



LONGWOOD
GARDENS

Lori Trexler, Coordinator of School and Youth Programs

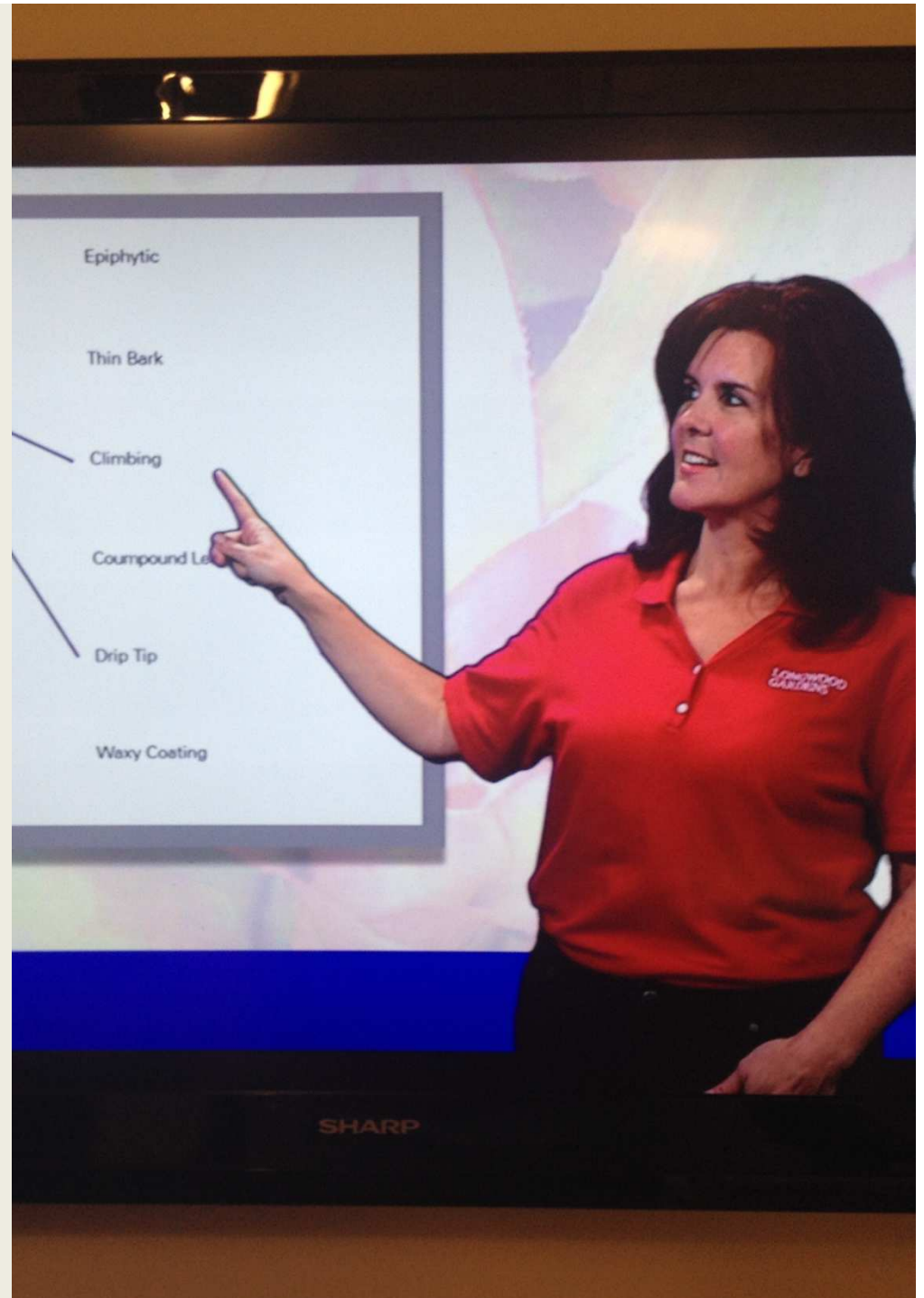
Virtual Field Trips Using Interactive Videoconferencing

