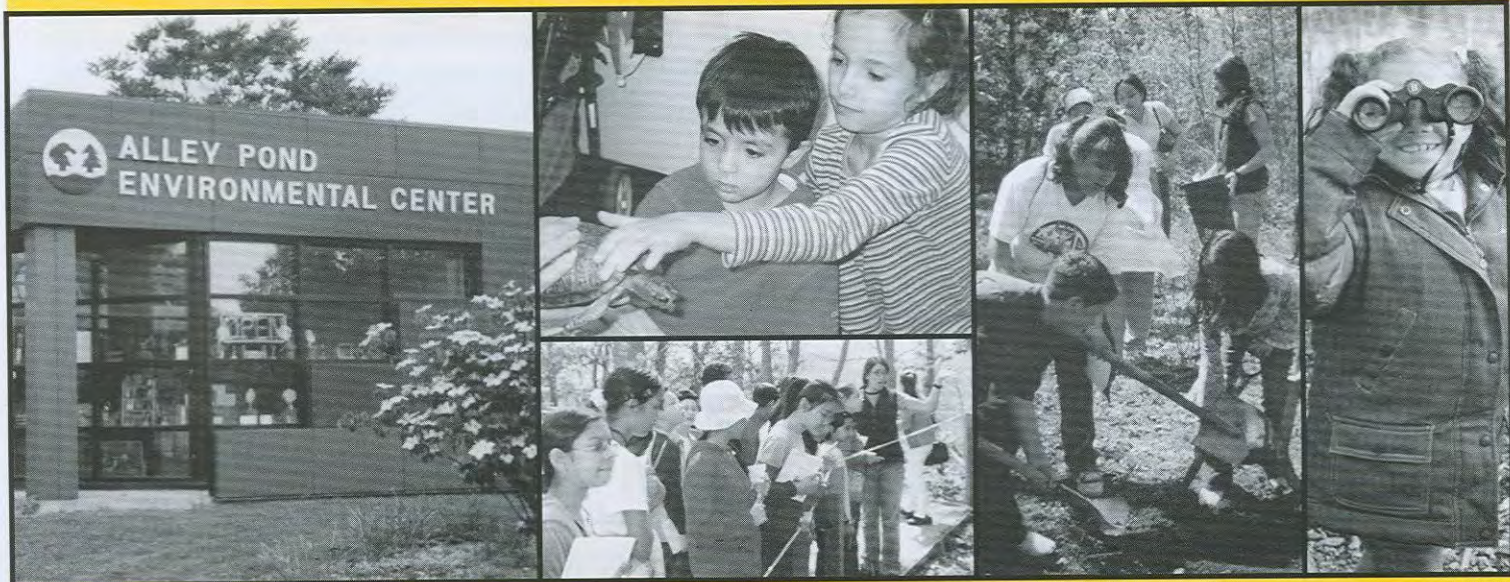


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**ALLEY POND ENVIRONMENTAL CENTER**  
228-06 Northern Boulevard • Douglaston, New York 11362-1068  
718.229.4000 • Fax 718.229.0376  
[www.alleypond.com](http://www.alleypond.com)

# ALLEY POND ENVIRONMENTAL CENTER (APEC)

228-06 Northern Boulevard • Douglaston, NY 11362 • 718.229.4000



## Educational Services

*Give a child a love of nature... and add pleasure to an entire lifetime!*

# Alley Pond Class Visit Options

## WORKSHOP TOPICS:

### INVERTEBRATE ANIMALS

#### 1. Earthworms

Students can handle these often misunderstood creatures to discover their anatomy, life cycle and role as decomposer in nature. During the workshop, children will complete a worksheet and use a hand lens to study the earthworm's body in detail.

#### 2. Detect and Inspect: Insects

Encourage children's fascination with insects by studying the habits and habitats of praying mantises, cicadas, crickets, ladybugs and especially bees and their importance to people.

#### 3. Butterflies: Beckoning Beauties

Discover characteristics, needs and life cycles of some of these "scaled winged" beauties as well as their adaptations to seasonal changes. How are they different from moths? \*Optional butterfly larvae are available only in May and only to visiting teachers. Instructions for set-up and care provided. Fee: \$3.00 per larva. Please call at least one month in advance to place your order.



#### 4. Marine Invertebrates

Come explore the variety of invertebrate life that exists within our marine ecosystems: from crabs to clams, from jelly-fish to sea stars! Students will get to touch and see some of these organisms and learn about their interesting adaptations for life in this magnificent ocean ecosystem.

