

LONGWOOD
GARDENS

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*Engagement & Learning
Professional Training Programs*

Longwood Gardens

Our Mission

Longwood Gardens is the living legacy of Pierre S. du Pont, bringing joy and inspiration to everyone through the beauty of nature, conservation, and learning.

Our Vision

We envision a world where beauty is accessible to all. We are leaders and innovators in the art and science of horticulture. We present extraordinary experiences to bring pleasure, foster well-being, and spark imagination. We enrich society through learning and training programs, research, stewardship of the land, and community engagement.

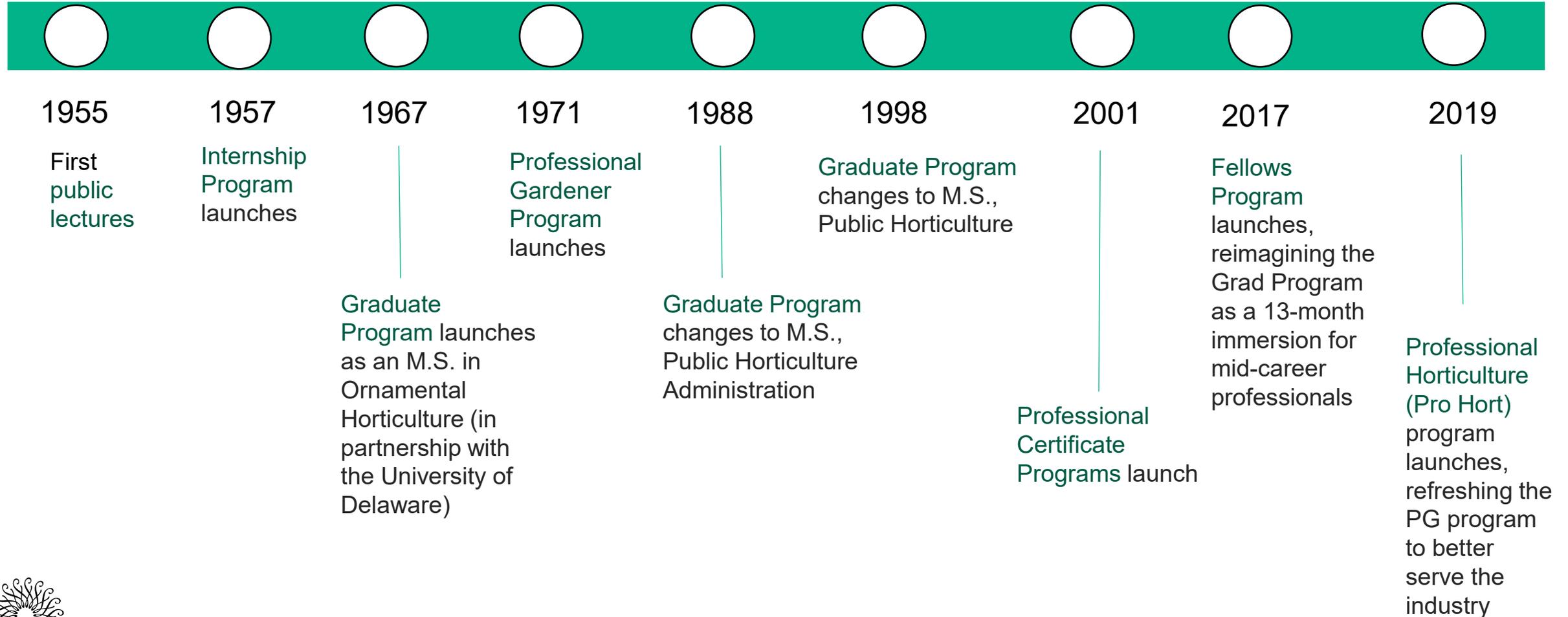




*Learning by Doing at
Longwood Gardens*



History of Education & Training at Longwood



Promoting Early Awareness of Green Careers

School Groups

- Traveling Seeds - PreK
- Educator-Guided & Self-Guided Field Trips in the garden
- Over 15K students per year on site and 1500 PreK in schools
- Free including bus reimbursement for Title 1 schools

Virtual Field Trips

- Award-winning, in-classroom virtual programs
- Horticulture Careers webinars
- Basic plant science including pollination & plant adaptations
- Reach ~15K students per year

