

Reframing of Farming From The Bottom Up

The Inverted Resource Pyramid and the future of food and life in general. We need to start from the bottom up.

Unlabeled Perils of Modern Urban Farming

Salts and other chemicals unlabeled are dangerous. This seems like it would be obvious until you face working a full-time job (that you love) and then cramming all the chores, ordering supplies online or from stores when funds are available or face a minor health emergency (or all of the above). Details slip through the cracks.

Yes, I am disorganized and lack discipline I know. But I still have to problem solve and make the magic happen. One of the most intriguing benefits of being a committed urban farmer is that you must by definition be a renaissance man; Farmer, Gardner, Engineer, Artist, Chemist, Vet, Statistician, Architect, and occasionally Butcher. It comes with the territory. Thus when you discover multiple bags of dry salts and liquids in unmarked bottles you do what any Renaissance scholar would do; Consult Google and or YouTube to figure out what the tell tale chemical signatures are of the 10 to 15 most common farmyard chemicals are. Then you label them. Except that bag with the question marks. We are still trying to work that one out...

Some chemicals (like red fox urine) do not need a label. You

and the other foxes, possums and raccoons can smell that one from 100 meters away! What's the strangest chemical you keep on hand?

Mezzacello Urban Farm and the Story of Two Maps

This is a blogpost of Mezzacello's evolution from a side yard farm to a 21st Century applied STEM Learning Lab.

Workshops at Mezzacello Urban Farm



Mezzacello offers summer camp programs, tours, and public speaking events. Mezzacello also offers workshops at Mezzacello Urban Farm. Workshops range from 90 minutes to half-day events around the technology, farming, gardening, sustainability, and energy systems.

Weekday or Weekend Workshop? Kids or Family?

All workshops at Mezzacello Urban Farm are hands on affairs with a deep focus on applied STEM and sustainability. The focus of workshops are to leverage applied STEM skills and experiences and do not include video or products. They are designed to be accessible to both young and adult alike, and many lend themselves to family integration and involvement.

Workshop Stipulations:

Four stipulations to workshops are:

1. A participant limit of (16) persons for standard workshops
 - Larger groups can be accommodated, but might be a mobile visit offsite
 - [Contact Mezzacello Urban Farm directly to schedule a visit](#)
2. Any workshop involving livestock or compost will require Rubber Boots and Jeans
3. There can be no open toed shoes or shorts at any workshop, jeans and shoes only

4. A medical and photo release forms must be included to participate
- [Find those forms and a registration form here.](#)
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One Day Workshops



BioEngineering Basics

- Using simple machines, sensors, and innovation
- There are six simple machines and in this workshop we explore them all and the materials that connect them)
- Hands on and fun and design challenges to build solutions
- This is a full-Day Workshop
- Lunch is not provided
- Shareout will be a video

Register for This BioEngineering Basics Workshop



BioTech in Action

- Understanding livestock health and wellness
- Treating, diagnosing, and managing the health of four different species of animals
- The six main pathologies of captive livestock are explored and treated
- This is a full-Day Workshop
- Lunch is not provided
- Shareout will be a video

Register for this BioTech In Action Workshop



Partners Not Pets Workshop

- Working with livestock on a farm
- Why livestock is important to the health and sustainability of an urban farm
- How animals and humans share in the sustainability of the urban farm
- This workshop includes a discussion of ALL uses of animal products and animal bodies
- This is a full-Day Workshop
- Lunch is not provided
- Shareout will be a video

Register for Partners Not Pets Workshop



Physical Electricity Workshop

- Leveraging the physics and practical use of electricity
- Understanding electrons, pressure, physics, and math that creates the reality of energy
- Participants experience WHY electricity is physical
- Then they put that applied STEM knowledge to work
- This is a full-Day Workshop
- Lunch is not provided
- Shareout will be a video

Register for the Physical Electricity Workshop



Quantum Effects in Nature

- Seeing the role of the quantum realm on the farm)
- Using light and electromagnetic effects to better understand nature
- Why color, light, magnetism, and chemistry make reality seem more real
- This is a full-Day Workshop
- Lunch is not provided
- Shareout will be a video

Register for Quantum Effects in Nature Workshop

Family Workshops



Family Matters Workshop

- How we can observe the UN 17 Sustainable Development Goals wisely
- Working in teams, we will find ways to live sustainably
- Then we will share what we've learned and come up with a plan
- Bring a lunch! The family share out will be at 2:00
- Final Share Out can be live or filmed

[Apply and Register Today!](#)



Nature's Ninjas Workshop

- How we are all alpha animals and why we need each other
- How sustainability **REQUIRES** empathy, compassion, and skills
- Training Butterflies and Ladybugs to feed on natural

resources

- Training Chickens and Ducks to recognize and seek out pests and destroy them
- Bring a lunch! The family share out will be at 2:00
- Final Share Out can be live or filmed

Apply and Register Today!



Systems Planning Workshop

- A good system is a system that adapts to what is available and how it is important
- Learning applied STEM cues and patterns will help any person better understand how we are sustainable
- Could you and your family create a “Floor Is Lava” system to better understand sustainability?
- Bring a lunch! The family share out will be at 2:00
- Final Share Out can be live or filmed

Apply and Register Today



Climate Effects Workshop

- living the lifestyle for sustainability and not just convenience
- There is a fineline that must be explored when you start a cohesive/sustainable farm or household
- Why enclosed inter-related ecosystems matter and make a family, farm or community sustainable
- Bring a lunch! The family share out will be at 2:00
- Final Share Out can be live or filmed

Apply and Register Today

Nuisance and Willful Animals

What happened to all the leaves on my glorious sweet potato vines and why are there eight eggs in that raised bed? Find out here.

History Repeats and the Line is a Circle

Why does history repeat? And is that a bad thing? An essay in redemption and growing. All lines are circles after all.

Carbon Sequestration? Plant The Future and Compost It

After reading about the Biden plan to spend \$1.2B on carbon sequestration, I decided to talk about compost.

Summer Sign Up

Sign up here for the remaining Mezzacello Urban Farm Summer Camps and Workshops for 2023. Biotech, BioEngineering, and Enclosed Ecosystems.

Our Goal At Mezzacello Urban Farm

This is the mission and vision of Mezzacello: Grow, maintain, sustain, and entertain. Come visit us or tour to learn more.

Climate Reality and Sustainability

Part of a blog series at Mezzacello on the UN 17 SDG. This one covers what we can do in terms of Climate Action and reality.