A playful new Rainforest Hut will help children explore the cocoa-growing regions of the world.

Revitalization Campaign Launched for The Children’s Garden

2023 Will Mark the 20th Anniversary of the Popular Garden

Since The Children’s Garden opened in 2003, thousands of kids - and kids at heart - have eagerly walked through its cozy Caterpillar Tunnel, danced on its chimes and been enchanted by its famous “Misting Kisses.”

But, almost 20 years later, this charming garden is in need of repair.

“It’s been loved by a lot of guests, but it needs some revitalization,” said Amy Zeigler, senior director. “Many of the original structures are in need of repair or replacement, such as the Treehouse,” said Zeigler.

“This popular wooden structure has been damaged by bees, as well as adverse environmental conditions.”

“This entire project will significantly reduce the amount of maintenance required by gardening staff and outside contractors,” said Zeigler. “We are selecting materials based on their longevity, as well as their appearance.”

Other areas in need of attention are multiple stone walls, bridges, pergolas and amphitheater seating. “In addition to hard- scapes and structures, we’re also redesigning the landscaping to replace some struggling specimens and bring new vitality to the garden,” said Zeigler.

“In the spring and fall, we frequently host school groups on field trips,” said Zeigler. “From preschoolers to middle- schoolers and home-schoolers, they love our hands-on programs.”

A capital campaign was kicked off last month, with a goal of raising $750,000 to facilitate the necessary repairs throughout the 1.5-acre garden. “We had tremendous support in creating the original Children’s Garden in 2003,” said Zeigler. “We’re hopeful that we can recreate that excitement with this campaign.”

“Mr. Hershey created an entire community, including a garden, for his community to enjoy,” said Zeigler. “We were thrilled to build on his legacy by building The Children’s Garden almost 20 years ago. Now, we are asking for support to revitalize this garden to help children explore the many wonders of nature.”

Please support The Children’s Garden Revitalization Campaign

How to Give:

Click here to give online via credit card.

Print and mail the Pledge Form.

Call Denise Frantz, Membership and Contribution Specialist, at 717.520.5581.
The Butterfly and the Vine: A Story of Co-Evolution

The genus *Heliconius* is comprised of species of butterflies commonly known as ‘longwings.’ These beauties are native to Central and South America, as well as southern North America. “They are one of the most visible butterflies in our Butterfly Atrium,” said Jody Davey, manager of conservatory habitats. “Our USDA butterfly permit allows us to have about 20 different longwing species. They are easy to spot, thanks to their varied colors and patterns, elongated wings, and fluttery style of flight.”

“Unlike most of our other butterfly species, which tend to live only two to three weeks, the lifespan of a longwing butterfly can stretch into months,” said Davey. “This became evident to us during our three-month closure in 2020, due to COVID-19. We paused new orders of butterflies during that time, but continued to care for those that remained in the Atrium. As time went on, the population naturally dwindled, but there was one type of butterfly that outlasted the rest – the *Heliconius*. By the end of the three-month period, there were still several *Heliconius* flying around to welcome back guests.”

“*Heliconius* butterflies have simply evolved to live longer than their counterparts in the butterfly world,” said Davey. “Not only are their lifespans longer, but the females have the ability to produce new eggs throughout their adult lives. Other butterflies, by contrast, emerge from their chrysalides complete with all the eggs they will ever produce. One secret to these special abilities that set the *Heliconius* apart from the rest lies in the pollen they seek out.”

Most types of butterflies seek glucose as a food source. “They need quick energy to power their flight as they find mates and lay eggs,” said Davey. “With their relatively short lifespans, they have a limited amount of time in which to procreate, and that is their main evolutionary purpose. Sugar-laden nectar is their perfect fuel.”

“*Heliconius* butterflies, with their longer lives and ability to produce new eggs, benefit from a protein source in pollen, in addition to the glucose in nectar,” said Davey. “Protein is a building block for egg production, as well as longevity.”

