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
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: 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
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
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

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

Visit us anytime at longwoodgardens.org