Teen Volunteers

- 7-week immersive summer experience
- Teens work alongside horticulture staff to gain hands-on experience, insights, and skills
- Includes specialized workshops
- Capped at 20 students per summer – 50-75 applicants / year

Teacher Professional Training

- Rebooting 2025 to prepare teachers for new PA STEELS standards on environmental literacy & sustainability for K12
- Hands-on practices
- PA Teacher Act 48 credit & certificates of completion for other states



Green Career Exploration Day

- Free, three-hour career discovery experience, occurring twice per year (March and October) for students grades 9-12
- 100 students registered October 2024, 50 students registered March 2024 (both reached max capacity and had waitlists)
- Includes information about Longwood's student programs and employment opportunities as well as Seed Your Future connections
- Students interact and engage with staff from Longwood's horticulture areas, featuring new areas each time event is held. examples of careers featured include:
 - Land Stewardship & Ecology
 - Conservatory Display
 - Floriculture Production
 - Arboriculture
 - Outdoor Landscapes
 - Plant Information & Mapping
 - Conservation, Plant Breeding
 - Landscape Architecture and Design
- Hands-on activities led by Longwood students/staff (e.g. propagating begonia cuttings, creating kokedama)
- Accompanying parent and educator information sessions



Student & Professional Training Programs

Career Readiness Partnerships

High School Cooperative Education Program: Partnering with local schools and school districts across a range of skills sets and functions

High School Discover Program / PA OVR MyWorks Program: Partnering with Chester County Intermediate Unit and OVR to provide work experience to those with learning needs (paid through CCIU)

Domestic & International Internships

College and Post-College Internships: Hands-on work experience across functions, often residential, 3 to 12 months

International Training and Staff Exchange Programs: Structured and guided work-based programs for experienced horticultural professionals, residential, often 6 to 9 months

Professional Programs

Professional Horticulture Program: Two-year residential educational program composed of classwork and hands-on learning experiences designed to prepare future horticulturists

Fellows Program: Thirteen-month residential leadership program focused on developing mid-career leaders in public horticulture





Professional Horticulture Program

Our alumni graduate with the skills, knowledge, and experience necessary to acquire a sustainable, living-wage position in horticulture or the green industries.