<https://fieldtripzoom.zoom.us/my/longwoodgardens>



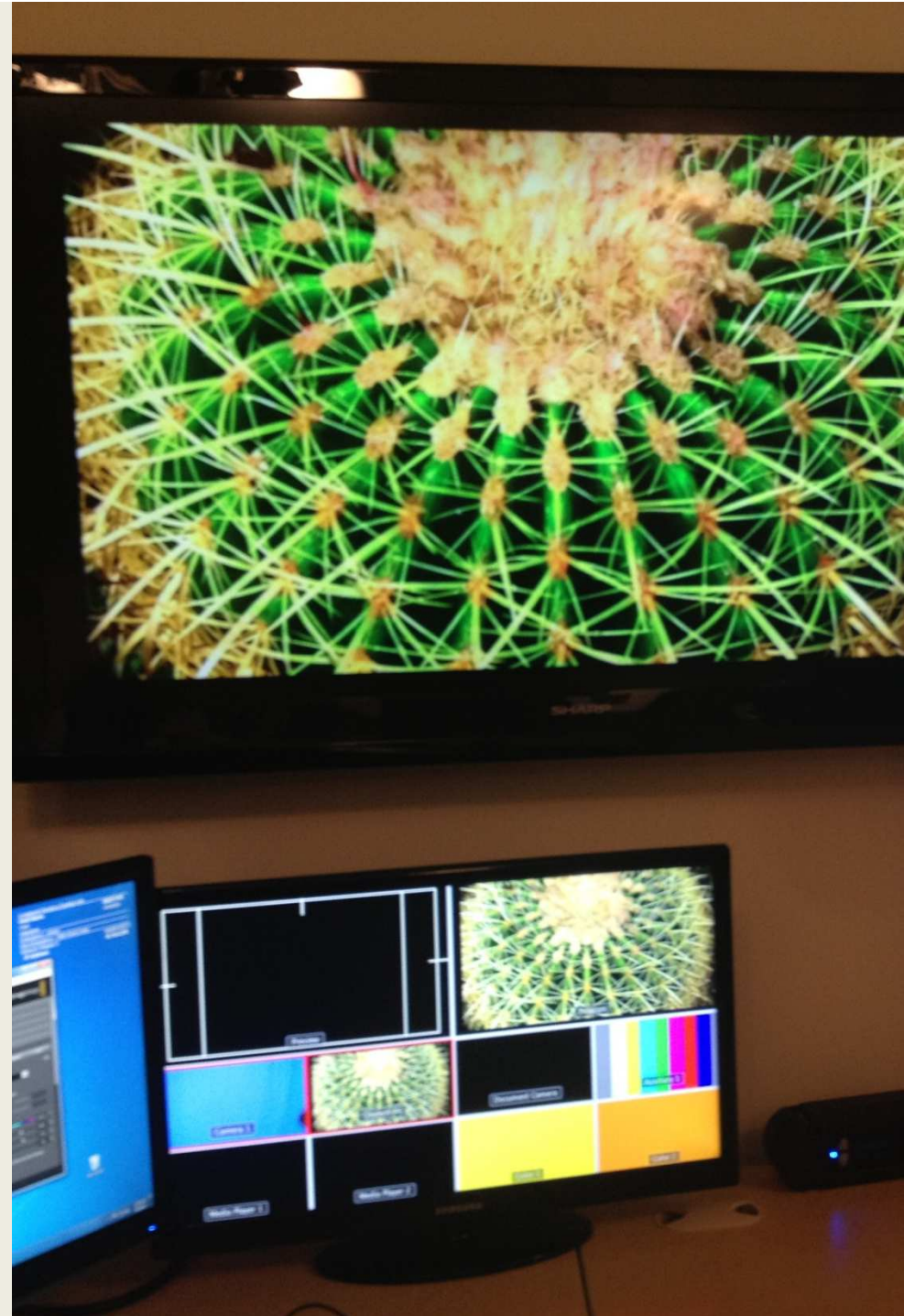
Interactive Videoconferencing

- Real-time learning environment that connects students around the world to Longwood Gardens
- Programs incorporate student participation and encourage interaction



Interactive Videoconferencing: Audience

- K-12 Students
- Libraries
- Teachers
- Retirement Communities



Interactive Videoconferencing: Benefits

- Exposes students to institutions they may not be able to visit
- Connects students to the experts
- Reduces the cost and time associated with school trips by eliminating travel



