

YOUR MISSION GROW BEYOND

MISSION ACCOMPLISHED

After you are done exploring, take your completed mission back to The Shop and share your work with the Expedition Discovery Volunteer to claim your pin!



Date of Exploration: _____

Time of Exploration: _____



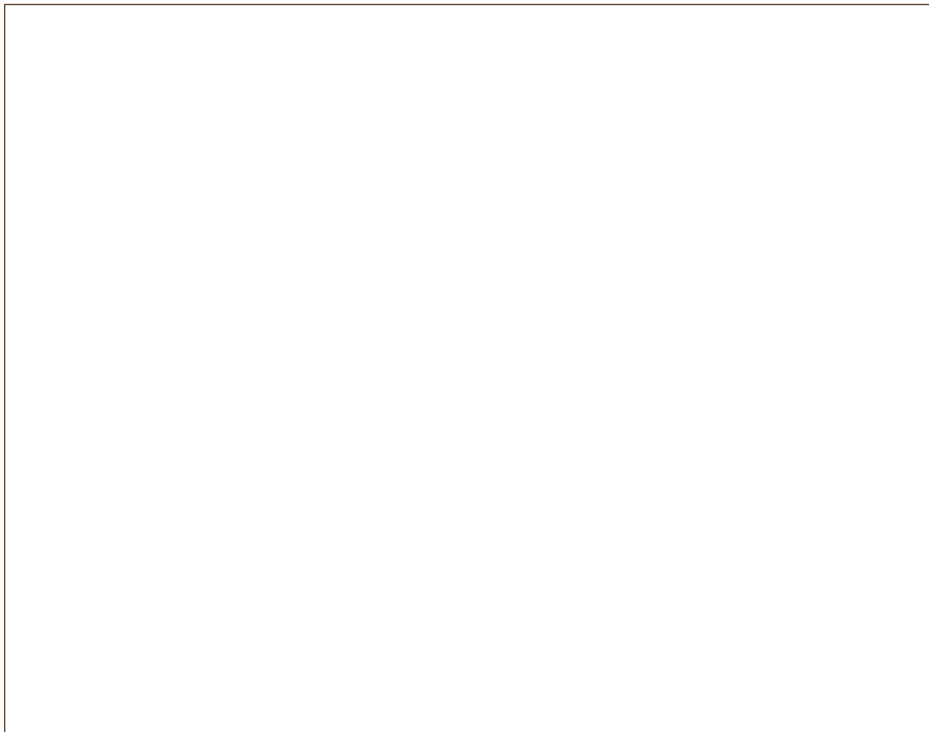
Your Mission, Should You Choose to Accept it: GROW BEYOND

Explorers, as you travel through the Garden, you might notice that plants can grow in just about any environment on Earth. But did you know that we're working with NASA to grow plants in space? Let's explore how plants grow, and how we can use science to grow beyond!

READY EXPLORERS, LET'S GO!

1. Use your map and explorer skills to locate the raised beds by the Vine Pergola.

- A very popular reason to have a garden is to grow fresh food! Can you spot any food plants you recognize? When astronauts travel to space, they have limited fresh foods, so being able to grow plants in space is important! Draw yourself growing your favorite edible plant in outer space.



2. Plants need light, nutrients, water, and space. Let's explore how we can give plants those things on a space station. Find the Innovation Studio on your map.

- Peek through the glass windows. This is where engineers design the lights, pots, and ways to water and feed the plants in space!
- How do plants get water here on earth? _____
- Use this QR code to see how astronauts water plants in space!



3. Let's explore more science in action. Find the Hsiao Science Village on the map. Once you're by the labs, find the purple glowing lights. This is a growth chamber like one that is on the International Space Station!

- Scan QR code to learn about Growing beyond earth and the purple



- Does it look like there is more or less space in this box than in the raised beds at the vegetable garden you saw at the start of this mission?

- There is very little space to grow plants on the space station, so they have to pick carefully! Use the space below to design the garden you would grow in the box if you were an astronaut or researcher.

BOX to Draw

4. All Great explorers record their adventures

- What was the most interesting thing you saw today?

- What is one thing you learned today?

- What do you want to explore on your next visit?



Buildings, Exhibits and Collections

- 1

Jean Ellen Shehan Visitor Center, The Shop & American Orchid Society Library
- 2

Geiger Family Tropical Flower Garden
- 3

Adam R. Rose & Peter R. McQuillan Arts Center
- 4

Richard E. Danielson Vine Pergola
- 5

Sibley Victoria amazonica Pool
- 6

Tropical Flowering Tree Arboretum
- 7

Lin Lougheed Spiny Forest of Madagascar
- 8

The Gatehouse
- 9

Allée & Overlook Vista
- 10

Corbin Education Building
- 11

Lisa D. Anness South Florida Butterfly Garde
- 12

Learning Garden
- 13

Nell Montgomery Garden House
- 14

Garden House Lawn
- 15

Liberty Hyde Bailey Palm Glade
- 16

Rainforest Rock Garden
- 17

Cycad Circle
- 18

Moos Sunken Garden
- 19

Col. Robert Montgomery Palmetum
- 20

The Bruce and Martha Clinton Children’s Education Building
- 21

The Martha O. Clinton Children’s Garden
- 22

Angie and Bill Whitman Tropical Fruit Pavilion
- 23

Tropical Plant Conservatory & Rare Plant House
- 24

Wings of the Tropics Butterfly Exhibit at The Clinton Family Conservatory
- 25

Glasshouse Café
- 26

Paul and Swanee DiMare Science Village
- 27

Dr. Jane Hsiao Laboratories: Microscopy Lab, Dr. Raymond Baddour DNA Lab; The Million Orchid Project Lab; Vollmer Metamorphosis Lab
- 28

Joyce and M. Anthony Burns Science Building
- 29

Richard H. Simons Rainforest, Cloud Forest & National Orchid Garden
- 30

NASA Innovation Studio
- 31

Garden Club of America Amphitheater & Lougheed Palm Grove