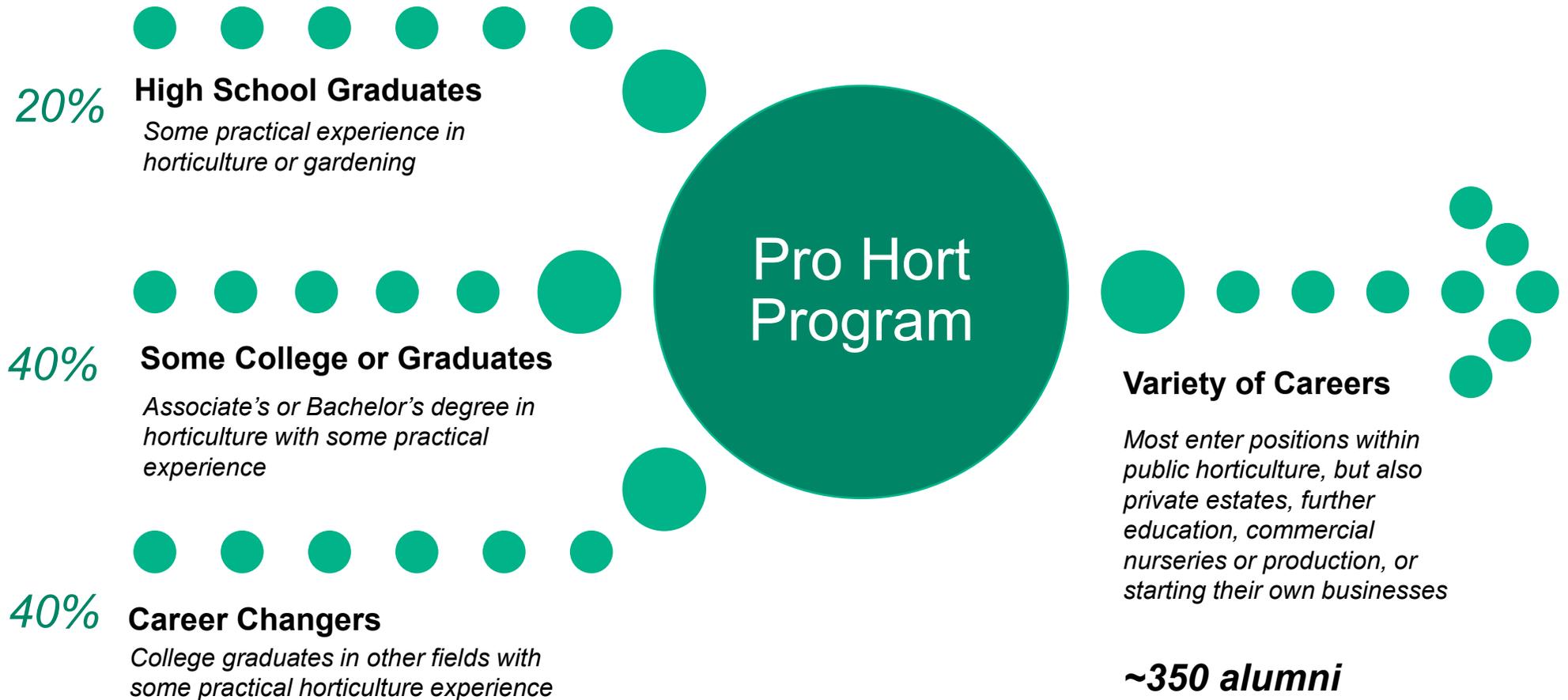


Program Approach

- Two-year immersive, residential horticultural education
- Cohort of 10 students each year
- Emphasis on hands-on learning, applied coursework and experiential learning
- Building students' network for new professionals to enter the field
- Tuition-free, housing, and stipend all included

Current Market Segments

As reflected in previous experiences of Pro Hort Students



Program Components

Hands-On Learning

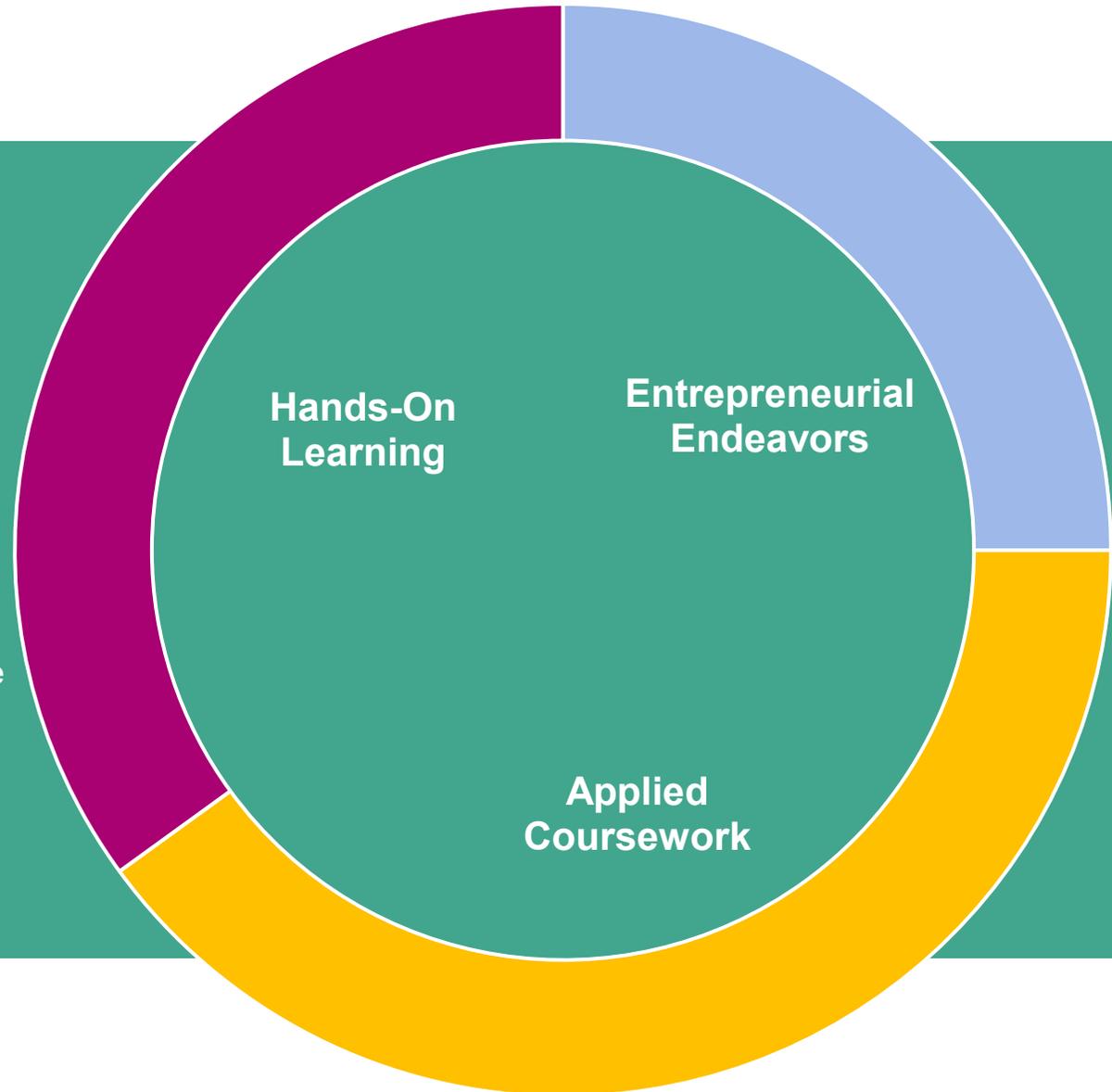
- Horticulture Rotations Throughout Longwood
- Student Garden Practicum
- Student Exhibition Gardens
- Experiential Learning: domestic & international

