



**2024**

**SERVICE LEARNING &  
WORKSHOPS**

Rank Your Choices by 11:59PM on 7/25 at  
[4-HU 2024 - Service & Workshops Sign Up \(forms.office.com\)](https://forms.office.com)

**UF** | IFAS Extension  
UNIVERSITY of FLORIDA



# {Tuesday Morning Service Learning}

Tuesday, July 30 | 9:00am-12:00pm

## Sewing for Service: Sensory Aprons

*Presented by 4-H Clothing, Textiles and Fashion Action Team*

Use your creativity and sewing skills for this meaningful service project. Using a variety of textured fabric, accessories, notions, and garment parts, participants team up to design and construct a sensory apron for youth with special needs. Sensory aprons are used to encourage learning through exploration, curiosity, problem solving and creativity.

**Some sewing knowledge and use of sewing machine is helpful but not required.**

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## The Repurpose Project

The Repurpose Project is a non-profit community-based effort to divert useful resources from the landfill, redirect these items to the public for art and education, inspire creativity, and help us all rethink what we throw away. In short – a junk shop that specializes in material not accepted by traditional thrift stores. We are creating a circular economy for these hard to handle materials. Buying used is good for the earth. Help sort through, organize these treasures, and help protect the planet!

**Be prepared to sort through donated materials and organize by section.**

**CLOSE-TOED SHOES, HAT, SUNSCREEN, WATER BOTTLE REQUIRED.**

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## Kits to Heart

Founded in May 2020 in Clarksville, MD, Kits to Heart distributes thoughtfully designed, curated cancer care kits to hospitals and cancer centers, and ships directly to patients nationwide. Kits to Heart also offers an innovative Art for Cancer Wellness Program to further address the issue of loneliness—as well as to provide tools to heal and cope for patients, caregivers, and oncology healthcare workers.

**You will be creating and writing beautiful hand-made cards and letters for cancer patients.**

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## Grow Hub

GROW HUB is a beautiful and safe place where adults of all abilities can find meaningful work. These collaborative community programs and partnerships provide opportunities and experiences participants cannot find elsewhere. Our campus provides a little something for everyone including retail sales, nursery stock management, gardening, landscape maintenance, equipment repairs, seed saving, plant sales, art classes and yoga workshops. Our mission is cultivating, empowering, and assisting disabled adults for sustainable living through education, training, and job opportunities.

**You will be setting bricks to make a path, construct/deconstruct a greenhouse for Florida native plants, paint the surface of wheelchair ramp with gritty paint.**

**CLOSE-TOED SHOES, HAT, SUNSCREEN, WATER BOTTLE REQUIRED.**

## UF/IFAS Honey Bee Research and Extension Lab

At the UF/IFAS Honey Bee Research and Extension Lab, our goal is to improve the health and productivity of bee pollinators everywhere. We conduct research, share our findings through diverse extension programming, and train future generations of bee educators, researchers, and conservationists.

**Do not select this activity if you are allergic to bees.**

**Volunteers will learn about the needs of honeybees and help paint hive boxes at our lab.**

**CLOSE-TOED SHOES, HAT, SUNSCREEN, WATER BOTTLE REQUIRED. PARTICIPANTS MUST BRING A SIGNED WAIVER.**

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## Mill Creek Farm: Retirement Home for Horses

In 1984, Peter and Mary Gregory created the Retirement Home For Horses, Inc., a nonprofit sanctuary for old, abused, and abandoned horses in Alachua, in North Central Florida. The Retirement Home For Horses at Mill Creek Farm is 335 acres of tree-lined, rolling green pastures that is protected by a perpetual conservation easement that prevents the land from being developed, ensuring that the Retirement Home For Horses at Mill Creek Farm will always be a sanctuary for horses in need.

**Expected Responsibilities: Pressure wash feed buckets, clear branches from pastures, organize barn or tack room, weed the garden, etc.**

**CLOSE-TOED SHOES, HAT, SUNSCREEN, WATER BOTTLE REQUIRED.**

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## Haven Hospice Attic Resale Store

Serving advanced illness needs in North Florida since 1979, Haven has been the recipient of the Circle of Life Award from the American Hospital Association for its excellence and innovation and has been recognized as a Florida Pacesetter for its leadership in promoting advance directives. Sales generated at the Attic Resale Stores directly support Haven patients and families and many other people in the community served by our programs and services.