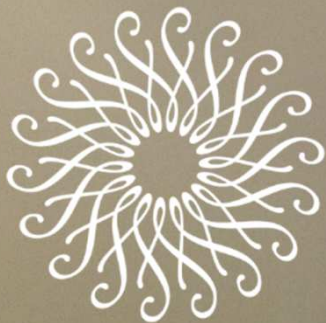


Interactive Videoconferencing: Technology

- Technology at Longwood Gardens
 - Videoconferencing Equipment (H.323)
 - Camera
 - Studio Lights
 - Chroma Key Technology
 - Document Camera
 - Computers
 - Television Screens
- Technology at the School
 - Videoconferencing Equipment (H.323)

OR

 - Internet Connection
 - Webcam
 - Microphone
 - Speakers



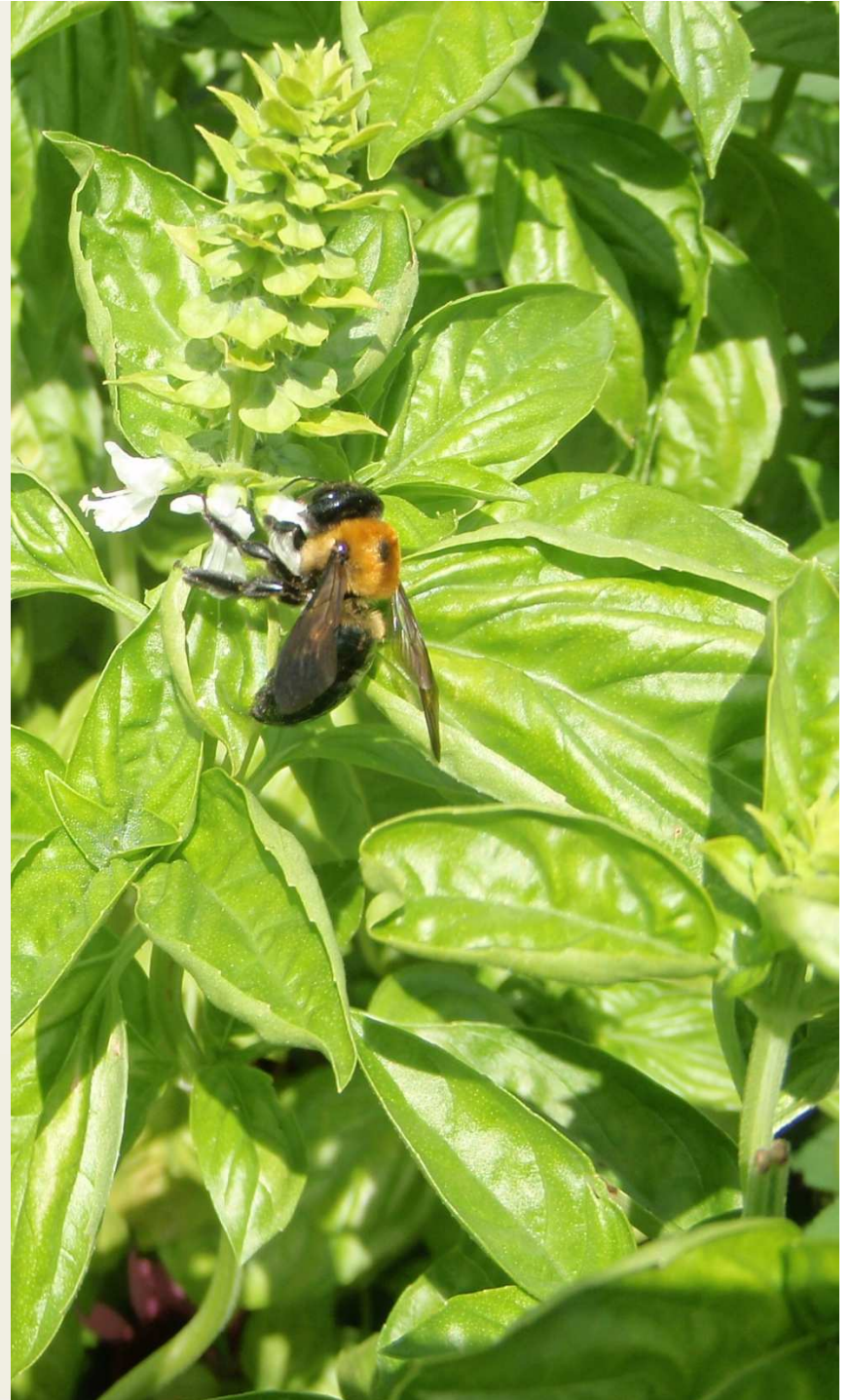


