



THE KENVEDA BUILDING FOR INNOVATIVE SUSTAINABLE DESIGN



RESOURCES

[CBID Showcase Video on YouTube](#) Biological systems as design inspiration

Integrative Education and Research Training:
CBID at Georgia Tech



Creative Gardening Workshop

Presented by RCE Greater Atlanta + GT Students Organizing for Sustainability
With Community Partners: Truly Living Well + Grace Kim

📍 Georgia Tech Community Garden

March 30

April 6

April 13



- Gain valuable insights into the art of gardening + take home a vibrant plant to kickstart your own botanical adventure
- Learn and care for community garden beds and garden towers
- Engage with our community partners as they share their insights and expertise
- Lunch will be provided!

Spring 2024 Horticulture & Permaculture Workshop

The goal: our campus gardens are to be visible examples of permaculture practices.

Key attribute of permaculture: SYMBIOSIS - organisms develop mutually beneficial relationships with soil food web, establishing a better ecosystem microbiome in the soil.

We amended the soil with high-quality compost and worms. Amending the SOIL is the fastest way to help get good microbiology established. Observation tools are in place in the Kendeda Bio Inspired Makerspace.





Creative Gardening at Georgia Tech

Research

About | Our Research | News and Events | Resources 

[Home](#) > [Micro Research Grants Awarded](#)

