Rainforest Rendezvous

PROGRAM OVERVIEW 2015

Objectives

MO Learning Standards for 3-5:

EC.1 – Ecosystems
EC.2 – Matter and energy flow through an ecosystem.
ES.1 – Climate
LO.1 –Structures and adaptations of living things.

NGSS Standards for 3-5:

LS1.A – Structure and Function
LS1.C – Organization for matter and energy flow.
LS2.A – Interdependent relationships in ecosystems
LS4.C – Adaptation
LS4.D – Biodiversity and humans.
ESS2.D – Weather and Climate

About the Program

Designed for students in 3rd through 5th grades, the Rainforest Rendezvous program makes a wonderful kickoff or concluding experience for any classroom discussion around biomes or ecosystems. During this class, your students will:

- **Learn what is meant by a 'tropical rainforest'** and how this unique environment differs from what we experience locally,

- **Rotate through stations** that invite them to examine rainforest plants up close and notice the adaptations these plants exhibit that allow them to survive in a rainforest,

- **Explore the Climatron®** in small groups led by one of our instructors to photograph adaptations they see in the plants growing there,

- **Plant a cutting** to take home or to the classroom to observe as it grows.

More than Just a Field Trip...

School groups participating in the Rainforest Rendezvous field trip program walk away with more than just a memorable experience in one of the most unique conservatories in the world: they come away with a one-of-a-kind resource that can be used in the classroom and shared with their school community!

During the Climatron® exploration, students will identify key adaptations that enable plants to compete and survive in the tropical rainforest. The photos they take will be loaded into a Rainforest Rendezvous presentation and made available to teachers to use in the classroom when reviewing the field trip experience back at school. All of the photographs students take will also be made available to teachers in the form of a Flickr album that can be downloaded or shared!
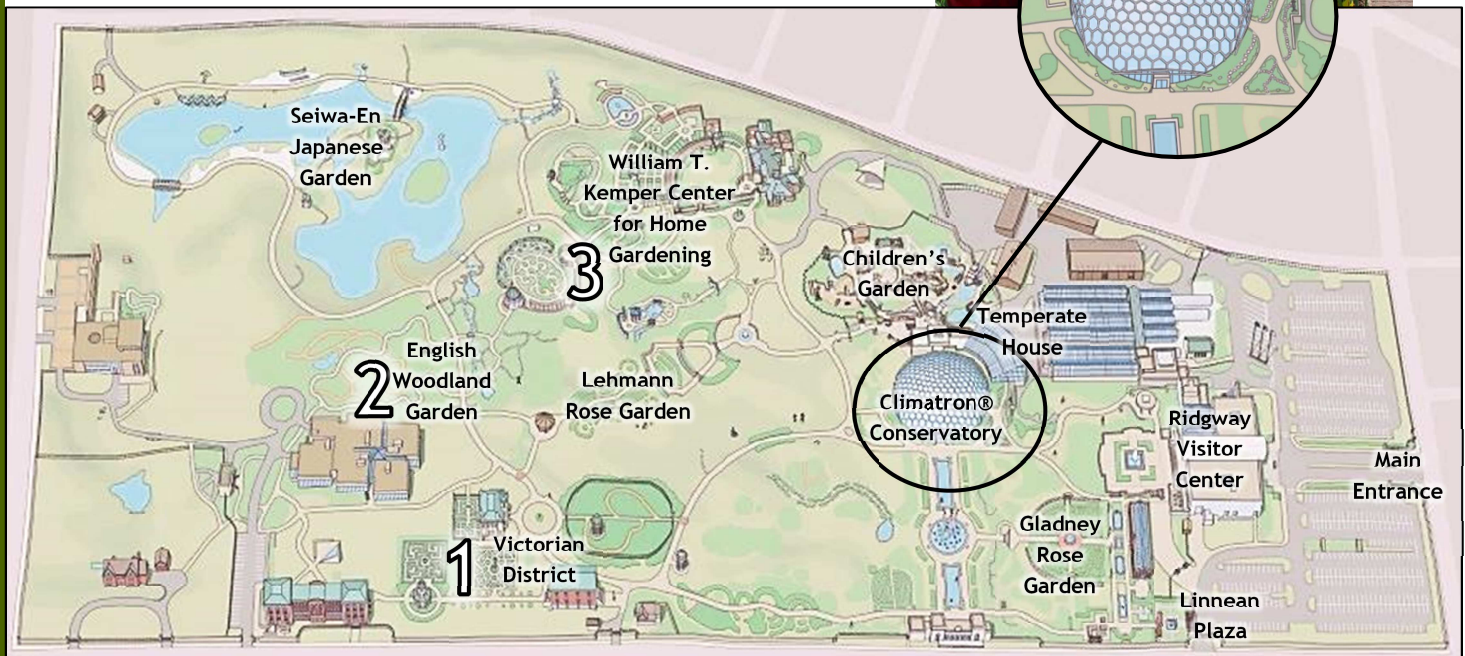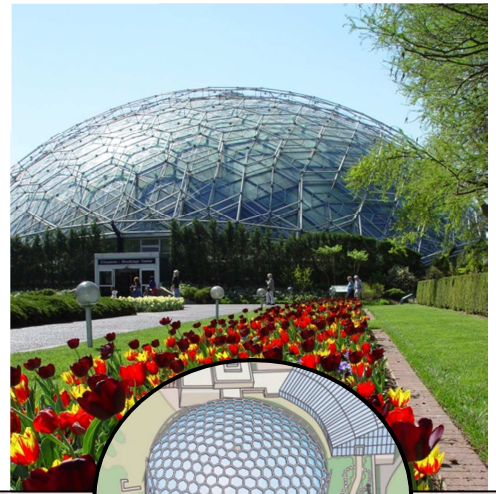
This Program Features:

The Climatron® Conservatory

Completed in 1960, the Climatron® was the first geodesic dome to be constructed as a plant conservatory. Rising 70 feet high and 175 feet in diameter, the Climatron® houses the Missouri Botanical Garden's tropical rainforest collection, comprising more than 2,800 plants representing more than 1,400 species from around the world. The name, 'Climatron' was coined to highlight the controlled climate within, maintaining inside temperatures of between 70 and 80 degrees throughout the year.

Map of Missouri Botanical Garden showing: Seiwa-En Japanese Garden, William T. Kemper Center for Home Gardening (3), English Woodland Garden (2), Lehmann Rose Garden, Children's Garden, Temperate House, Climatron® Conservatory, Ridgway Visitor Center, Main Entrance, Gladney Rose Garden, Victorian District (1), Linnean Plaza

Other Places to Explore...

Make the most of your visit by taking your students to explore the following areas after your program:

1. **The Victorian District** – Visit Henry Shaw's country home and experience what life was like in St. Louis during the mid-1800s. Then enjoy the Kaiser Maze and the ornate Victorian gardens.

2. **The English Woodland Garden** – Stroll through a temperate forest and compare it to what you see in the Climatron™. Show students the many ways in which plants adapted to our climate differ from those adapted to warm, wet environments.

3. **The Kemper Center –** This 8-acre complex includes 23 demonstration gardens, including a vegetable garden, a bird garden, native gardens, gardens for butterflies and even a garden for children!

Logistics for Teachers

❀ Each Seasonal Snapshot program lasts **2 hours** and serves a maximum of **60 students**.

❀ Up to **two programs** may be booked on the same day at the same time, pending availability.

❀ Program fees include admission for up to six adults per 30 students. (Additional adults will be charged normal admission rates.) Please try to bring at least **one adult for every five students**.

❀ Groups booking this program may eat lunch in their assigned program space if they wish. (Please note that picnicking on the Garden's grounds is prohibited.)

❀ Program availability is limited! Book early!

For more information or to book this program, please visit www.mobot.org/schoolprograms or call the School Programs office at 314-577-5185.

❀ **MISSOURI BOTANICAL GARDEN**
4344 Shaw Blvd. St. Louis, MO 63110 • (314) 577-5100 • www.mobot.org