very little detail
the background is
completely clear



Programs Available at Longwood Gardens

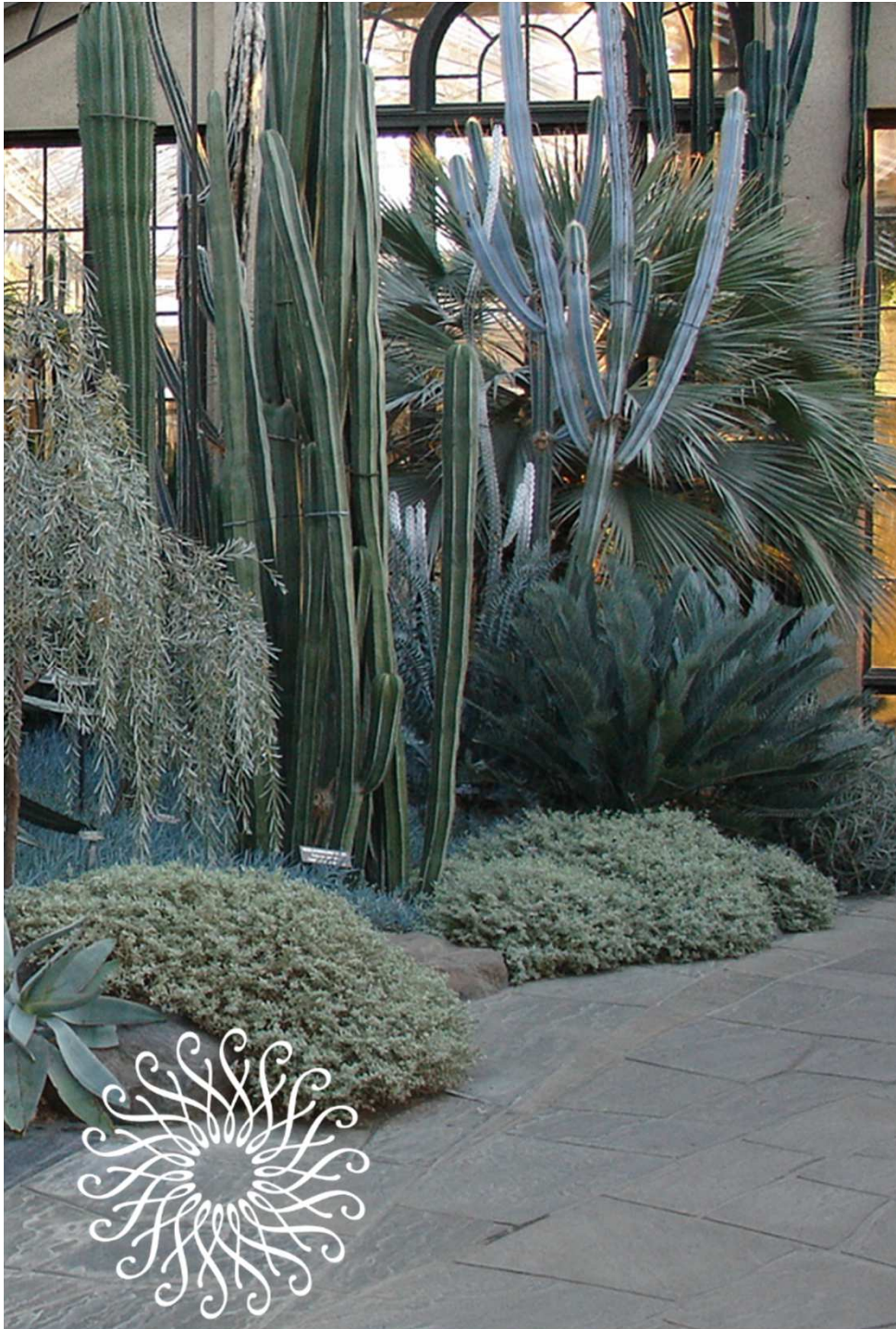
- Desert Plant Adaptations (Grades 1 – 12)
- Tropical Plant Adaptations (Grades 1 – 12)
- A Plant's Life (Grades 1 – 4)
- Tremendous Trees (Grades 1 – 6)
- Operation Pollination (Grades 1 – 6)
- Arbor Day: Celebrating Our Trees (Grades K – 12)
- Free Demo for Teachers