“While *Heliconius* will collect pollen from any flower, there is a particular vine that they have co-evolved with in nature and find especially attractive,” said Davey. “Commonly known as the rainforest cucumber, *Psiguria umbrosa* is a vining plant native to the tropical regions of the Americas. It belongs to the family *Cucurbitaceae* (cucumbers, melons and squashes) and produces both male and female flowers that are a vivid orange color. Longwing butterflies seek out the male flowers for their pollen, and will visit the same plants day after day. They collect the pollen and carry it on their rolled proboscis. When there is sufficient pollen collected, a longwing will regurgitate protein-digesting saliva onto the pollen, making a liquid amino acid slurry, which it then consumes.”

“Starting in 2020 we began providing our longwings in the Atrium with *Psiguria* vine,” Davey said. “Cuttings sourced from the Cockrell Butterfly Center in Houston, Texas were rooted at Hershey Gardens and transplanted in the Atrium on two trellises. Both have grown well and one is actively flowering, attracting many longwings that can be seen fluttering around and consistently ‘nectaring’ on the bright orange flowers throughout the day. They have a clear preference for the flowers of this vine and their special relationship with it is obvious.”
What is your role at Hershey Gardens?
I lead all the educational and public programming initiatives for the Gardens, and I also lead the education staff and school volunteers, along with assisting with daily operations.

Tell us a little bit about yourself!
I’m a Pennsylvania native, with roots in Lancaster. I am the proud mom to a beautiful daughter named Charlotte, who is 10 months old, and I have two cats, Horace, (named after the jazz musician Horace Silver) and Sabrina. I enjoy traveling to Europe and visiting metropolitan areas, historic sites and art museums, and public gardens. I also enjoy gardening, especially growing native plants and heirloom varieties of perennials, mostly irises, and vegetables.

What is your background?
Although my undergraduate degree and graduate work are in fine arts and art education, I have worked in educational programming for non-profit organizations for several years. I oversaw education programs at the Schwenkfelder Library & Heritage Center in Montgomery County, PA, and was one of two educators at the Historic Ephrata Cloister. I also managed public and outreach programs at the Ephrata Public Library before joining the team at Hershey Gardens.

How did you get involved in educational programming?
I enjoyed getting involved in educational programming during my internships at museums. It was there that I began to realize the role educators play in helping to make personal connections to collections and culture and, on a broader scale, creating positive change within the community.

What are your goals for educational and public programming at Hershey Gardens?
There’s a great foundation of school and public programs here that I’m privileged to build upon. My goals are to further develop educational interpretation for our newer garden areas, specifically our new Children’s Garden revitalization, design a foundation for virtual programming, and increase community collaborations.

What do you find most enjoyable in your position here at Hershey Gardens?
I love creating programs in which children can experience nature in both ordinary and new ways.

We hear you spend your time doing various crafts?
I enjoy quilting and making small projects for my daughter and other family members. I’ve also dabbled in crewel work, book-binding and German baking. Springerle cookies are my favorite to make during the holidays!

You’re a frequent visitor to Germany? Most memorable experience?
There are far too many joyous moments! One of the most aesthetic experiences I’ve had was the early morning that I walked the streets in Berlin alone in the historic Lustgarten; the first time I breathed in the crystal-clear air in the Bavarian Alps is a close second.

Favorite part of the Gardens?
I really like the Hoop House Garden/Many Hands Children’s Garden area. It’s neat to see children learn more about where their food supply comes from and how they can play a part in that by growing their own fruits and vegetables.

We hear you’re a collector of antique cameras?
Yes! I have a vast collection of professional and amateur cameras that date from the 1920s all the way up to the 1990s. One of my oldest cameras is a 1931 Rolleiflex, which still works. I’m also partial to my grandfather’s Argus, which he took with him during the Korean War, and my late father’s Canon AE1.

One of Rebecca’s favorite areas in the Gardens is the Hoop House, where children can learn how to grow their own food.
Ever considered having an organic garden at home, but you’re limited on outdoor space? See an example of an indoor hydroponic garden, which is currently on display in the Educational & Horticultural Wing of the Conservatory.