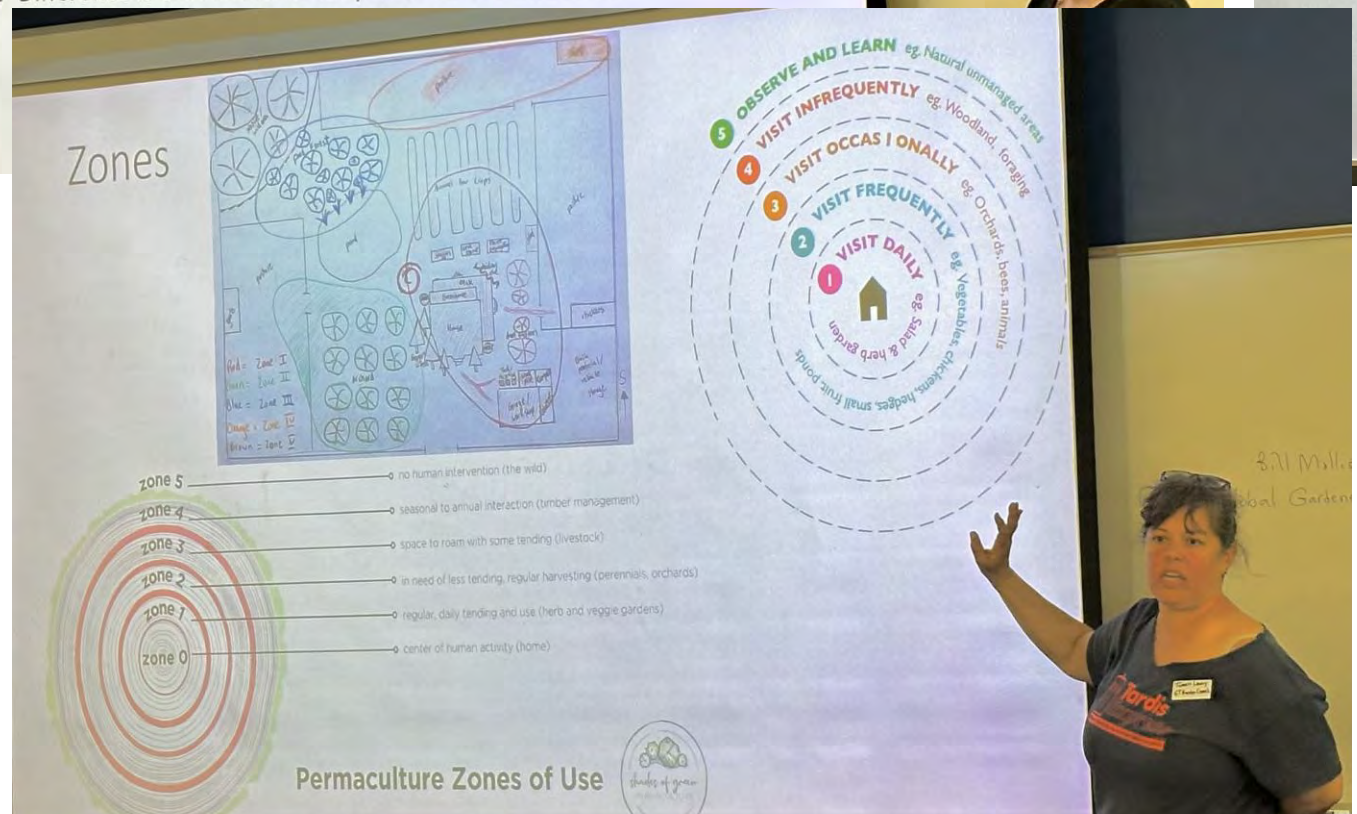
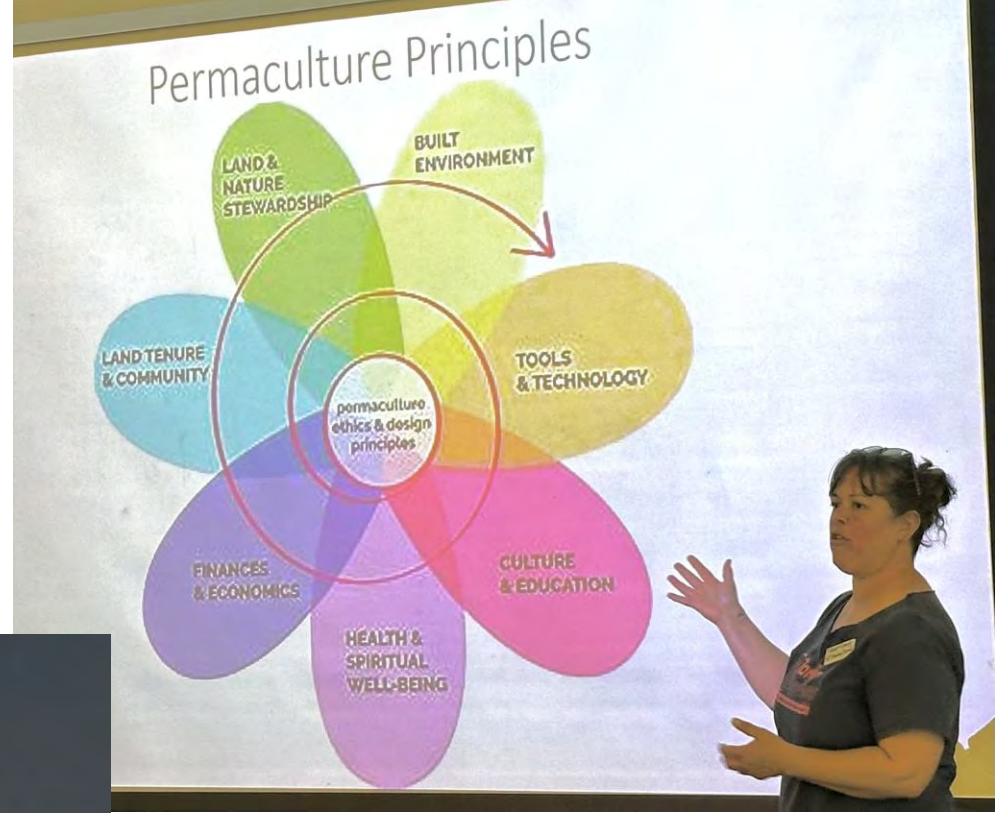
Micro Research Grants Awarded

DEC 06, 2023 – ATLANTA, GA

Roles of Team:

- Malte Weiland: weiland.malte@gmail.com, (404) 698-0690, Principal Investigator
- Jeannette Yen, jeannette.yen@biosci.gatech.edu, (404) 210 5458, School of Biological Sciences
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- Alan Booker: alan@i2rd.co , (256) 337-8879. Consultant on IRD
- Gary McNay: gcmcnay@gmail.com , Living Building Challenge Assessor
- RCE student team- assisting with marketing, communications, and student engagement.
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- Horticulture – The science, art or practice of garden cultivation and management, of growing fruits, vegetables, flowers or ornamental plants
- Agriculture – The science, art, or practice of cultivating the soil, producing crops and raising livestock in varying degrees and the preparation and marketing of the resulting products.
- Permaculture – The development of agricultural ecosystems intended to be sustainable and self sufficient. An approach to land management and settlement designs that adopts arrangements observed in flourishing ecosystems. A philosophy of working with, rather than against nature and looking at plants and animals in all their functions.
- Urban Agriculture – The practice, art, or science of farming withing an urban (and suburban) environment, especially the cultivations of food crops for consumption
- Community gardens- Difference is that these usually involve a number of stakeholders



Alan Booker

CONSULTANT - INTEGRATED REGENERATIVE DESIGN

BIO
Alan Booker is the founder and executive director of the Institute of Integrated Regenerative Design, the creator of the Integrated Regenerative Design standards, and the lead author of the Biocompatible Design standards. He has over 32 years of experience in engineering and over 20 years in sustainable and regenerative design.