Desert Plant Adaptations

Grades 3 – 4





Desert Plant Adaptations: Program Structure

- Welcome to Longwood Gardens and the program
- Define adaptation and discuss why it is necessary for plants to adapt
- Explore the deserts of Southwestern United States
- Travel through Longwood's Silver Garden located in our 4-acre Conservatory
- Get an up-close look at unique desert plants
- Review key concepts learned throughout the lesson and design a desert plant
- Close with question and answer session

Desert Plant Adaptations: Program Materials

- Teacher Guide
 - Background information
 - Pre-Activities
 - Post-Activities
 - Student worksheets
- 30 Student Handouts
- 30 Sets of True and False Cards
- 10 Plant Photo Cards
- Book: *Cactus Hotel* by Brenda Z. Guiberson



LONGWOOD
GARDENS

*School & Youth
Programs*

Desert Plant Adaptations



Name _____

Date _____



Kim
Jeff
Donnie
Mrs. Hahn
Mr. Olbera
Mrs. Hoe
Mr. D
Ron

Mrs. K

*Mrs. Shadis
*Mrs. Kucera
*Ms. Mueller (C)
*Mrs. Mueller (S)
*Ms. Garberg
*Mrs. Gapp

Service

Marketing and Registration

- Marketing
 - longwoodgardens.org
 - CILC.org
 - FieldTripZoom.com
- Registration
 - Programs are scheduled by request
 - Date and time selected by the teacher
 - 35 students per program



LONGWOOD GARDENS

Tickets Membership

SEARCH



Visit Gardens Events & Performances Education Shop Dine

HOME / EDUCATION / K-8 PROGRAMS / INTERACTIVE VIDEO CONFERENCING

K-8 Programs

Onsite Lessons & Activities

Interactive Video Conferencing

Home School Days

Summer Camps

Children's Christmas Trees

Teacher Professional Development

Contact & Registration

Interactive Video Conferencing



Enhance your curriculum through live, interactive video conferencing with Longwood experts. Our trained Educators deliver lessons directly into your classroom, during which they engage your students in discussion and problem-solving activities.

Registration and Prices

Programs offered Monday-Friday at a time selected by the school from September through June. Programs last approximately 45 minutes. Cost for programs is \$150 for up to 35 students. Schools should have a reliable internet connection or video conferencing equipment (\$1,323) to connect. Call 610.388.5400 for questions about registration and pricing.

Onsite Curriculum Programs



Longwood-led Curriculum Programs



Self-directed Curriculum Activities



A Plant's Life

For grades 1-4. Tour behind-the-scenes at Longwood and explore the life cycle of a plant from seed to flower.



Operation Pollination

For grades 1-6. Discover why and how flowering plants have developed with their pollinator partners.