The “Hydroponic Victory Garden” was created by Girl Scout Gold Award candidate, Katherine Copper. Katherine researched, constructed and planted the garden to demonstrate an alternative method of traditional growing. Hydroponics help eliminate weeds and the need for pesticides, while also producing fresh food.

Katherine Copper stands next to her hydroponics station inside the Conservatory. The display contains nutrient-filled water that is pumped to the top of the system, which then flows past the roots of the plants.

What is Hydroponics?
Growing Plants with Nutrient-Filled Water Instead of Soil

Hydroponics has been used for more than a thousand years by the Aztecs, ancient people of China, Egyptians, the gardens of Babylon, and in the Pacific Islands during World War II.

Sustainable Gardening at Home
You can do it, too! Hydroponics is commonly used by farmers, hobbyists, and everyday people. This process allows food to grow in areas where it is difficult to grow plants in soil. It’s a great way to grow your own fresh food!

Thank You, Volunteers!

Twenty teens between the ages of 12 and 16 volunteered this summer at Hershey Gardens. In total, they worked 837 hours during the 10-week summer program.

“We very much appreciate all their work,” said Vera Kolstrom, administrator. “They participated in valuable gardening tasks and helped educate our guests, as well as doing daily gardening work. This motivated group also established a worm composting program, a hummingbird trail, a ‘Rosebud Tour’ for young guests and a ‘Rose Name Bingo’ game for families.”

“They were always ready to help wherever needed, be it deadheading, weeding or working with the education department,” said Kolstrom. “They had fun, worked hard - and learned a bit along the way!”

Once a teen completes the summer program, they are invited to join us in other various activities throughout the year, like Bug-O-Rama, Pumpkin Glow, Christmas Crafts and Earth Day activities.
Sometimes recommendations to gardeners to be more environmentally friendly are rather daunting: turn your lawn into a meadow, trade your gas mower for a hand push mower, use only organic fertilizers and pesticides. These are admirable goals, but it may be more doable to start small. Here are five simple steps to do your part for the environment, and you may even find them easier—or less expensive—than your current gardening practices.

1. Put Off Fall Cleanup until Spring
   Perennials and annuals do not have to be razed to the ground with the first frost. Leaving them standing provides seed heads to feed birds. The spent plants can also be a huge benefit to native bees, which may overwinter in the stems. The leaves that collect among the remains of the plants will provide winter cover for many butterflies and moths, some surviving in chrysalids and others as caterpillars. The brown stems and leaves of perennials and grasses are also quite beautiful against the backdrop of winter snow. Wait to clean up the garden until daytime temperatures are consistently warm, at least above 50°F during the day. If you rake leaves out of the beds too early in spring, you will leave the sheltering insects vulnerable to cold and predators.

2. Leaf Mulch Magic
   Even if you let fallen leaves collect in your garden beds, you will undoubtedly have piles to rake up. Instead of putting them on the curb for the leaf collection, consider rolling over them with a mulching mower, bag attached. Stockpile them until spring, and then use them as mulch in any part of the garden. As they decompose over the course of the growing season, they will add valuable nutrients and organic materials to the soil. Many Master Gardener demonstration gardens in Pennsylvania use only leaf mulch!

3. Let Grass Clippings Lie
   You may have heard this before, but it really is best to use a mulching mower and leave grass clippings on your lawn, instead of bagging them. Not only will you decrease the amount of waste you produce, the clippings add nutrients back to the lawn, especially nitrogen. You will also save time and effort by not having to empty a bag! Clippings should be about one inch in length. If grass is much longer by the time you mow it or you have a diagnosed turf disease, bagging is a better option.

4. Do Not Spray—Especially by Day
   Pesticides sprayed onto your garden in the daytime can kill beneficial pollinators, such as bees and butterflies, which are active by day. Also, spraying pesticide on a very hot or windy day puts the gardener at risk of inhaling fumes. If you feel that you must use a pesticide to solve a garden problem, use one recommended for the pest you are combating, spray on a still evening and follow label directions. Better yet, consider tolerating some damage to your plants by insects. The vast majority of insects are part of the healthy ecosystem in your landscape.