### VERTEBRATE ANIMALS

Each group will be classified by their unique characteristics, body coverings, major stages of the life cycles and how their structure complements survival to the park's environment. Basic life functions and adaptations will also be addressed. View and touch live animals.

#### 5. Something Fishy

There are many different types of fish in the aquatic ecosystems of Long Island. Learn what makes them special as well as their adaptations for life underwater. Learn also what makes their homes, salt water and fresh water, such special and unique environments.

#### 6. Mammal Make-up

Identify several park mammals from bats to raccoons and discuss their habits and habitats.

#### 7. Feathered Friends

Over 180 species of birds can be found at Alley Pond Park! Some of these feathered friends are permanent residents, while others are just passing through on their migration along the Atlantic Flyway. During this program students use binoculars and bird guides to search for these fascinating creatures by learning basic bird identification skills.

#### 8. Profiles of Reptiles

Can a turtle take off its shell? What is a tuatara? Answer these questions and explore the fascinating world of reptiles.

#### 9. "Fast Food" Amphibians

Frogs, salamanders and caecilians are the only three amphibian groups in existence but among them they have over 4000 species! Learn all about these engaging skin-breathers and their fascinating life histories.

#### 10. Animals and Their Young

Are all animal babies born and raised the same way? Be introduced to developmental differences and similarities among the bearing and rearing of three different groups—mammals, reptiles and birds. (Note For Grades K and 1, two groups will be compared)



### ECOSYSTEMS

Examine the relationships and interdependence of living and nonliving things and how the sun is the primary source of energy for biogeochemical cycles.

#### 11. Fascinating Deciduous Forests in Alley Pond Park

This program illustrates biodiversity as participants learn the levels of an eastern forest and its inhabitants. Discuss parts of a tree, photosynthesis, and learn about the value of trees in urban environments.

#### 12. Pond Discovery

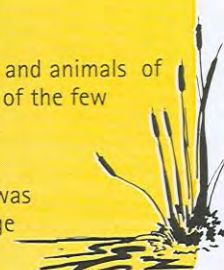
Ponds may appear to be quiet areas where carefree insects and ducks spend their days-- not so! Birth, death, battle for territory, seasonal change and a highly complex food web result in a constant struggle for life while holding this dynamic system together.

#### 13. Estuaries and Endangered Wetlands

Did you know that we have an estuary of national significance right in our backyard? This program explores the habitats, plants, and animals of the Little Neck Bay and Long Island Sound coastal region. Examine the functions and values of estuaries and wetlands. Visit one of the few remaining salt marshes in Northern Queens located in Alley Pond Park.

#### 14. Urban Lake Ecology

Formed by a glacier, an explanation of the ecology of Oakland Lake, a natural fresh water lake, will be discussed. How and why was this area inhabited by the Mattinecock Indian Tribe and was a water source for Flushing Village? Learn some Indian sign language relating to water and more. Option - class may visit Oakland Lake in Alley Pond Park.



## SEASONAL SPECIALS

### 15. Changing With the Seasons (offered year round)

Organisms change over time. Explore how plants and animals adapt to live and survive through seasonal changes: fall readiness, winter adaptations, spring rebirth, summer bounty.

### 16. Winter Clues (December - February)

Animals abound in Alley Pond Park, even in the winter. After learning about tracks and clues animals leave behind, students will go outside and scour the snow for signs that wildlife is around and surviving through the hardship of winter.

### 17. Cycles and Rebirth (March - April)

Have you heard the news? Red wings, red maple buds, tent caterpillars and Canada Geese have been seen in the park and are preparing for their yearly rituals of rebirth. Find out about their timeless secrets for yourself!

### 18. Horseshoe Crabs (May - June)

They are not crabs and they are not worn on horses' feet! Closely related to ticks and spiders, they may look frightening but are actually completely harmless. Discover how these fascinating creatures have sustained life since the time of the dinosaurs.



## HUMAN IMPACTS AND NATURAL RESOURCES

Human activities and decisions have changed our living environment dramatically. Hands-on, age appropriate activities illustrate these workshops' science concepts.

### 19. Native Americans in Queens: The Original Conservationists

View actual artifacts of the Mattinecocks, an Algonquin Tribe, and discuss traditional lifestyles. Touch an arrowhead and other tools; see clothing and housing. Instructor demonstrates how to make a bow and arrow that the class can keep! This 2 hour program includes a "pack up" craft to take back to school.

