

Grade/Theme	Major Topics	Trips	Opportunities for Outdoor Learning
<p>Pre-K: <i>Forest school</i></p>	<ul style="list-style-type: none"> Playing/working together Classroom explorations/centers Observations and documentation Inquiry 	<ul style="list-style-type: none"> Prospect Park Natural Exploration Area The Brooklyn Botanic Garden 	<ul style="list-style-type: none"> Green Recess Neighborhood walk Outdoor free play Playground Prospect Park
<p>Kindergarten: <i>Shore School</i></p>	<p>Math:</p> <ul style="list-style-type: none"> Counting the amount of chairs, plates, and cups for lunch and snack times to ensure there is enough for everyone in the class. Choosing their areas to play during Choice Time <p>ELA:</p> <ul style="list-style-type: none"> Read alouds Writing their own and friends' names Bibliotherapy to help children identify and work through emotions Lesley Kopolow's "Unsmiling Faces" Teachers sit with a child and write and draw what they are going through 	<ul style="list-style-type: none"> Marine Park salt marsh A local pet store Valentino Pier Plumb Beach 	<ul style="list-style-type: none"> Green Recess in which they have hands-on activities (e.g. mud kitchen, meadow activities, watering, large format outdoor block building, many water related activities, water coloring with chalk)
<p>Math: Using found materials for mathematical thinking, counting, sorting, measuring problem solving, creating and extending patterns with shore artifacts; applying our number structure to our shore experiences.</p> <p>ELA: A water treasure and/or story/experience, oral presentations, book-making, research, read alouds, songs and poems, interviews of experts.</p>			

Grade/Theme	Major Topics	Trips	Opportunities for Outdoor Learning
<p>First Grade: <i>Green Space, Farms and the Community</i></p>	<ul style="list-style-type: none"> Insects, body parts, and functions Plant Ecology Exploration and experimentation with materials, worms, plants, cooking etc. 	<ul style="list-style-type: none"> Added Value Farms Brooklyn Botanical Gardens Union Square Farmer’s Market Theater Puppet Show Restaurants 	<p>Farming in the garden</p> <ul style="list-style-type: none"> Taking care of chickens Working the school farm (harvesting, watering, weeding, and cleaning.)
<p>Second Grade: <i>New York City, structures, rocks and mineral bridges</i></p>	<ul style="list-style-type: none"> What is Community What is in our community Who are the people? What are their jobs? How do we all work together <p>Math: noting quantities, amounts, taking inventory, snack set-up, story problems, exploration, measurement and data collection.</p> <p>ELA: labeling, how-to books, recipes, signs, menus, recording, interviewing community workers, note taking, writing questions, biographies, autobiographies, and read alouds</p>	<ul style="list-style-type: none"> Transit Museum School Community Farms 	<ul style="list-style-type: none"> Compost Building things for the farm
<p>Math: Measurement (Naturalist School and bridge design and construction)</p> <p>ELA: Observational drawing and descriptive, Island Stories, narrative nonfiction (fieldwork writing), science read alouds, fiction and nonfiction reading, writing, diagramming, and mapping.</p>	<ul style="list-style-type: none"> Geology- Rocks and bedrock of New York City Trees in New York City Islands Simple machines (form and function) New York City study - Bridges 	<ul style="list-style-type: none"> Prospect Park Governors Island Brooklyn Botanic Garden Staten Island Greenbelt Central Park Bridges Randall’s Island Little Red Lighthouse/ Brooklyn Bridge Park NYC Harbor Cruise AMNH Jamaica Bay Wildlife Refuge 	<ul style="list-style-type: none"> Brooklyn Bridge Randall’s Island Bridges Little Red Lighthouse/ GW Bridge Brooklyn Bridge Park NYC Harbor Cruise

Grade/Theme	Major Topics	Trips	Opportunities for Outdoor Learning
<p>Third Grade: <i>Geography and Culture of Africa</i></p>	<ul style="list-style-type: none"> West African Cultures/Biomes North African Cultures/Biomes East African Cultures/Biomes 	<ul style="list-style-type: none"> American Museum of Natural History Children's Museum Of Manhattan Brooklyn Botanic Garden Met Museum BAM Harlem Market Prospect Park Zoo Brooklyn Museum of Art Plumb Beach 	<ul style="list-style-type: none"> BNS Farm Camp Speers Plumb Beach Ice Skating
<p>ELA: Integrating texts, observational drawing and writing using descriptive language, African animal essay or stories, documenting cultural experiences in the passports of Africa, non-fiction, historical fiction, and folktales, trip sheets. Math: Measurement, Comparison, Estimation, Geometry.</p>			
<p>Fourth Grade: <i>Amsterdam and the Lenape Native Americans</i></p>	<p>New Amsterdam</p> <ul style="list-style-type: none"> Dutch settlers Reservoirs Wind and water energy Water quality <p>Native Americans</p> <ul style="list-style-type: none"> Lenape Culture Traditional Technologies Food & agriculture 3 Sisters' garden water resources past and present Trout farm 	<ul style="list-style-type: none"> American Museum of Natural History National Museum of the American Indian Lefferts Homestead Philipsburg Manor 	<ul style="list-style-type: none"> Build a wigwam Rainwater run-off Camp Ashokan Valentino Pier oysters
<p>Math: Problem solving, relationships, data collection. ELA: Developing a realistic character, assimilating real-life experiences into historical fiction writing/character work, taking on another person's perspective, designing floating islands.</p>			

Grade/Theme	Major Topics		Trips	Opportunities for Outdoor Learning
<p>Fifth Grade: <i>Mayan Culture, The Holocaust</i> <i>“What are you willing to stand up for?”</i></p>	<p><u>Mayan Culture</u> Science and Technology</p> <ul style="list-style-type: none"> • Civilizations • Water management • Architecture • Writing • Food & agriculture • Trade <p>Geography</p> <ul style="list-style-type: none"> • Climate • Environment • Topography <p>Religion and Culture</p> <ul style="list-style-type: none"> • Gods and myths 	<p><u>What will you stand up for</u></p> <ul style="list-style-type: none"> • Bullying • The Holocaust • Racism & prejudice 	<ul style="list-style-type: none"> • National Museum of the American Indian • American Museum of Natural History • MJH • <i>Heart in a Suitcase</i> play 	<ul style="list-style-type: none"> • BNS Farm • Frost Valley Camp • Ice skating • Building a Maya house • Battery Park monuments • Plumb Beach
<p>ELA: Nonfiction reading strategies, research skills, and note-taking, reading historical fiction, power dynamics of characters, crafting engaging and informative nonfiction, different points of view, poems that convey a message. Math: Maya number system-base 5 and base 20, graphing data (garbology), measurement (Maya projects).</p>				