**Expect to sort through donations, tidy up store, replace hangers where needed, and lift donated items from cars.**

**CLOSE-TOED SHOES, HAT, SUNSCREEN, WATER BOTTLE REQUIRED.**

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## Wilmot Botanical Gardens

Wilmot Botanical Gardens is named for Royal James “Roy” Wilmot who in the 1940s was a horticulturist with the Agricultural Experiment Station at the University of Florida. Wilmot was an authority on camellias and classified many of the 3,000 known varieties of this flowering shrub, sometimes called “the empress of winter.” Wilmot Garden was once the largest publicly owned collection of camellias in the country. Wilmot was a founding member of the American Camellia Society that was established in 1945 in Macon, GA. He was the first secretary of the society and its first yearbook editor.

**Expected Responsibilities: Pull weeds, spread pine straw.**

**CLOSE-TOED SHOES, HAT, SUNSCREEN, WATER BOTTLE REQUIRED.**

## Horticulture Sciences Teaching Farm

The Horticultural Sciences Department at the University of Florida is a team of faculty, staff, and students dedicated to improving fruit and vegetable production for the benefit of farmers and consumers. We conduct innovative research in plant breeding & genetics, plant and environmental physiology, fruit & vegetable production, postharvest physiology, biochemistry, and other disciplines. We offer high-quality education and training for undergraduate and graduate students to equip them with the skills needed to be successful in satisfying, high-paying careers. Learn the science behind successful community gardens and protecting the future of agriculture.

**You will be assisting with horticulture farm projects and garden tasks.**

**CLOSE-TOED SHOES, HAT, SUNSCREEN, WATER BOTTLE REQUIRED.**

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## Keep Alachua County Beautiful

Our *mission* is to beautify, conserve resources, recycle, educate, and preserve our community's environmental legacy. There are various projects inside, outside and nearby Dreamers Garden, including installation initiatives, landscaping, planting, upkeep and cleanups.

**You will be assisting with a city area clean-up site.**

**CLOSE-TOED SHOES, HAT, SUNSCREEN, WATER BOTTLE REQUIRED.**

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## Morningside Nature Center – Living History Farm

Morningside Nature Center, is one of the last remaining examples of fire-dependent longleaf pine woodlands in the Gainesville area (416 acres). The Living History Farm at Morningside Nature Center brings a Florida family living in the mid to late 1800s to life again. On Living History days (First Saturday of the month, September through May) farm visitors can observe daily life in 1870 as staff interpret by gone days through chores and activities.

**Assist with a maintenance project on the historic farm.**

**CLOSE-TOED SHOES, HAT, SUNSCREEN, WATER BOTTLE REQUIRED.**

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## Share-the-Fun & Fashion Revue Rehearsal

For those that are part of Share-the-Fun and Fashion Revue, we will be having a rehearsal during this time.

# {Tuesday Afternoon Workshops}

Tuesday, July 30 | 2:15-5:15pm

## 4-H Mock Trial Experience – Part 1

*Presented by Sarah Wolking, UF Law*

Want to learn what it is like to present a case to a jury? Join this mock trial experience to enhance your skills in public speaking, communication, problem-solving, collaboration, critical thinking, and persuasion. You will serve as a lawyer, witness, or juror and have fun learning as you prosecute or defend in a criminal case.

**COURTROOM ATTIRE OR BUSINESS CASUAL; WORKSHOP WILL REQUIRE SOME PREPARATION BETWEEN TUESDAY AFTERNOON AND WEDNESDAY AFTERNOON SESSIONS.**

**Must attend both session parts – Tuesday AND Wednesday afternoons.**

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## The Meat We Eat! – Part 1

*Presented by Brian Estevez, UF/IFAS Extension – 4-H Youth Development*

“The Meat We Eat” gives youth an opportunity to learn about, see, and participate in the meat industry. This fun-filled two-day workshop will include pork fabrication, sausage production, food safety, and general meat science activities. Participants will also learn about and engage in the Florida 4-H Tailgate Contest. Participants will tour a USDA-inspected facility, meet with UF professors, and participate in a taste panel.