In addition to teaching Permaculture and Integrated Regenerative Design, Alan provides consulting on large-scale projects involving watershed repair, ecosystem regeneration, regenerative land use patterning, net zero energy/carbon/water, sustainable buildings and infrastructure, and tools for transforming technologies to be deeply symbiotic with the Earth's ecosphere.

LANGUAGES

English

COUNTRIES

USA, Global Availability

CREDENTIALS

- B.S. in Electrical Engineering with 32+ years of industry experience specializing in large-scale Systems Engineering
- Certified Permaculture Designer and Instructor
- Certified Watershed Management Practitioner
- Advanced training in Green Infrastructure, Low Impact Development, Sustainable Transportation, Soil Food Web and Soil Microscopy, Regenerative Earthworks, Keyline Design, Holistic Management, Natural Building, Off-Grid Energy, and Biophilic Design



Living Future Conference 2024

CHANGE STARTS HERE

ATLANTA, GA | MAY 7-9, 2024

Discover the latest advances in the movement for regenerative buildings, products, and organizations.



Gary McNay

Creative Gardening

Georgia Tech Workshop: March 30-April 13, 2024

TIME	ACTIVITY	FACILITATOR	Location	NOTES + DOCS
11:00 - 11:30	Porch Permaculture	Tamsin		successes/failures of the seedlings? How's your plant friend?
11:30 - 12:00	Check on Beds + Towers			Time in the garden
12:00 - 1:00	Lunch + Learn + Conclusion	Rashid Nuri (Truly Living Well) + Tamsin		Conclusion: Are you looking at urban space for food growing differently



K. RASHID NURI

GROWING OUT LOUD
JOURNEY OF A FOOD REVOLUTIONARY

Food Revolutionary **K. Rashid Nuri**
Growing Out Loud: Journey of a Food Revolutionary

Urban agriculture transforms both people and places.

It is a powerful catalyst for sustainable community vitality.

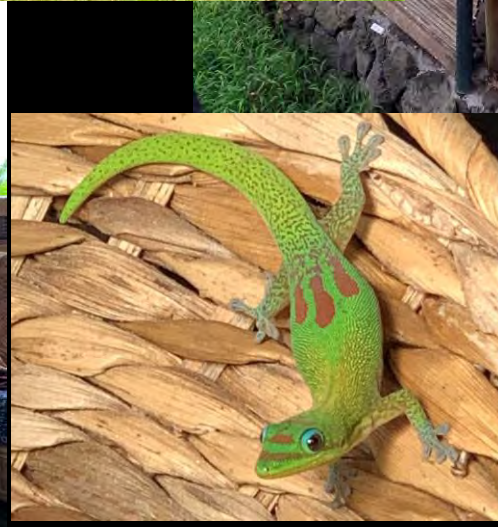
Our work builds self-sufficiency through food production and education.

To paraphrase Hunter S. Thompson:
“My life has not been a journey to the grave with the intention of arriving safely in a pretty and well-preserved body, but rather to skid in broadside in a cloud of smoke, thoroughly used up, totally worn out, and loudly proclaiming: “Wow! What a Ride!”