Transcendent Trees

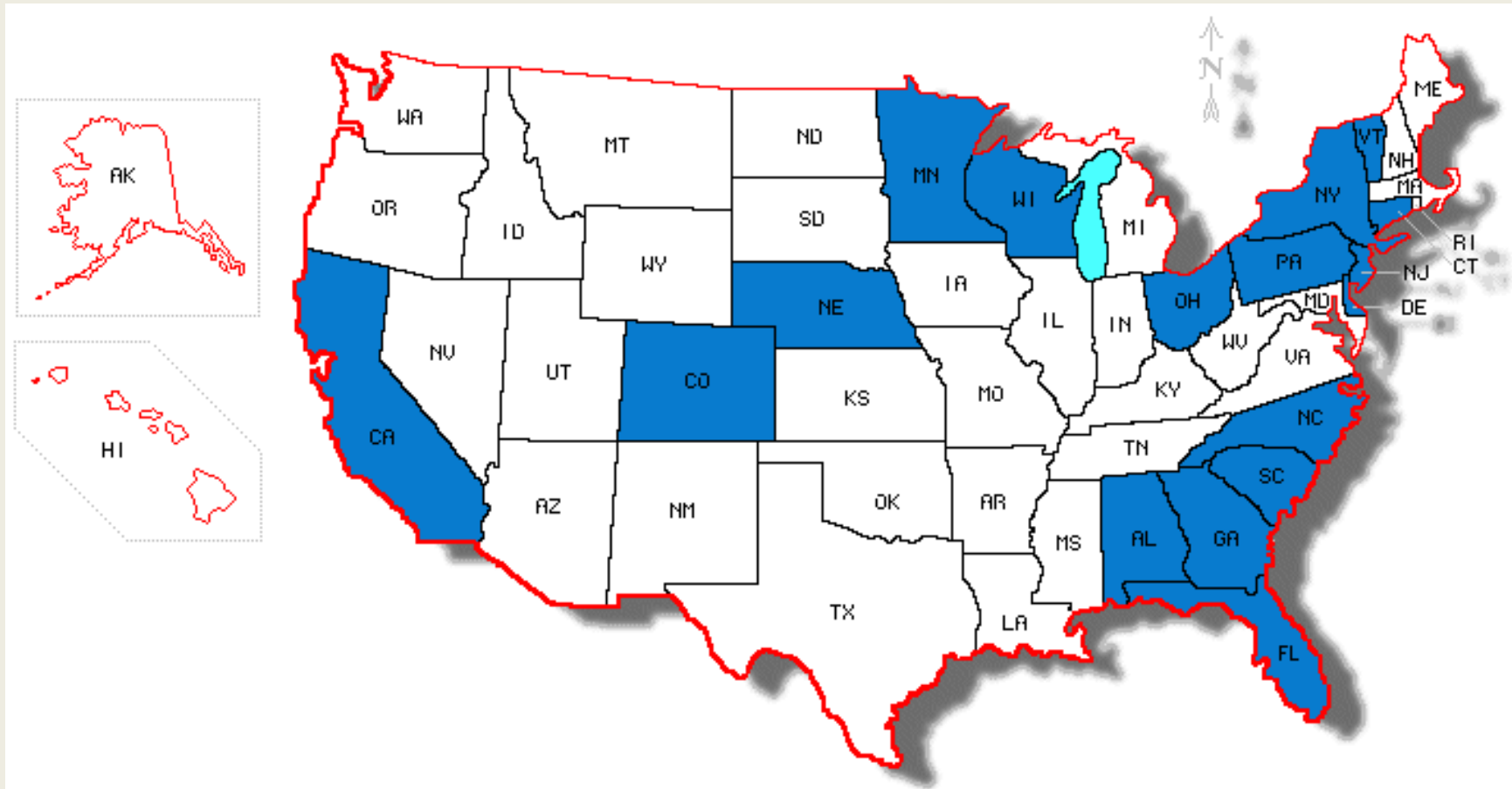
For grades 1-6. Travel through Longwood's historic property and meet our Champion Trees.



Desert Plant Adaptations

For grades 1-12. Travel through Longwood's Conservatory and get an up-close look at our desert plants.