5. Choose a Native Perennial or Beneficial Annual
   Most gardeners revel in selecting new plants at the beginning of the gardening season or to fill in a gap. When reviewing choices at the local garden center, consider both beauty and benefit to garden wildlife. Native perennials such as coneflower (*Echinacea purpurea*), goldenrod (*Solidago*), butterfly weed (*Asclepias tuberosa*), blazing star (*Liatris spicata*) and brown-eyed Susan (*Rudbeckia*) to name just a few, are readily available. Though not all native, these old-fashioned annuals are also considered to be beneficial for foraging bees and butterflies: cosmos (*Cosmos*), lantana (*Lantana*), sunflower (*Helianthus*), verbena (*Verbena bonariensis*) and zinnia (*Zinnia*).
A New “Native Plant Garden” Added to Hershey Gardens

The Family of Marcus E. Sanford Continues to Honor Their Son

If you’re visiting Hershey Gardens this fall, you’ll see some exciting changes taking place toward the back of the Garden, all thanks to the continued generosity of the Sanford family.

“We recently removed the roses and pavers from the former High Point Garden,” said Alyssa Hagarman, horticulture specialist. “Unfortunately, the oak trees in this garden have grown so large, that their shade was preventing the roses from blooming. We were also having a hard time keeping the deer from eating them.”

The changes to this garden are the result of donations from Robert and Cathy Sanford, whose son Marcus worked for Hershey Gardens until 2017, when he died unexpectedly at age 39.

“The Sanford family first reached out to us in 2018, in hopes of exploring ways to memorialize Marcus,” said Bill Kieffer, operations manager. “Over the last few years, we have collaborated to make much-needed improvements and additions to the Gardens.”

“We started by finishing a project Marcus and I were working on, which was a solution to stormwater,” said Kieffer. “Next, we added a meditation circle near the Rock Garden. After that, we added a 20-foot wide labyrinth in the center of the Rock Garden.”

“We’ve been focused on the back of the Garden, because that was the area that Marcus cared for when he worked here,” said Kieffer.

“Even after all these projects, the Sanfords wanted to do more,” said Kieffer.

“I immediately thought of High Point Garden,” said Hagarman. “I created a drawing of what could be done in this garden to optimize its beautiful shade and quiet location. The Sanfords loved it - and we got to work.”

“I included a few new trees that we don’t currently have,” said Hagarman, “as well as several native plants to keep the area simple, but impactful.”

The Native Plant Garden is currently “under construction” but will be completed by early October.

“Ostrich ferns, asters and pachysandras will be the ground cover; shrubs such as ninebark and spice bush will also be featured,” said Hagarman. “In the fall, we will add two black gum trees and a scarlet oak.”

The pavers were removed to give the garden a less formal look. “I think this will help enhance the beauty and simplicity of the new Native Plant Garden,” said Hagarman.

Benefits of a Native Plant Garden

- Native plants do not require fertilizers and require fewer pesticides than lawns.
- Native plants require less water than lawns and help prevent erosion.
- The deep root systems of many native plants increase the soil’s capacity to store water. Native plants can significantly reduce water runoff and, consequently, flooding.
- Native plants help reduce air pollution.
- Native plantscapes do not require mowing. Excessive carbon from the burning of fossil fuels contributes to global warming. Native plants sequester, or remove, carbon from the air.
- Native plants provide shelter and food for wildlife.
- Native plants promote biodiversity and stewardship of our natural heritage.
- Native plants are beautiful and increase scenic values.

Source: USDA
Pumpkin Glow is back – and it just keeps getting better! Mark your calendars for October 23, 24, 30 and 31, then grab the whole family, and prepare for a day of Halloween fun!

“Pumpkin Glow began as a nighttime event,” said Amy Zeigler, senior director. “But last year, due to COVID-19 challenges, we featured it as a daytime event.”

“While we hoped guests would enjoy the new, re-imagined daytime event, we were surprised at the number of guests who shared positive feedback,” said Zeigler. “Guests loved the extra activities, additional hours and less crowds.”

