

ANIMAL LIFE CYCLES

Children will learn about the different life cycles of amphibians, birds, fish, insects and mammals and the how they might be related to environmental adaptations. **Grade Levels: K - 4**

HABITAT

Students will learn about the special ecological environments of ponds, lakes and wetlands and the wildlife that inhabit them. Specific topics for workshop sessions: *Ponds, Salt Marsh, Web of Life*. **Grade Levels: K-4**

NATURE'S COMMUNITIES (BIOMES)

Students will learn about the distinct ecological communities of plants and animals living together in climates across the globe. Special focus will be given to the following biomes: *Desert, Tundra, Taiga, Rainforest and Ocean*. (Select one biome on which to focus.) **Grade Level: K –6**

STAYING ALIVE IN NATURE

Children will learn about the fascinating things animals and plants do to stay alive in their special habitats. Special emphasis will be placed on the salt marsh. Specific topics for the workshop sessions include *Adaptation, Diversity and Niche*. **Grade Levels: 4 and up.**

NATURE CSI

Children will learn to be Eco-Explorers, learning how to observe the natural world around them. As they investigate a simulated nature crime scene, they will explore animal tracks and many other animal signs to help solve the *crime*. **Grade Levels: 4 – 8**

THE WORLD OF THE SALT MARSH

Students will learn about the special secrets of the salt marsh, its importance, and the need to preserve it. Special emphasis will be given to the Idlewild Park wetlands and their role in the health of Jamaica Bay. Specific topics for workshop sessions will be:

- *Nature of Watersheds and Estuaries*
- *Ecology of the Salt Marsh*
- *Vanishing Salt Marshes and Restoration*
- *Microbes in the Salt Marsh*

Grade Levels: 4 and up



BODIES OF WATER: OCEANS, RIVERS, LAKES, PONDS, AND STREAMS



Communities. (Select 1 or 2 on which to focus.) **Grade Levels: K-8**

Students will learn about different bodies of water, the special environments they provide and the different species that live in them. Topics are *Freshwater & Marine Habitats, Rivers & Streams, Lakes and Ponds*, and *Marine*

WONDERS OF WATER -Students will learn about the properties of water and how it is a wonderful resource for man, the power of water and the ways in which water serves man and nature, and the uses and abuses of water. They will also learn about the many people who work with water. **Grades K-4**

CONSERVATION

Students will learn about the importance of the environment and problems man has created in the attempt to improve the lives of human beings. There will be three different conservation workshops. from which teachers can choose: **Grade Levels: 4+**

WATER, WATER EVERYWHERE, BUT DO WE HAVE

ENOUGH? — Emphasis will be placed on the ways in which man manages the Earth's water resources. Topics discussed will be *sources of water and their uses, watersheds, water quality, water pollution sources including sewage disposal and run-off*, and *water conservation*.

THIS LAND IS MADE FOR YOU AND ME ...But! Students will learn about the importance of different types of terrain with an emphasis on wetlands; land utilization including urban sprawl and its effects; soil pollution and conservation.

POWER UP! POWER DOWN! — These workshops focus on the different sources of energy and their uses, the advantages and disadvantages of each, and conduct a discussion of energy conservation and its importance

THE EARTH'S CRUST: ROCKS, MINERALS AND CRYSTALS–

Students will learn about the composition of the Earth's crust. They will learn the difference between rocks, minerals, crystals, soil, fossils, and gems, etc.

Grade Levels: 4 – 8

THE ROCK CYCLE

Students will learn about the different phases of the rock cycle and how the different classifications of rocks are formed. They will also learn to visually distinguish between igneous, metamorphic and sedimentary rocks based on what they learn about their formation. **Grade Levels: 4 - 8**

THE AGE OF DINOSAURS

Children will learn about the types of Dinosauria, their distinct traits, as well as other prehistoric organisms of the Mesozoic Era. They will also learn about the process of fossilization or ways in which living organisms can become fossils. **Grade Levels 2 - 6.**

THE ENVIRONMENT AND OUR HEALTH

Children will learn about the importance of air, soil and water quality and pollution exploring such topics as pesticides, oil spills, and greenhouse gases. They will explore how our health is related to our environment. **Grade Level: 5 and up.**

CLIMATE CHANGE & SUSTAINABILITY

Students will explore how human actions impact the climate and discover solutions to environmental challenges through topics like Urban Heat Islands, Environmental Justice, and hands-on Climate Solutions. **Grade Levels: 3 and up.**

STEM & ENGINEERING DESIGN

Students discover how STEM connects to real-world environmental solutions through engaging topics like nature-inspired engineering, green infrastructure projects, and creative experiments with sustainable materials. **Grade Levels 4 and up.**

OUR PLACE IN THE SOLAR SYSTEM

Students will go on a galactic journey as they learn about our solar system, the stars, and more! Specific topics for the workshop sessions include *planets, the sun, eclipses, and the moon*. **Grade Levels: 3 and up.**

GARDENING IN THE 21ST CENTURY

Students will learn the benefits of different methods of gardening for sustainability, freshness and access to quality food as well as be introduced to exciting ways of growing their own gardens in the urban environment. Topics: *Aquaponics, Hydroponics, Terrariums, and Life in a Vegetable Garden*.