Applied Coursework

- Fundamentals in Horticulture
- Plant Identification
- Masterclasses in Professionalism, Networking, & Career Development
- Articulation agreements with Temple and Delaware Valley University

Entrepreneurial Endeavors

- Plant Sales
- Red Lion Row Farm



Professional Horticulture Curriculum

Fundamentals

- Principles of Horticulture
- Arboriculture
- Turfgrass
- Urban Horticulture
- Ecology & Land Stewardship

Production

- Greenhouse Management
- Plant Propagation
- Soil Science
- Nursery Production
- Fruit & Vegetable Production
- Entomology

Plant Identification

- Tropical & Indoor
- Woody Plants
- Herbaceous Annuals and Perennials
- Weed ID
- Edible & Medicinal

Design

- History & Theory
- Landscape Design
- Garden Practicum
- Student Exhibition Gardens

Professionalism

- Professionalism in the workplace
- Communication & Speech
- Career Searching & Networking



Hands-On Rotations throughout the Gardens



College & University Internships

Professional opportunities to gain practical experience, learn career skills, and study with our experts as a community of learners through paid internships and free housing.

- Current College and University students & recent graduates
- One-year or 10-week summer internship programs
 - Conservatory Display
 - Display Design
 - Conservation Horticulture
 - Greenhouse Production
 - Plant Healthcare
 - Land Stewardship & Ecology
 - Outdoor Landscapes
 - Woody Nursery Production
 - Plant Records
 - Engagement & Learning
 - Library & Information Services
 - Marketing & Communications
- **Over 2,050 alumni since 1958 – this is our largest & longest-running program to promote green careers**





International Internships

- Professional opportunities to gain practical experience and study with our experts as a community of learners
- Every year, up to ten aspiring gardeners, educators, and horticultural experts travel from other countries to share and learn at Longwood
- Nine-month experience, includes three, three-month rotations:
 - Conservatory Display
 - Conservation Horticulture
 - Greenhouse Production
 - Plant Healthcare
 - Land Stewardship & Ecology
 - Outdoor Landscapes
 - Woody Nursery Production
 - Plant Records
 - Library & Information Services
- **~300 international students/staff representing 40 countries since 1956**





Fellows Program

Longwood Fellows Program

A leadership accelerator that prepares high-potential professionals for high-impact roles in public horticulture

Nearly 300 alumni since the program's inception, in a wide range of roles including Executive Director, VP of Horticulture & Director of Gardens (among others)



LT FISCAL STABILITY/RESILIENCY
OF PUB GARDENS

NEW/UNIQUE, DIVERSIFYING
REVENUE

Program Vision

Our alumni have the clear vision, people skills, technical capacity, and robust professional networks to lead organizations that are dynamic, equitable, resilient, strategic, and thriving.