Liam Rattray 2011







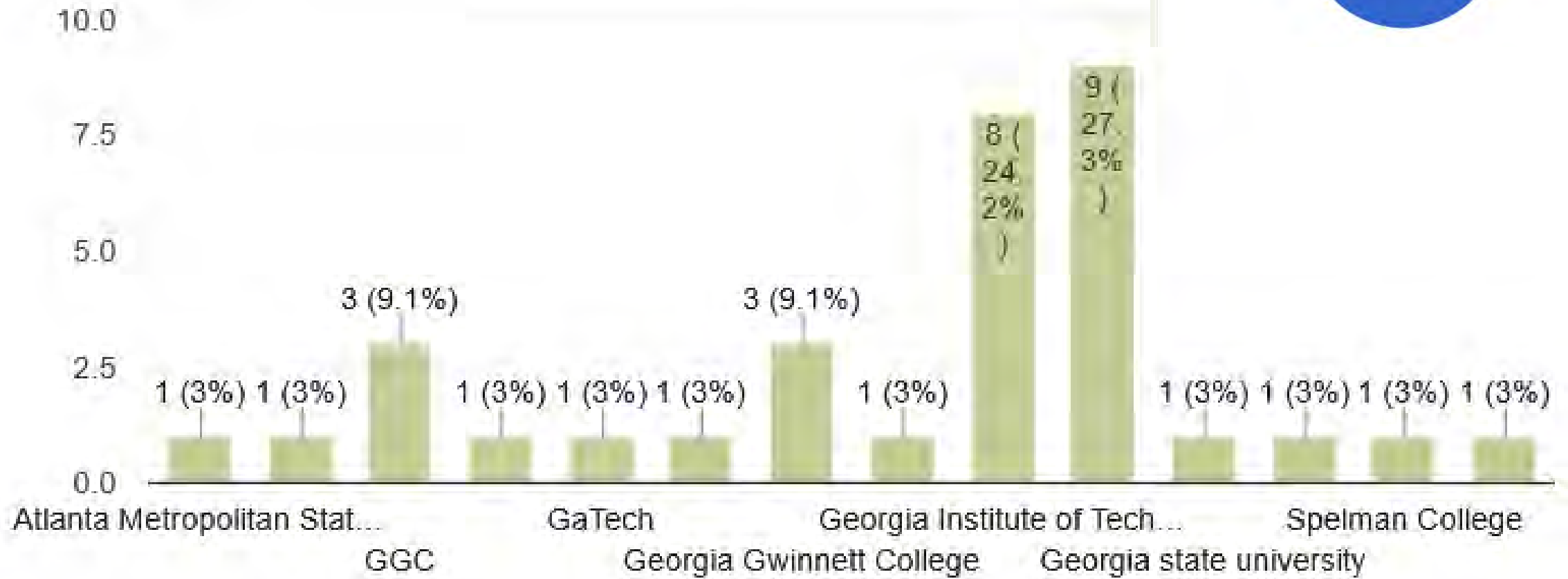






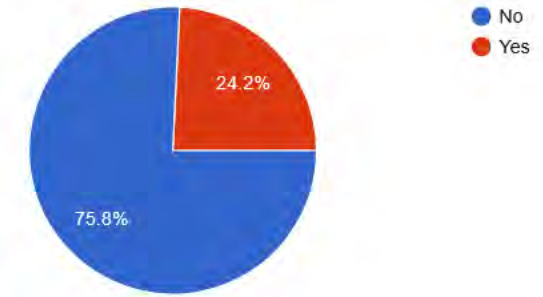
What college or university do you attend?

33 responses



Are you an RCE Member?

33 responses



SLUG

(Student Led Unity Garden at The University of Portland)

VEGI (Vanderbilt Educational Garden Initiative, Vanderbilt University)

“[The Burning Kumquat](#)” at the Washington University in St. Louis

“The Forge Garden” at Santa Clara University,



Student Led Unity Garden's Gallery



Spring Workdays 2023



SLUGFEST!
34 Photos



Summer Workdays
14 Photos



Earth Day After Party
12 Photos

The Burning Kumquat

The Burning Kumquat

Student-run organic garden on the campus of Washington University in St. Louis

[HOME](#)

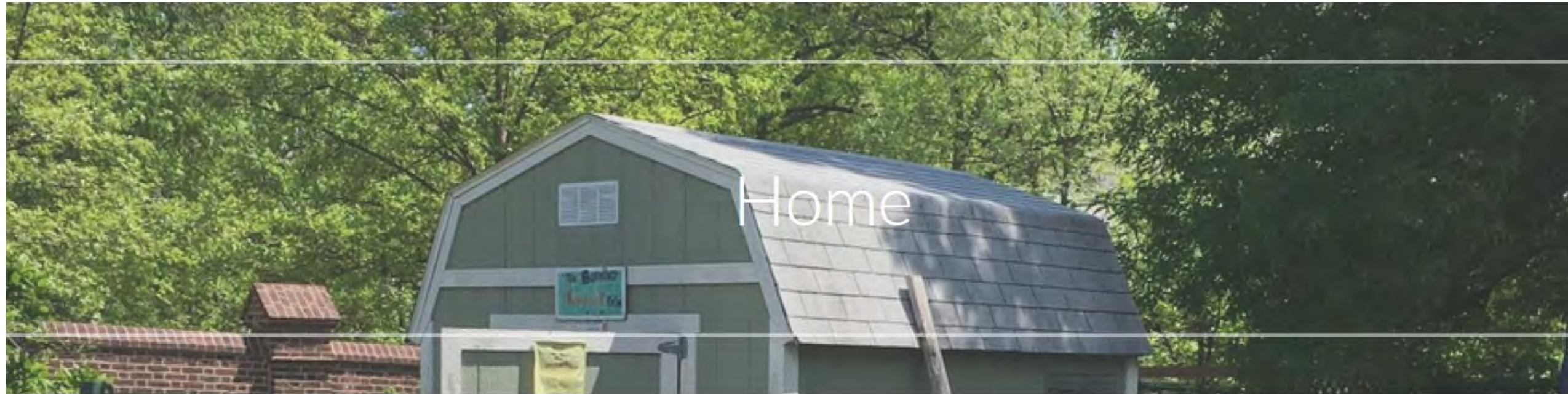
[ABOUT US](#)