Grade Levels: 4 and up. (Best is 4 or 5 sessions.)

PLEASE NOTE:

All lessons are compatible with the NYC, NYS and National Environmental Education Standards. For those schools which have adopted Amplify Science, Foss or other science programs, we will work with teachers to adapt lessons to fit the curriculum.

Don't See What You Want? Please call us. We work with teachers to tailor-make workshops for their classes.

GUIDELINES FOR VISITING IDLEWILD PARK PRESERVE

1. Workshops and field trips must be scheduled in advance by calling **347 824-2301**
2. Programs last approximately 45 – 90 minutes but can be adjusted to fit the schedule.
3. Workshops may be a single session or a series of 3–5 sessions (45–90 minutes each), held in the classroom or at the center with hands-on or virtual lessons. The final session may include a field trip to Idlewild Park Preserve.
4. A class is defined by the students listed on the class register. Smaller groups are encouraged for the best experience.
5. All participants may be required to wear masks during workshops at the center.
6. During in-classroom workshops, **teachers must remain with their classes**. Active teacher participation is welcome and enhances the lesson.
7. Classroom discipline is the classroom teacher's responsibility both in the classroom and on fieldtrips. Workshops and field trips will be terminated if classes are unruly.
8. A group leader **and** at least one other adult must chaperone a group on all field trips.
9. To help students observe the most wildlife, we ask that groups remain calm and respectful during field trips. Teachers are expected to stay with their classes and provide supervision throughout the visit.
10. Students should come prepared for walking and dress appropriately for the weather and outdoor environments.
11. Programs can be modified to meet your students' specific interests and abilities; just mention any special requests or needs when scheduling the workshop.

Important:

- Groups arriving more than 15 minutes late without prior notice may have their program cancelled. Please call ahead if you anticipate a delay.
- To cancel or reschedule a program, notify us as early as possible.
- For same-day field trip or workshop concerns, please call 347-824-2301.

PARENT/ TEACHER/COMMUNITY GROUP WORKSHOPS

ARE YOUR CHILDREN AT RISK? PROTECTING OUR ENVIRONMENT! PROTECTING OUR HEALTH.

Using multimedia, interactive presentation and discussion, parents, teachers and community groups learn about the environmental hazards and toxins that threaten the physical and mental health of their children. This workshop is available for PA/PTA meetings and other parent-arranged workshops. (Note: Other topics are available)

INDIVIDUAL SCHOOL FIELDTRIPS TO IDLEWILD

Individual field trips to Idlewild, independent of the workshop series, can be arranged for classes. The purpose of the field trip must be prearranged with the project staff in advance.

(Note: Virtual Field Trips are Available)

Note: Tours and fieldtrips are also available for community groups on a variety of topics.

Fieldtrip Times

9:30am – 11:00am

11:30am– 1:00pm |

(Note: Other times can be arranged.)

Fee Schedule:

The program is partially funded through a grant from NYC Discretionary Funds. To help defray costs the following fee schedule is: (Prices subject to change.)

	<u>Location – In Schools *</u>	<u>All at Center</u>
Three-session workshops --	\$380.00	\$300.00
Four-session Workshops ---	\$520.00	\$400.00
Five-session Workshops- ---	\$660.00	\$500.00

Individual Class On-site workshops: \$150

Individual Class In-school workshops: \$175

Individual Field trips – \$100.00 per class

*For In-School workshops, the last session is usually at the Idlewild Environmental Center.

All checks should be made payable to *Eastern Queens Alliance--Idlewild Park Environmental Center Project*. These fees are the lowest you can find for environmental education programs offered around the city. For those using school funds, our NYCDOE Vendors Number is **EAS723492**.

EASTERN QUEENS ALLIANCE, INC.



IDLEWILD PARK ENVIRONMENTAL SCIENCE CENTER

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WORKSHOP MENU

**FOR PUBLIC, PRIVATE SCHOOLS, LEARNING
CENTERS, HOME SCHOOLING NETWORKS &
ORGANIZATIONS**