### 20. The Nature of Water

Where does it come from; where does it go? Learn about the water cycle and supply of this precious resource through hands-on activities. Focus on the chemical, biological, and physical properties of water. Recommended for grades 3 and up.

### 21. Trash in New York City: Recycle, Reuse, Reduce, Refuse

What is trash, where does it come from and how do we get rid of it? Identify household products that are recyclable. What resources are used to make them? Infer why the 4 R's are necessary to help preserve our environment.



### 22. Endangered Species

Explore the reasons for endangered plant and animal species. Discover some of the things you can do to halt the decline in their populations. An introduction to biodiversity and invasive species will be given.

### 23. Climate Change, Global Warming and Sustainable Energy Sources

How does global warming occur and how does it relate to sustainable energy resources? What are the consequences of climate change? We will explain some simple ways you can protect our planet.

### 24. Turtle Pond, A Glacial Kettle Pond

Discussion of amphibians, turtles, and Kettle Ponds. Listen for peepers, birds and other frogs. How is acid rain affecting pond life. Collect pond water to observe and identify some examples of pond life. Optional - visit the forested area of Alley Pond Park to walk around Turtle Pond.

## CONSOLIDATED EDISON OF NY SPONSORED PROGRAM

### 25. Rain Drops to Drink - NYC's Water Supply System

What happens when you turn on the sink's faucet. Do you know where the people in NYC get their water? How do reservoirs and watersheds fit into this picture? Discover how our wonderful water system works and how you can conserve our precious resource - safe drinking fresh water. Hand outs for teachers available. Cost is \$100 per class. This program is one and half hours in length.

Science Education kits are available for some programs to extend learning in the classroom. Call for further information.

Pre and post trip information available for each topic



## Standards

Programs incorporate some standards from the following: Science Standard 4, The Living Environment; Science Standard 1, Analysis, Inquiry and Design; and Science Standard 2, Information Systems.

All Workshops provide educational concepts about various aspects of Alley Pond Park's living environment that will enrich the NYC science curriculum objectives.

### 2 hour workshop: \$7.00 per student

- Indoor orientation: Introduction to APEC and a standard based lesson adapted to your groups grade level. Topic selected by the teacher
- Guided Interpretive Nature Walk: Hike the park's woodland or wetland trails
- Observe, touch and discuss similarities and differences among APEC's live animals
- Science Based Activity\*: A creative thinking challenge to take home!

*\*Optional: Barebooks to create nature journals available to visiting classes with all programs. Extra fee \$1.50 per barebook (Will fulfill some Language Arts standards)*

### 1 hour workshop: \$6.00 per student

- Hands-on Animal Demonstration
- Guided Interpretive Nature Walk: Hike the park's woodland or wetland trails

*No child should be left out because of inability to pay. Please call ext. 208.*

*Minimum fee for all programs is \$50 per group/ class.*

*There is a fee of \$3.00 per parent/ chaperone;*

*no fee for teachers/ paraprofessionals.*

## TRY SOMETHING NEW - A FIELD STUDY LABS APEC's OUTDOOR CLASSROOMS

We invite you to schedule a program for your group in the Padavan Pavilion and/or the Douglaston Wind Pump, our outdoor classrooms. These sites are sturdy, comfortable areas and are a perfect setting for a single class. APEC's outdoor classrooms add excitement to every student's environmental experience.

## SPECIAL EDUCATION

APEC offers a 1 hour program for children with special needs consisting of live animals and, if possible, short nature walk.

## KEEP IN MIND...

Classes will be held rain or shine. Dress appropriately-- wear boots in colder, wetter months and bring insect repellent in the spring.

Discipline is always the responsibility of the class teacher. Adult supervision is appreciated and mandatory.

Classes may bring lunch and eat at picnic tables weather permitting. Handwipes are suggested. No indoor lunch facilities available.

Collecting of plants and animals from the park is NOT permitted.

If your bus is running late, please inform our registrar at 718-229-4000 ext. 0.

## Call For More Information and Brochures on Outreach, Teacher Workshops, Early Childhood, Middle and High School, Career Days, Internships, College and Consultations

### IMPORTANT!

To schedule appointments for any educational service call APEC at 718.229.4000. We start to book class visits for the current year the last week of August.

To confirm your trip, select a workshop topic from the available choices and IMMEDIATELY send a \$50 deposit\* per class. Otherwise, we will be forced to give your date to a class on the waiting list.

