



## Judith L. Shipley Urban Environmental Center Field Trip Guide



### Inspiring Students / Cultivating Minds

-Environmental education fostering critical thinking, problem solving, and student collaboration  
- Lessons support Next Generation Science Standards (NGSS) and Common Core Standards.

#### Pre-K and Kindergarten

##### **Veggies** \*Reverse Field Trip

Your students will learn about veggies; the parts of the plants we eat. We read *The Vegetables We Eat*, look for veggies in our garden and plant veggie seeds to take back to school. **Indoor & Outdoor**

##### **We Need Bees** \*Reverse Field Trip

Discover the wonder of bees! After an engaging bee story, students become bees – collecting pollen with their very own pollen baskets and even learn the bee waggle dance. **Indoor & Outdoor**

##### **Hikes for Tykes** (Not available Dec - Feb)

Students travel on a nature journey to discover a garden filled with the colors, textures, and shapes of plants and flowers. Students become animals of the garden in an engaging game to collect their food. **Indoor & Outdoor**

##### **Hoppin' To Learn** (Not available Dec-March)

Become a fan of frogs as your students discover the wonderful world of amphibians! Your students learn about the life of frogs through stories, poems, and games. Students also visit our garden pond and search for parts of the frog's habitat. **Indoor & Outdoor**

#### GRADES 4 to 12

##### **Worm in the City: Urban Recyclers**

Students discover how these wriggling creatures turn garbage into compost. Using stereo microscopes, your students examine an active worm bin, explore a compost ecosystem and food web, and examine worm anatomy and natural history. Students then visit an active garden compost system. **Indoor and Outdoor**

##### **Healthy Eating: The Power of Good Nutrition**

###### \*Reverse Field Trip

Students learn that food is like fuel to our body and explore which type of food provides the most benefits. Your students will learn what to eat, when to eat it, how much to eat and more. **Primarily Indoor**

#### **LIFE IN THE POND:**

##### **An Ecological Study (2 hours)**

(Not available Dec-March)

Evaluate the health of our pond by becoming scientists. Student teams will collect specimens and conduct chemical tests to gather data on the pond's living and non-living components. **Indoor & Outdoor**

##### **Gardening with Nelson Mandela**

(Not available Dec-March)

Introduce your students to South Africa, apartheid, and Nelson Mandela - Prisoner, Rooftop Food Gardener. Students will explore the biomes, plants, & culture of South Africa. Discover why Mandela saw the garden as a metaphor for certain aspects of his life. **Indoor with outdoor tour of the Mandela Garden**

##### **Our Sustainable City**

Students learn the environmental impacts of land use and explore emerging sustainable technologies. Given the "tools" to design a sustainable city, students make decisions about buildings, businesses, services, and housing. Students prepare a model and give presentations on different aspects of their renewed city. **Indoor & Outdoor**

#### Registration Fee

(Pre- registration required)

**\$150 for Pre-K and K Programs/  
Minimum 15 students**

**\$250 for Grade 1 to 12 Programs/  
Minimum 25 students**

#### Program Schedule

Pre-K and K Programs  
are 60 Minutes

All Other Programs are 90 Minutes  
**Monday – Friday**

Morning 9:30-11:30am/  
Afternoon 12-2:00pm

#### **Saturday-Sunday**

Morning 9:00-11:00am/  
Afternoon 12-2:00pm

**For Reservations call  
(973) 642-4646 ext 12**

#### **Program Descriptions:**

- Programs can be adapted to meet special needs
- All programs are interdisciplinary
- All programs run rain or shine

\*Reverse Field Trips- These lessons can also be experienced at your school!

#### GRADES 1 to 3

##### **Urban Habitats** \*Reverse Field Trip

Join us for the wild side of the city. Explore the plants and animals in our urban environment. Students will learn about the behaviors, adaptations, habitat requirements, and characteristics of mammals, birds, and earthworms. **Indoor and Outdoor**

##### **What's the Buzz** \*Reverse Field Trip

Your students will explore the fascinating world of insects through metamorphosis, insect anatomy, and insect impacts on gardens/farms. Program culminates in an insect safari. **Indoor & Outdoor**

##### **Bee Wise** (Not available Dec-March)

From their role in pollinating crops to the sweet honey they make, bees are an important part of our world. Your students learn how bee socialites "beehave" – with different members, different jobs, and different body shapes. Students visit a live functional hive in our garden. **Indoor and Outdoor**

**Greater Newark Conservancy**

Judith L. Shipley Urban Environmental Center

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