



BIRMINGHAM BOTANICAL GARDENS

## **Discovery Field Trip Objectives** (Correlated with Alabama Course of Study)

### **The Secret Life of Trees (Kindergarten)**

- Observe, compare, and describe the properties of trees and parts of trees
- Compare changes in parts of trees through the seasons
- Acquire the vocabulary associated with the properties and structures of trees
- Use oral language to describe observations
- Observe animals that depend on trees for food and shelter

### **Alabama Woodlands (1<sup>st</sup>-6<sup>th</sup> grades)**

- Discover 3 ways animals use and depend on plants as well as 3 ways woodland plants depend on animals.
- Observe ways that plants and animals in a forest community are interdependent.

### **Dr. George Washington Carver (1<sup>st</sup>-6<sup>th</sup> grades)**

- Examine the life and unique contributions of Dr. George Washington Carver.
- Discover the importance of nitrogen to green plants.
- Identify, not consume, wild edible plants on the grounds of the BBG.
- Harvest peanuts, sweet potatoes and cotton in the Gardens to take back to class.

### **Garden Gates Workshop (3<sup>rd</sup>-6<sup>th</sup> grades)**

- Identify the basic parts of a plant and the function of each part: roots, stems, leaves, flowers.
- Identify the basic parts of a flower and the function of each part: petal, stamen (anther, filament, pollen), and pistil (stigma, style, ovary).
- Propagate plants using three different methods of propagation: seeds, cuttings, and division, and take their plants back to class.

### **Native Americans (1<sup>st</sup>-6<sup>th</sup> grades)**

- Discover and identify varieties of plants used by Native Americans for food, medicine, ceremonies, travel, shelters, dyes, weapons, and musical instruments.
- Observe different farming methods used by Native Americans in a Three Sisters' Garden.
- Connect the importance of legends to the Native American culture.

### **Tropical Rain Forest (1<sup>st</sup>-6<sup>th</sup> grades)**

- Explore various plants in a tropical rain forest including chocolate, coffee, lemons, bananas, pineapple, and cinnamon.
- Describe six different plant adaptations in a tropical rain forest and locate each in the Botanical Gardens Conservatory.
- Associate plant products with their sources.