Please make your checks payable to: APEC, 228-06 Northern Blvd., Douglaston, NY 11362-1068

**\*CANCELLATION POLICY: IF CANCELLATIONS ARE MADE AT LEAST ONE MONTH IN ADVANCE, A FULL DEPOSIT REFUND OR AN ATTEMPT TO RESCHEDULE WILL BE MADE. THERE ARE NO REFUNDS FOR PROGRAMS CANCELLED LESS THAN ONE MONTH PRIOR TO PROGRAM.**

### CONFIRMATION FORM

School \_\_\_\_\_ # of Classes \_\_\_\_\_ # of Students \_\_\_\_\_

Trip Date \_\_\_\_\_ Time of Trip \_\_\_\_\_ Grade \_\_\_\_\_

Check all that apply: ESL \_\_\_\_\_ Wheelchair(s) \_\_\_\_\_ Special Needs (explain) \_\_\_\_\_

Topic Selected (list title and #) \_\_\_\_\_

Program length: 2 hr \_\_\_\_\_ 1 1/2 hr \_\_\_\_\_ 1 hr \_\_\_\_\_ Deposit Amount Sent \_\_\_\_\_

Teacher (s) \_\_\_\_\_ Cell Phone Number \_\_\_\_\_

E-mail \_\_\_\_\_



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
7/7/2011

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

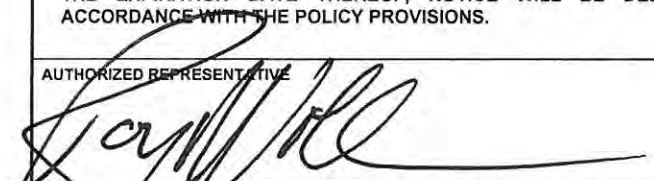
<b>PRODUCER</b> <b>VOLLMER-ADAIR AGENCY, INC</b> 44 Broadway P. O. Box 356 Greenlawn NY 11740		<b>CONTACT NAME:</b> Russell Vollmer <b>PHONE (A/C, No. Ext):</b> (631) 261-1972 <b>E-MAIL ADDRESS:</b> Russ@vollmerins.com <b>PRODUCER CUSTOMER ID #:</b> 00000843		<b>FAX (A/C, No):</b> (631) 261-1978
<b>INSURED</b> Alley Pond Environmental Center, Inc. 228-06 Northern Blvd Douglaston NY 11363		<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
		<b>INSURER A:</b> Philadelphia Indemnity Ins Co		18058
		<b>INSURER B:</b> National Benefit Life		61409
		<b>INSURER C:</b>		
		<b>INSURER D:</b>		
		<b>INSURER E:</b>		
		<b>INSURER F:</b>		

**COVERAGES**                      **CERTIFICATE NUMBER:** 11/12                      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY					EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	<input checked="" type="checkbox"/>	PHPK672133	1/27/2011	1/27/2012	MED EXP (Any one person) \$ 5,000
	GEN'L AGGREGATE LIMIT APPLIES PER:					PERSONAL & ADV INJURY \$ 1,000,000
	<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC					GENERAL AGGREGATE \$ 2,000,000
						PRODUCTS - COMP/OP AGG \$ 2,000,000
						\$
A	AUTOMOBILE LIABILITY					COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input type="checkbox"/> ANY AUTO					BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS		PHPK672133	1/27/2011	1/27/2012	BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS					PROPERTY DAMAGE (Per accident) \$
	<input checked="" type="checkbox"/> NON-OWNED AUTOS					Terrorism \$
						\$
						\$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB					EACH OCCURRENCE \$ 1,000,000
	<input type="checkbox"/> EXCESS LIAB					AGGREGATE \$ 1,000,000
	<input checked="" type="checkbox"/> DEDUCTIBLE					\$
	RETENTION \$ 10,000	<input checked="" type="checkbox"/>	PHUB333101	1/27/2011	1/27/2012	\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY					WC STATUTORY LIMITS
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/>	N/A			OTHER
	If yes, describe under DESCRIPTION OF OPERATIONS below					E.L. EACH ACCIDENT \$
						E.L. DISEASE - EA EMPLOYEE \$
						E.L. DISEASE - POLICY LIMIT \$
B	Diability Benefit Law		8-910-0175870	07/01/2000	Continuous	Statutory Limits

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 As respects school trips to the insured's premises, the certificate holder is included as an additional insured by written agreement.

<b>CERTIFICATE HOLDER</b>  New York City Dept. of Education 65 Court Street Brooklyn, NY 11201	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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