“Moving Pumpkin Glow to an all-day event allowed us to welcome more guests – over the course of a full day, not just two hours at night,” said Zeigler. “As the nighttime Pumpkin Glow became more popular over the last several years, the lines got longer, and that resulted in frustrated guests and members. As hard as we tried to streamline, the Gardens simply wasn’t made to accommodate that many guests at one time.”

“Guests also told us that they enjoyed experiencing the entire Gardens during the day, as well as the Butterfly Atrium,” said Zeigler. “The nighttime event limited guests to just the walking path, and the Atrium had to be closed because it could only handle a small fraction of the guests.”

This year’s daytime event will bring back the popular Glow House, which will be filled with carved pumpkins and spooky decorations. “We will also have food trucks, kids’ performances, a scavenger hunt, treat bags filled with Hershey’s candy and, of course, more than 100 carved and painted pumpkins will fill the Gardens,” said Zeigler. “Plus, we’ll be hosting our favorite pumpkin carver, Danny Kissel, winner of Food Network’s ‘Outrageous Pumpkins 2020.’” Danny will be carving up a spectacular pumpkin on October 23 and 30.

Pumpkin Glow will take place, rain or shine, from 9 a.m. to 5 p.m. on October 23, 24, 30 and 31. Activities are included with admission, and are free for members. Kids are encouraged to come in costume. See more information and a full schedule of events here.

Event Sponsors:
Pumpkin Glow
October 23, 24, 30 and 31 from 9 a.m. - 5 p.m.
Everyone’s favorite event is back for more spooky family fun! Bring the whole family to enjoy more than 100 carved and painted pumpkins, entertainment, food trucks and puppet shows. See the full schedule here. Plus, get your glow on inside the “Glow House” where you can enjoy jack-o-lanterns and other glowing Halloween fun! Don’t miss Food Network’s celebrity pumpkin carver Danny Kissel, as he creates a pumpkin masterpiece on Saturday, October 23 and October 30. Kids are encouraged to dress in costume. The Butterfly Atrium will be open.

Mark Your Calendar!

All events are included in admission; free for members of Hershey Gardens.
Please check HersheyGardens.org for event updates and cancellations due to COVID-19.

Bug-O-Rama
Sunday, September 12 from 10 a.m. - 3 p.m.
Bring the whole family to see live exotic and native insects, including tarantulas, scorpions, millipedes and cockroaches! Expert bug enthusiast “Ryan the Bug Man” will be showcasing his multi-legged creatures and talking about their fascinating origin and behavior. Plus, new this year, meet Rick Mikula, “The Butterfly Guy,” who will be showing off his amazing collection of butterflies, and ZooAmerica, who will be bringing other fascinating insects.

Other activities include:
• The PA WoodMobile, a mobile exhibit about forestry and the invasive insects that roam our woods
• Beekeeping demonstration with local beekeeper Mark Bogrette
• Ice Cream and Waffle on a Stick from Sarah’s Creamery, available for purchase
• Puppet show in The Children’s Garden amphitheater at 11 a.m. and 2 p.m.
• Games and crafts for kids

Member Reception
Thursday, September 23 from 4:30 - 6:00 p.m.
Members, join us! Look for your invitation in the mail.

Bonsai Exhibit by the Susquehanna Bonsai Club
Friday, October 8 through Saturday, November 6 from 9 a.m. - 5 p.m. daily
Experience the living art of bonsai during this popular annual exhibit provided by the Susquehanna Bonsai Club. Exhibit is on display in the Hoop House, located in The Children’s Garden.

New!
Plant Sale & Live Demonstrations by the Susquehanna Bonsai Club
Saturday, October 9 from 9 a.m. - 5 p.m., under the tent at the Milton & Catherine Hershey Conservatory

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Sponsors:
Fulton Bank
HERSHEY
Free Lecture: Plants Rule! Harnessing the Sun for Carbon-Negative Climate Solutions
Tuesday, October 26 from 7 p.m. - 8 p.m.
In the Milton & Catherine Hershey Conservatory at Hershey Gardens

Biological processes are important in reaching a carbon-negative future that reduces greenhouse gases in our atmosphere. Dr. Tom Richard of Penn State University will help us understand the amazing ability of living plants in agriculture and forest ecosystems to remove carbon from the atmosphere.