Impact of Virtual Field Trips



Impact of Virtual Field Trips

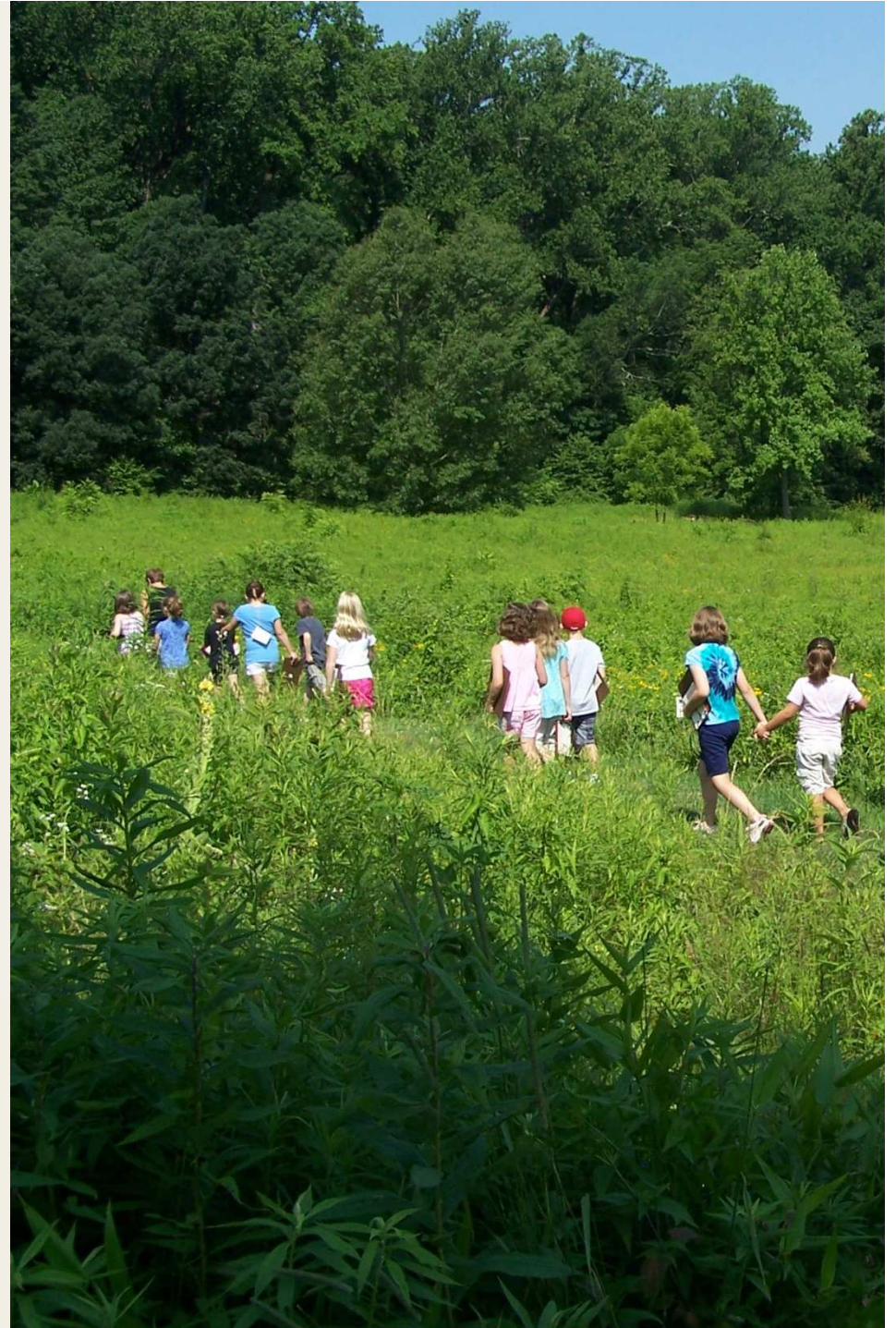
- “Very **engaging**, the students took away a lot of new knowledge on the topic.”
- “I wanted to let you know what a fabulous time we had with our trip! Kelly was amazing with the children and they especially **loved the opportunity to go up to the microphone/camera to answer questions.**”
- “Excellent job in presentation and **good support materials** provided”
- “The students were **able to see many desert plants that they would have never seen** if we had not done this video conference. They were also able to learn about different plant adaptations that I didn’t know about.”

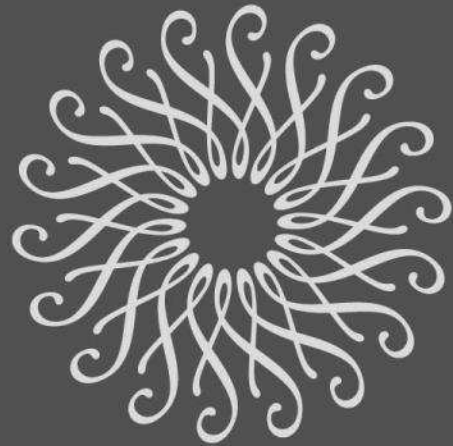


Questions for Longwood Gardens

Lori Trexler, Coordinator of
School and Youth Programs

ltrexler@longwoodgardens.org





LONGWOOD GARDENS

Step out of your world and into ours. . .
Experience Longwood

Visit us anytime at longwoodgardens.org