[MARKET](#)

[GET INVOLVED](#)

[EVENTS](#)

[GARDEN MAP](#)



VEGI



Vanderbilt Educational Garden Initiative

Through the Vanderbilt Educational Garden Initiative (VEGI), the Vanderbilt School of Medicine student body combats food deserts and their consequent chronic disease epidemic.

A wholesome diet is crucial to physical and mental wellbeing. However, urban planning, economic precarity, and deficient education conspire to block vulnerable Tennesseans from adopting nutritious, plant-forward diets. Furthermore, healthcare professionals may neglect continuing education in America's food system when pursuing a narrower, medical model of disease.

Thus, we operate a community garden, greenhouse, and composting facility on the grounds of the University Club. The garden serves as a learning laboratory to provide hands-on education in urban farming to Vanderbilt students. The fruits of our labor are distributed to patients attending the Shade Tree Clinic, a free community clinic for uninsured Tennesseans. This lowers behavioral activation energy and removes barriers to the pursuit of a plant-forward diet.

Our club provides three deliverables:

- Fresh produce to vulnerable Nashvillians
- Practical education on the food system to Vanderbilt's student body
- A community allying medical students, undergraduates, and uninsured patients.

[✉ Contact](#)



Gallery Image



Gallery Image



[VIEW GALLERY](#)

Gallery Image



Gallery Image

Pandra Williams



Blog

2024 Spring Garden Path Classes

FEBRUARY 27, 2024

Spring Classes at Beech Hollow Intown 389 North Clarendon Ave, Scottdale 30079 Beech Hollow is...

[Read More](#)

Blog, Classes

Shade Gardening...the "Dark Side"

FEBRUARY 24, 2024

\$25.00 [Read more](#)
04/11/24 Shade Gardening 7 pm - 8:30 pm, Andrea Greco Not much...

ATHENS, ATLANTA,

RACHEL CARSON COUNCIL



<https://rachelcarsoncouncil.org/how-university-gardens-fight-student-food-insecurity-and-build-more-sustainable-food-systems/>

Teaching students to grow their own food offers them more independence and deeper understanding and respect for where their food comes from.

More than 100 higher education institutions have established community campus gardens.

These on-campus micro-gardens are also reducing average food travel miles from garden to table creating more sustainable food systems.

The vast majority of energy used in the U.S. food system (around 80 percent) goes to processing, packaging, transporting, storing, and preparing food.

Produce in the U.S. travels, on average, 1300 – 2000 miles from farm to consumer.

By saving time in transportation the produce is going to be fresher, higher in nutrients, and we know for sure the food we grow is not exposed to pesticides or chemicals.