Fellows Program Components

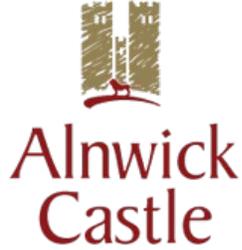
- **Classroom-based instruction** on leadership theory, management practices, and relevant issues, trends, and challenges
- **Applied learning** through an industry-focused research project, departmental immersions, personal reflection, and a 2-month placement with a domestic or international partner
- **Professional network expansion** through garden visits, conversations with thought leaders, conferences, mentors, executive coaches, and alumni society



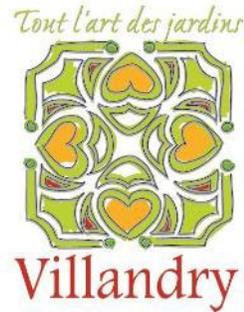
Field Placement Partners



Royal
Botanic Garden
Edinburgh



THE HUNTINGTON
Library, Art Museum, and Botanical Gardens



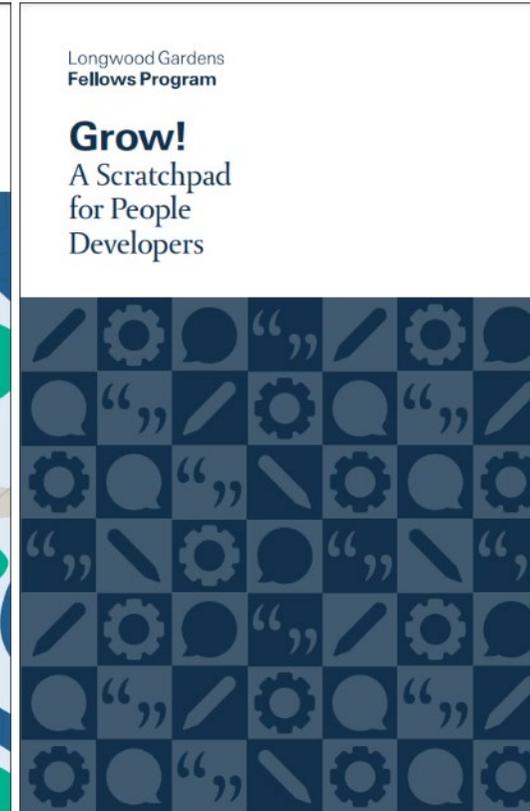
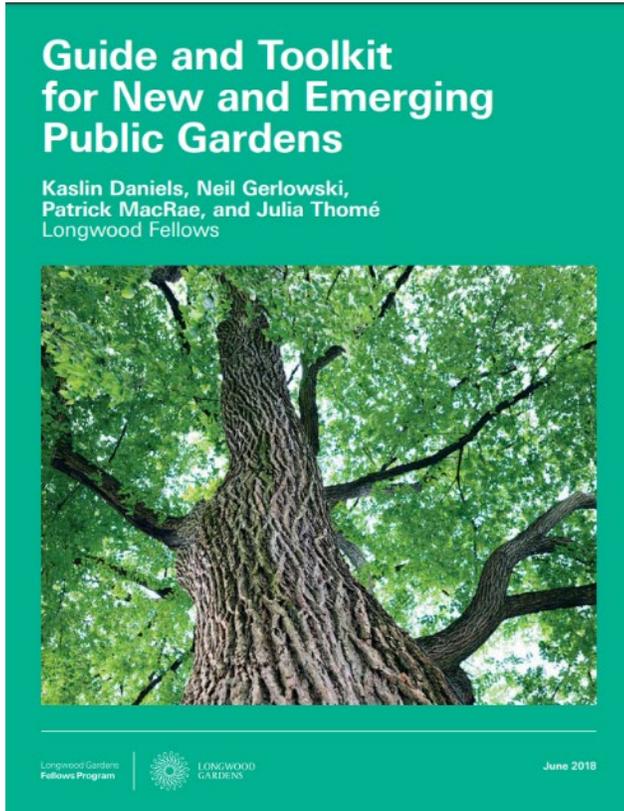
MONTGOMERY
BOTANICAL
CENTER

DESERT
BOTANICAL
garden



The ARNOLD
ARBORETUM
of HARVARD UNIVERSITY

Cohort Project





Seed Your Future

Beyond our gardens, we partner with organizations to invest in the future of horticulture and inspire people to pursue careers working with plants.

Longwood is SYF's co-founder and continues to be one of the primary supporters of this national campaign to promote the art, science, technology, and business of horticulture by raising awareness and providing resources to students to pursue green careers.

Questions?

