport that requires the use of a map (and a compass for the more advanced levels).</p>

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<p>Pond Ecology (At Nassau BOCES Master's Gargae @ Caumsett State Park)</p>	<p>Become a field scientist for the day! Students will explore the pond by collecting and observing specimens using the tools of the trade. In this hands-on program students will experience the field like an environmental scientist. Caumsett's pond is the perfect site for studying a freshwater ecosystem. Students will identify organisms using field guides and a key and assess the health of the pond.</p>
<p>Primary properties of Matter (At your school)</p>	<p>Students investigate, describe, and classify different kinds of materials by their observable properties. Use standard and non-standard measuring tools, observation, and problem solving skills to investigate the physical properties of matter (Oobleck!). Students create a visual means to interpret their data.</p>
<p>Recycle: Learning How To Care For Our World (At your school)</p>	<p>Encouraging children to recycle teaches them about sustainability. Through hand-on activities students will learn about the impact of recycling, composting, decomposition, waste, water filtration, causes and effects of pollution and more. Students become stewards of their environment by learning that we can no longer afford to experiment with how much waste our planet can handle.</p>
<p>Saltmarsh (At Nassau BOCES Master's Garage @ Caumsett State Park)</p>	<p>Caumsett's 90-acre saltmarsh allow for an in depth study of this marine ecosystems. Saltmarsh hikes at low tide, and/or comparisons to the north shore beach is a popular program request.</p>
<p>Seashore (At Caumsett State Park)</p>	<p>Caumsett's 2 mile-long north shore beach allows students to study the rich biodiversity of this marine habitat.</p>
<p>STARLAB (At your school)</p>	<p>Bring the night sky to your school! Our portable planetarium will take students out of this world as they explore the galaxy. Students will learn the significance the stars played and continue to play in all cultures. Customized programs bring ancient cultures, cutting-edge science, and students' imaginations together to create an experience they will never forget.</p>

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<p>Teambuilding Activities: High Challenge Course: High Ropes Experience (Middle School-adult. At Nassau BOCES Brookville Environmental Center)</p>	<p>High Challenge Course activities build upon the group skills and trust developed in the challenge course experience. All high elements are at a 25- to 35-foot height and present individuals with a personal challenge of expanding one's comfort zone with the support of the larger group. Positive communication, trust, and appropriate risk-taking are all elements of this process. Students move through stations designed to focus on team building, effective communication, problem solving, acceptance of others, risk taking, physical and emotional support, and working with people of different styles.</p>
<p>Teambuilding Activities: Low Challenge Course: New Games, Initiatives (At Nassau BOCES Brookville Environmental Center or abriviated version at your school or any open field)</p>	<p>Groups move through a series of hands-on activities designed to develop communication, cooperation, trust, and problem-solving skills in an atmosphere of safety, respect, and fun. Participants are guided in making connections between these activities and "real-life" situations. Students move through stations designed to focus on team building, effective communication, problem solving, acceptance of others, risk taking, physical and emotional support, and working with people of different styles.</p>
<p>Trail Walk: Take a Hike! (At Nassau BOCES Brookville Environmental Center or Master's Gargae @ Caumsett State Park)</p>	<p>We are all part of natural world. Let nature be your classroom. Students will enjoy a walking/hiking experience whie learning about local plants and animals. Not only will this program open students' eyes to the wonders beyond the classroom, they will see and appreciate their own place in nature.</p>
<p>Weather (At Nassau BOCES Master's Gargae @ Caumsett State Park or At your school for grades 4-6)</p>	<p>Through measurement and experimentation, students are introduced to the concepts and tools to understand and interpret the atmosphere at Caumsett State Park and its effect upon the local weather. They will learn about the effects of the water cycle on our daily weather and how clouds tell us about the upcoming weather and about weather forecasting. At your school: Students will work in the school yard and use meteorology tools to collect data to provide evidence for how the motions and complex interactions of air massess result in changes in weather conditions.</p>
<p>Wilderness Survival (At Nassau BOCES Brookville Environmental Center or Caumsett State Park)</p>	<p>Do you have what it takes to survive in the wild? In this progam students will learn the basic skills of survival in the outdoors. They will be immersed in a variety of scenarios that will put their skills to the test.</p>