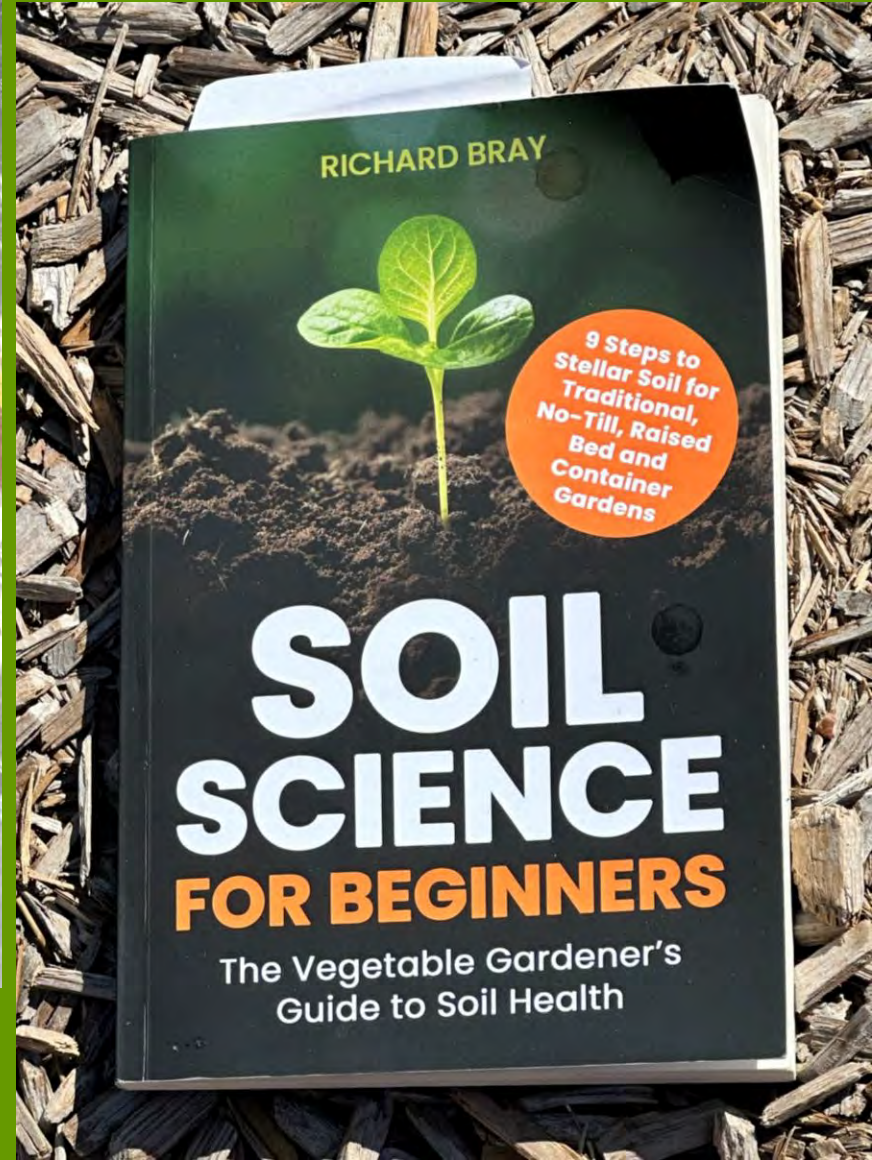
Food Insecurity on Campus

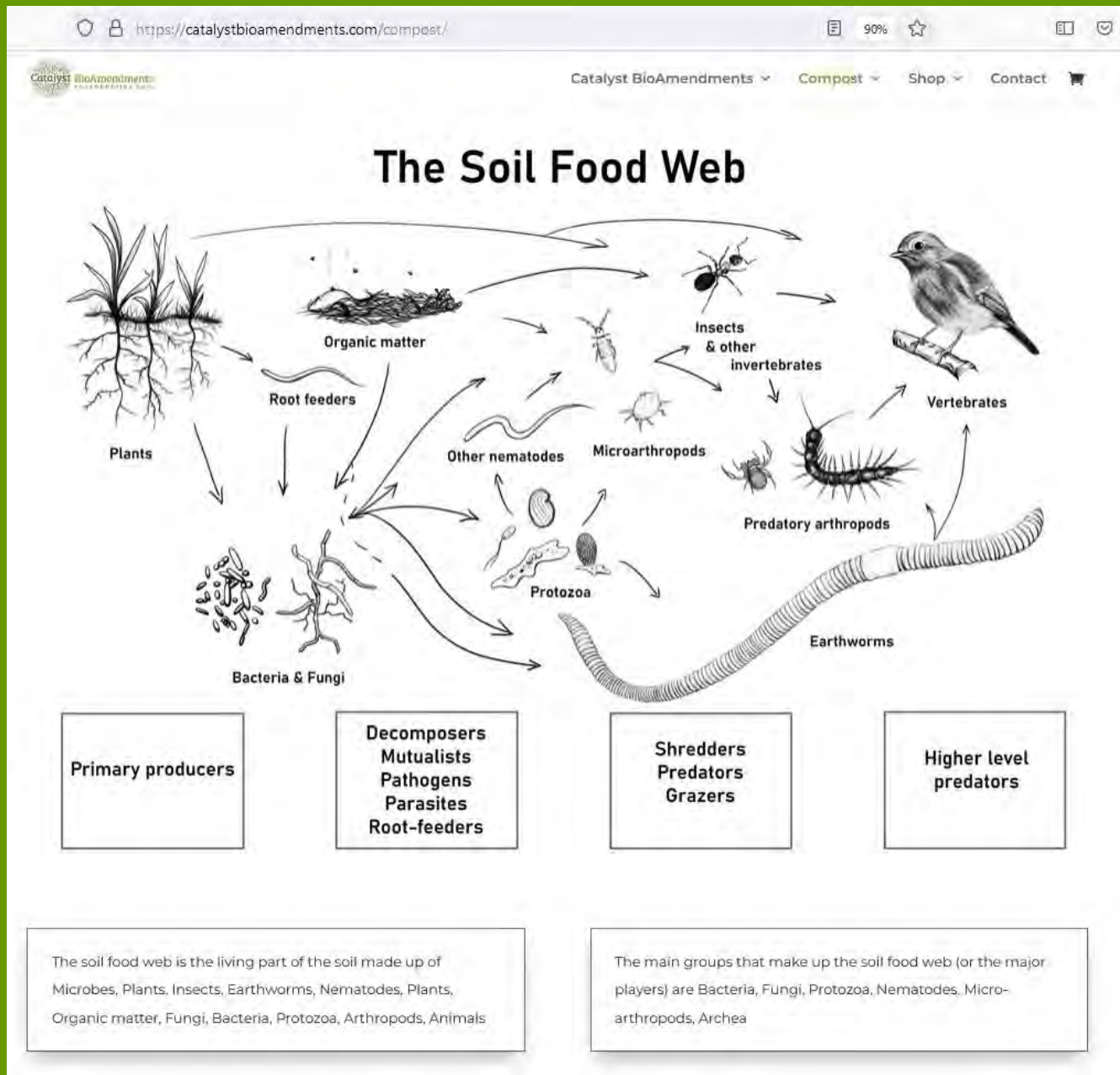
36% of university students
& **42%** of college students
are food insecure

10% of community college students
& **6%** of university students
have gone an entire day
without eating

