



GUIDED SCHOOL TOUR OFFERINGS

Selby Gardens' Guided School Tours consist of a docent-led general Gardens tour along with one of the following hands-on field study options. We offer these specialized programs to aid teachers' curricular goals, and are happy to tailor any of the programs in support of unique student needs and interests, and for different grade levels than those listed. Self-guided tours do not include a formal program. **Please note: Scheduling of guided tours is dependent upon volunteer docent availability - please book at least two weeks in advance.**

All guided tours are \$10 per student, unless otherwise indicated. Self-guided tours are \$7 per student.

FOCUS TOPIC	DESCRIPTION	GRADE
Butterfly & Caterpillar Exploration	Inspired by Eric Carle's story of the <i>Very Hungry Caterpillar</i> , children are led in the "dance of the butterfly" on the grassy mansion lawn adjacent to the butterfly garden. Using a kaleidoscope lens to simulate butterflies' vision, students investigate caterpillar and butterfly host plants. Learning that caterpillars eat and butterflies drink from certain plants demonstrates the balance required both when designing a butterfly garden and supporting butterfly life cycles.	K-3rd
Look at Those Leaves!	In this interactive hands-on study, students will observe both the intricacy and diversity of leaves found amidst Selby's unique plant community. Using specialized flat crayons to create leaf rubbings, students will discover the unique vein structure and texture of different plants. Hand lenses are used to magnify exterior features of the leaves. Inquiry-driven discussions throughout the lab include: the function of leaf veins, simple vs. compound leaf structure, vascular vs. nonvascular plants, the purpose of varying leaf shapes, i.e. the bo tree's drip tip.	K-3rd
Fantastic Florida: Native Plant Discovery	Florida is home to unique and intricate ecosystems, including the mangrove forests and estuaries which line much of our coastlines. In this field study, students will identify plants such as mangroves, sea grapes, sea grasses and other Florida natives living along our coast and learn benefits of estuaries and adjoining mangrove forests. A mangrove leaf sorting activity will help students identify the three types of mangroves native to Florida. <i>Suggested add-on program: Save Our Seabirds (see below for more detail)</i>	3rd-5th
Bromeliad Surprise!	Using simple tools, students will work in pairs extracting water and microbes from bromeliad tanks. As students transfer the water into a transparent collection cup, they reveal a world of biodiversity living within the bromeliad. Using both Magiscopes and hand lenses to magnify the microbes 20x-40x, young scientists will discover a number of micro-organisms that make their home within the tanks of bromeliads. Saving a bromeliad today may save a frog tomorrow!	2nd - 12th

