

High School Self-Guided Tour Teacher Information

We're glad you can join us for a self-guided tour at the Conservatory of Flowers with your high school group! The purpose of this sheet is to provide you with everything you need to know for the trip. Please make sure to read over this document as well as the attached teacher's edition of the worksheet before your trip, and if you have any questions or have not yet scheduled your field trip, please contact Erika Frank, Director of Volunteer Services, at efrank@sfcof.org or (415) 637-4326. Reservations are required.

Each student should bring a pencil and clipboard or other hard surface to write on.

Directions & Checking In

The Conservatory of Flowers is located at 100 John F. Kennedy Drive in the northeast section of Golden Gate Park. Free four-hour parking is available along JFK Drive.

The Conservatory of Flowers can be accessed from MUNI lines 5, 21, 33, and 44.

For more information about getting to the Conservatory, please visit www.conservatoryofflowers.org/visit

When you arrive, please check in at the ticket booth in front of the Conservatory's main entrance. They will provide you with copies of the student handout and materials for the History Matching Game Activity (described below), and a free admission ticket for the group.

There are no restrooms inside the Conservatory, but there are public bathrooms just to the left (west) of the building.

When you leave, make sure to leave the matching game cards at the ticket booth.

Conservatory Rules

No food or drinks are permitted inside the Conservatory. The steps and lawn in front are a great place for a snack or lunch.

Students should understand that they are not permitted to touch any of the plants. Some of them are very sensitive to human touch, are sharp, and even poisonous!

Cell phones and other handheld electronic devices are allowed for picture-taking only. There should be no talking on phones or music playing inside the Conservatory.

Activities

While in the Conservatory, students will rotate through the building, completing three activities as listed on their handout. They will observe different types of leaves, go on a plant evolution scavenger hunt, and play a matching game about the history of the Conservatory. For the last activity, you (or another adult) will be expected to help lead the activity each time. You can group up either under the wooden structure or on the semi-circle wooden bench in the back of the Potted Plants Gallery. Please lay out the pictures somewhere where everyone can see them, and hand out the written passages to students. Students will take turns reading a written passage and matching them to their corresponding pictures. For your reference, you should have also received electronic versions of the matching game photos and written passages.

Each activity should last about 20 minutes, and the entire tour should last about one hour. Please feel free to visit the (always changing) special exhibit if you have time.

Groups and Chaperones

Please divide your class into three groups. Each group needs to have at least one adult chaperone. Since one adult needs to be in the Potted Plants Gallery leading the History Matching Game the entire time, there needs to be at least three adult chaperones besides yourself on the tour. Please share a copy of the teacher answer key and map with each adult chaperone. After each 20-minute activity, groups will rotate to the next activity. It may be helpful to appoint a "time-keeper" in each group.



HIGH SCHOOL SELF GUIDED TOUR

Welcome to the Conservatory of Flowers!
 Please complete the following activities. Each one should take approximately 20 minutes. If time allows, make sure to check out the special exhibit.
 Remember to respect other guests at the Conservatory and keep the plants safe. Please do not touch any of the plants.

Name _____
 Date _____
 Teacher _____
 Period _____

Part One: Leaf Observation

For this activity, you should be in the Aquatic Plants Gallery

Every plant's leaves have adapted to its environment, depending on the availability of sun, air, water, and nutrients. The following are plants with unique types of leaves, each adapted for their specific habitats. Find these three plants, and observe their leaf size, shape, color, and placement. Draw a sketch of each plants' leaves.

Bromeliads, *Bromeliaceae* family
 Pitcher Plant, *Nepenthes* sp.
 Medinilla, *Medinilla myriantha*



1. Plant Name:
Medinilla
 Origin/Native Habitat:
Philippines, Indonesia

Describe Leaf Characteristics:
**Glossy,
 Resists water**
 Possible benefits to the plant for having this type of leaf:

Repels water in very wet climates to protect plant from rotting



2. Plant Name:
Pitcher Plant
 Origin/Native Habitat:
Malaysia

Describe Leaf Characteristics:
Leaf modified into pitcher
 Possible benefits to the plant for having this type of leaf:

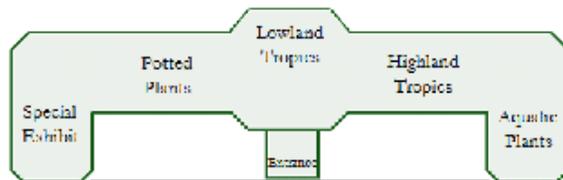
Catches bugs and other animals in climate with few nutrients in soil



3. Plant Name:
Bromeliad
 Origin/Native Habitat:
Tropical America

Describe Leaf Characteristics:
Hard leaves, scales on edges, forms cup
 Possible benefits to the plant for having this type of leaf:

Absorbs nutrients through scales, cup holds water that other animals can use



Map of the Conservatory of Flowers

TEACHER ANSWER KEY