*Source: Temple University
and the Wisconsin HOPE
Lab study, 2018*

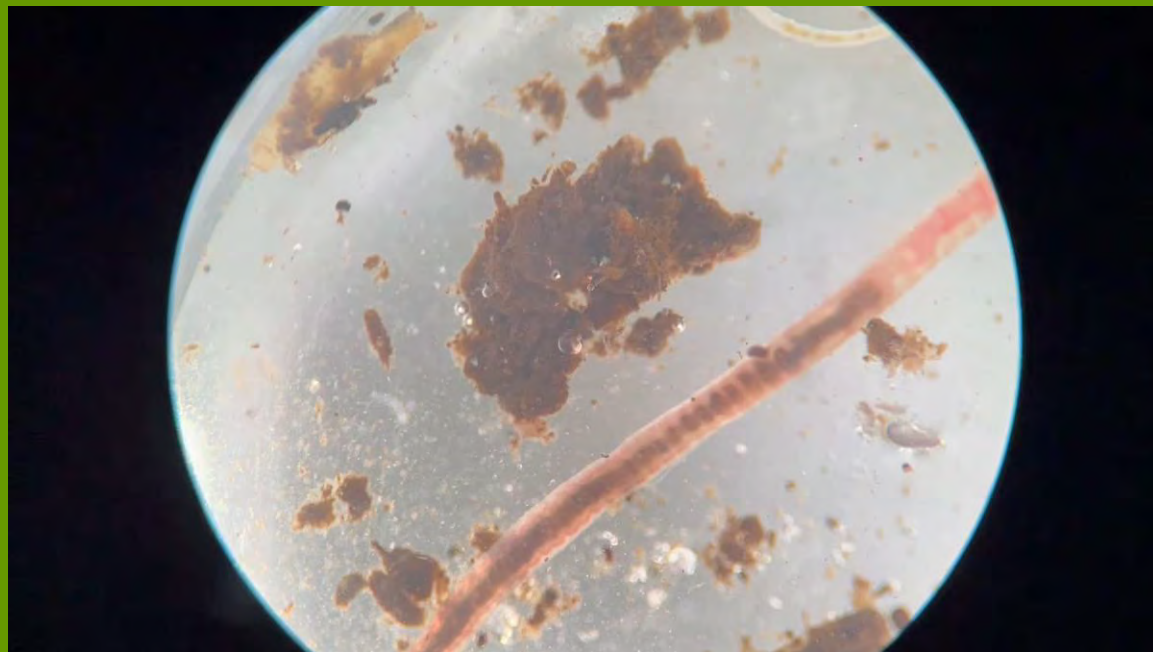


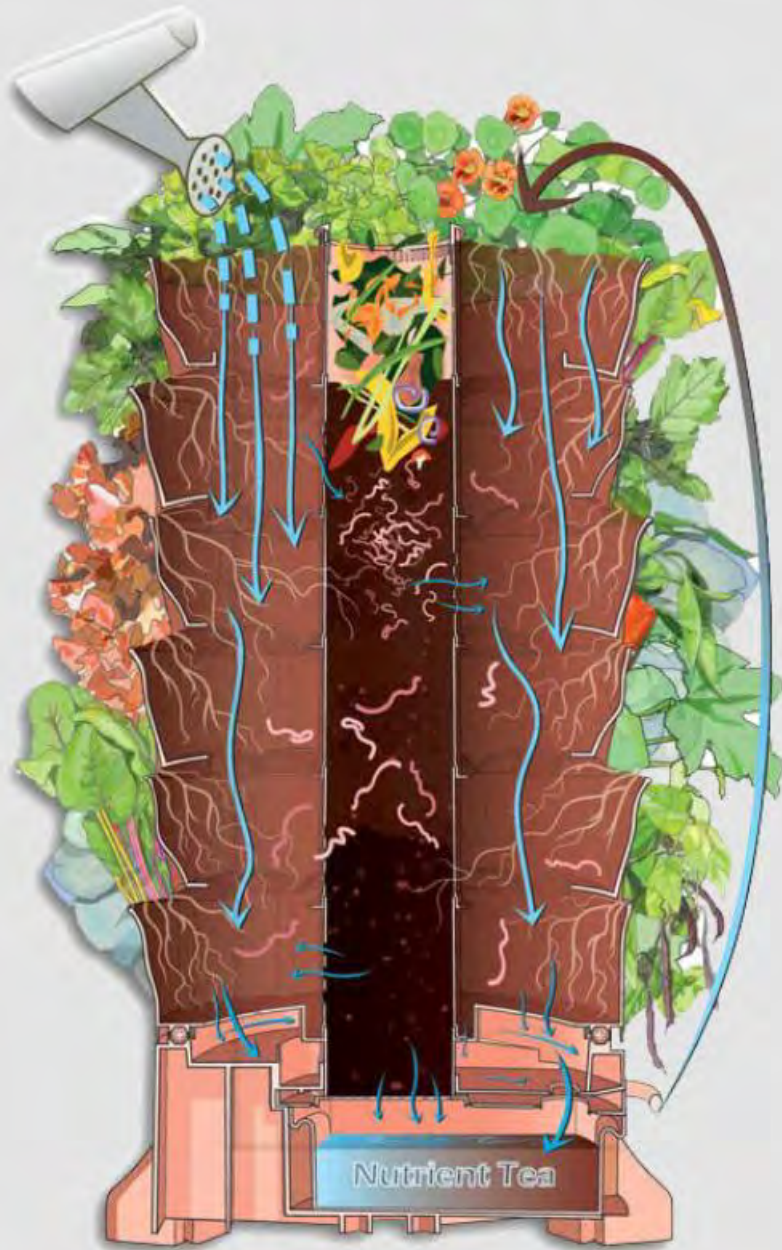




Category	Good Guys	Bad Guys
Bacteria	Round and rod-shaped bacteria are most often good	<i>Vibrio</i> bacteria (comma shaped) are an indicator of anaerobic conditions and cause disease <i>Spirillum</i> (spiral-shaped) bacteria can be dangerous disease-causing organisms <i>Spirochetes</i> (snake-like) bacteria are an indication of compacted, anaerobic soils
Fungi	3.0 µm or larger in diameter is most likely good Colored is most likely good	2.5 µm or less in diameter and/or clear in color are most likely bad Yeasts and other anaerobic fungi are bad
Protozoa	Flagellates (3-15 µm diameter) Amoeba (typically 5-20 µm)	Ciliates (10-200 µm, fast moving) (having a very few is OK)
Nematodes	Bacteria Feeding Nematodes Fungal Feeding Predatory	Root-feeding Nematodes (look for the knob at the base of the spear in the mouth)







**WORM
TOWER**



Grow where You Are