He will also discuss new approaches to using that plant carbon for energy, manufacturing and reversing climate change. Join us to learn how Pennsylvania’s assets and new opportunities can contribute to our future sustainability.

To register, please contact the Manada Conservancy at 717-566-4122 or email office@manada.org.

The Christmas Tree Showcase
Saturday, November 20 through Sunday, January 2 from 9 a.m. - 5 p.m. (Closed Thanksgiving and Christmas Day)

Experience all things merry and bright at the festive showcase of holiday trees in the Milton & Catherine Hershey Conservatory. Each tree will be exquisitely decorated by a different local florist and will feature a variety of tree decorating styles and themes, while a stunning 14-foot poinsettia tree takes center stage. Plus, enjoy live music with harpist Sylvia Sweigart on Sunday, December 5 and Saturday, December 11 from 11 a.m. to 12 p.m. The Welcome Pavilion and Butterfly Atrium will be decorated for the holidays, too! Plus, visit the Garden Cottage for a “Christmas in the Tropics” themed display of holiday trees, decorated with ornaments by local school students.

Ho, Ho, Ho!
Santa Claus Is Coming to Town! (And Mrs. Claus too!)
Saturday, December 4 and December 11 from 11 a.m. to 1 p.m.
Come see jolly ‘ol St. Nick and his wife in the Milton & Catherine Hershey Conservatory.

Crafty Christmas Creations
November 20, 21, 27, 28, December 4, 5, 11, 12, 18, 19, 26, January 1, 2 from 10 a.m. - 2 p.m.
Bring the kids to The Children’s Garden Education Center for some fun holiday crafts, inspired by nature!

Save the Date!
Annual Orchid Show and Sale by Susquehanna Orchid Society
Friday, February 4 through Sunday, February 6, 2022 from 9 a.m. - 5 p.m.
Member Only Preview: Thursday, February 3, 2022 from 2 p.m. – 5 p.m.

The Susquehanna Orchid Society presents its 37th Annual Orchid Show and Sale in the Milton & Catherine Hershey Conservatory at Hershey Gardens. Experience more than 1,000 orchids representing dozens of varieties, including rare species and unique hybrids. Daily orchid show tours and informational sessions will also take place. Several orchid societies will have showy displays that will be judged onsite and presented with awards.

Winter Wreath Workshop
Saturday, December 4 at 11 a.m. and 1 p.m.
Celebrate winter by creating a festive wreath, perfect for the holidays! Using fresh limbs, twigs and pods pruned from the Gardens, class participants will learn how to create a stunning, long-lasting, 24” wreath for their door or table. All supplies and materials are provided. Advance registration is required at HersheyGardens.org, starting November 1. Led by Jody Davey, Hershey Gardens Horticulturist.

Members: $55; Non-members: $65

Join Us for One – or Both!
$8 per student, $9 per adult

Online pre-registration is required here. Registration closes 48 hours prior to class. Admission to the Butterfly Atrium is included in admission. Program will be held rain or shine.

The Biodiversity of Insects & Native Plants
Tuesday, September 21 from 9:30 a.m. - 12:30 p.m.

Students will learn about the importance of native plants and how to identify them, then discover several varieties in our new Native Plant Garden! They will also learn about the insects that call native plants home and how certain insects affect local bird populations. Additionally, join a team from the Lancaster Conservancy and go on an “insect safari” in our native meadow.

The (under)Story of Trees and Soil
Tuesday, October 12 from 9:30 a.m. - 12:30 p.m.

Discover soil, worms and other creatures that live in the soil, as well as the beauty of the “understory” that lives beneath trees and shrubs. Plus, visit the Bonsai exhibit and meet members of the Susquehanna Bonsai Club, who will explain the art and care of their trees.

Homeschool Days

Join Us for One – or Both!
$8 per student, $9 per adult

Online pre-registration is required here. Registration closes 48 hours prior to class. Admission to the Butterfly Atrium is included in admission. Program will be held rain or shine.