Perfectly Positioned Petals: Flower Dissection	<p>Students will explore the inner workings of a flower with our Plant Parts Flower Dissection. In this engaging hands-on lab, students will participate in a flower dissection demonstration to discover its anatomy and learn how each part functions and contributes to its reproduction. Through hands-on discovery, students will gain a greater understanding of the process and importance of pollination as well as the basics of floral anatomy</p>	<p>4th-8th</p>
Break it Down: Selby Soil Analysis	<p>By examining two distinct types of soil, students will determine what comprises soil as well as the plants that grow in different soil types. Guides will demonstrate coastal soil vs. soil found further inland. Students sort and compare soil samples and record their findings. Sample soil components include both organic matter (leaf and plant debris, animal waste, insect remains, and humus) and inorganic materials (rock, sand, and silt).</p>	<p>6th-8th</p>
<i>NEW!</i> Where Land Meets Sea: Mangrove and Estuary Exploration	<p>Created especially for 7th Grade Life Science students, to extend their field trip on the Carefree Learner. This field study specifically focusing on estuaries and mangroves will broaden students' understanding of the coastal wetlands of Southwest Florida and our individual and societal interconnectedness with these precious ecosystems. Students will discover the unique traits that allow mangroves to survive and thrive in a wetlands environment, and explore how the maze of the mangrove root system contributes not only to coastal wetlands and estuary ecosystems, but to nearby ecosystems as well. Leaf sorting and bark rubbing activities will help students identify the three types of mangroves native to Florida. The tour concludes at our new dock on Hudson Bayou, where students will board the Carefree Learner. <i>Funding available! Please see http://www.cfsarasota.org/Nonprofits/Apply-for-a-Grant/EdExplore-Grants</i> For student groups who are not booked on the Carefree Learner, please see our similar "Fantastic Florida" exploration.</p>	<p>7th Grade</p>
Numbers in Nature	<p>Fibonacci numbers and the expression of math in nature take center stage in this unique field study which encourages students to investigate patterns within petals and leaves through completion of a garden-inspired scavenger hunt.</p>	<p>4th - 12th</p>
The Orchid Show: Earth, Air, Fire, Water	<p>Stories of orchid discovery past and present will be featured in Selby Gardens' Museum of Botany & the Arts. The exhibition will examine the various environments in which orchids grow and the routes by which botanists travel while braving the elements, to study and preserve orchids in their natural habitats. The galleries will showcase rare botanical books and prints from Selby's Research Library, along with specimens from the preserved collections, and other research materials. The exhibition will highlight the "All-Stars" of botany who contributed to the orchid mania of the 1700s - 1800s, and will illustrate the work of Selby's own botanists (September 21-December 31, 2017). For a limited time, a display in the Tropical Conservatory will immerse visitors in the elements of a lush rainforest, complete with "elemental" features such as lava rock and a waterfall. Colorful orchids will fill the conservatory, from floor to ceiling, reflecting the remarkable ability of different species to grow in the soil, on stone, and in the air. (October 12-November 26).</p>	<p>K-12</p>
Tropical Rainforest Masks	<p>Don't miss bringing your class to see our gallery of hand-carved and painted Rainforest masks on display in Selby's Museum of Botany & the Arts. These original works depict the vibrant and authentic Borucan culture of the central Costa Rican rainforest and provide a breathtaking glimpse into the flora and fauna of the rainforest. After viewing and sketching uniquely inspiring elements of these masks, students will have the opportunity to create their own rainforest masks, drawing inspiration from either the tropical rainforest or from our natural environment here in Southwest Florida. (January 7-28, 2018) <i>Suggested add-on program: Project Rainforest (see below for more detail)</i></p>	<p>K-12</p>

Warhol: Flowers in the Factory	“Flowers in the Factory” will turn Selby Gardens into a floral playground and feature original artwork by the artist Andy Warhol. Six Warhol silkscreens of flower will be on view in the Museum of Botany & the Arts. Colorful, playful living displays throughout the grounds and in the Tropical Conservatory will emphasize the repetition, modular designs and juxtaposition of Warhol’s work. This special guided tour will give students the opportunity to create their own Warhol-inspired pop-art masterpiece. (Feb 12-May 31, 2018)	K-12
Embracing Our Differences : “Make A Day of It”	This special tour is a self-guided school group offering designed to complement your students’ visit to the Embracing Our Differences exhibit held at Sarasota’s Island Park each spring. Take advantage of Selby’s proximity to the Bayfront with a short stroll along the shore and extend your field trip to include a chaperone-guided plant hunt exploring biological uniqueness in the greater realm of ecological biodiversity as your students investigate Selby’s world-class collection of tropical plants. (April-May) For Title One schools, admission to the Gardens in conjunction with a visit to <i>Embracing Our Differences</i> is provided free of charge by the Patricia Rederer Memorial Fund.	K-8

ADD-ON PRESENTATIONS

We offer these specialized programs to complement both guided and self-guided visits to Selby Gardens. An additional fee of \$200.00 applies to add-on programs. Please note: Scheduling of add-on presentations is dependent upon artist/ presenter availability.

Project Rainforest	Visit a rainforest through conservationist Bruce Segal’s engaging personal accounts and lively presentation combining audience participation and prop demonstrations. (45 minutes).	K-12
Save Our Seabirds	Provide your students with an up-close bird encounter through the expertise of Save Our Seabirds, a non-profit local wildlife conservation and education organization. Rainforest birds, such as macaws and cockatoos, or Floridian seabirds and birds of prey are available. (45 minutes)	K-12