**MUST WEAR LONG PANTS AND CLOSED TOED SHOES BOTH DAYS. JACKET RECOMMENDED.**

**Must attend both session parts – Tuesday AND Wednesday afternoons.**

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## Digging into the Earth: Exploration of Earth and Planetary Science with UF's Department of Geological Sciences – Part 1

*Presented by Courtney Sprain, Tomison Obajemu, Yu-Ping Chen, & Alea Atkinson, UF Department of Geological Sciences*

This two-day workshop introduces students to the exciting field of Earth and Planetary Science. Students will tour labs in the UF Department of Geological Sciences and learn about the exciting research being performed here ranging from understanding sea-level and coastal change, exploration of Earth's mantle and core, to the search for life on Mars. Students will also learn some Earth Science basics and will get hands on experience running real samples in the UF Paleomagnetism Laboratory.

**CLOSED TOE SHOES AND PANTS ARE REQUIRED.**

**Must attend both session parts – Tuesday AND Wednesday afternoons.**

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## Micrones: Invisible Friends and Tiny Influencers – Part 1

*Presented by Monika Oli, Jaysankar (Jay) De, Leandro Teixeira, UF/IFAS Microbiology and Cell Science*

Enter the exciting world of microbiology as you learn how to explore microbes in their environment, learn lab skills and tools to investigate microscopic organisms and investigate microbes' roles in food, nature, health, and disease.

Participate in three hands-on activities that will engage your curiosity and spark an interest in microbiology as a potential career path.

#### Day 1

- Field trip around the MCS building looking for lichen, mosses, and fungi. Collect a murky water sample from Lake Alice.
- Use microscopes to observe and identify diverse types of microorganisms in a drop of water, such as bacteria, algae, protozoa, and fungi. Learn how to prepare slides, adjust magnification, and focus, and record scientific observations.
- Culture microbes from the body and the environment and discuss the importance of our microbiome.

#### Day 2

- Examine bacterial growth from the plates inoculated with body/environmental samples (from Day 1 activities)
- Create a Gram stain from the bacterial samples and cheek smear.
- Examine food and beverage items made with microbes and visualize bacteria and molds in assorted items. You will even be able to taste fermented food products.
- Discuss hand hygiene (use glow germ) and safe food handling (if time permits).
- Discuss career options for microbiologists.

**MUST WEAR CLOSED TOE SHOES, LONG PANTS, NO FOOD AND DRINK IN LAB, WE WILL PROVIDE EVERYTHING ELSE.**

**Must attend both session parts – Tuesday AND Wednesday afternoons**

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### Save a Life – Part 1

*Presented by Prudence Caskey, Candi Dierenfield, & Mary English, UF/IFAS Extension – 4-H Youth Development*

Save A Life at this workshop! Participants will learn and become certified in CPR/AED and First Aid. Additional training will include Stop the Bleed and QPR training, a suicide prevention program.

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### Turning Digital Design into Reality – Part 1

*Presented by Heather Futch, UF/IFAS Extension – 4-H Youth Development*

During “Turning Digital Design into Reality” learn the basics of some quick digital design and turning these ideas into real items you’ll take home with you. Perfect for beginners and will go through all the basics you need to know about Canva and using a design for sublimation. Sublimation is a method of printing that transfers a design onto various materials using ink and heat. Just think of your designs on a cup or a keychain – join us to take your ideas and turn them into potential entrepreneurial ideas for the future!

**Must attend both session parts – Tuesday AND Wednesday afternoons.**

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### Agri-Tech Solutions: Snacking and Solving the Crime of The Sick Peanuts

*Presented by Tre Easterly, Ian Small, Sheeja George, Sarah Hensley, Bill Eisenstad, Mary McKeller, Brantley Spakes-Richter, Sebastian Galindo, UF/IFAS Agricultural Education and Communication*

We need your knowledge of technology to solve a major crime in our peanut crop! In this workshop, we will explore how we can use technology to prevent disease pressure in peanut production. You will learn to install soil moisture and temperature sensors with enabled IoT (internet of things) connections and use computer coding to analyze data collected with the sensors. We hope you are hungry for peanut butter and justice!

### **Creating a Tranquility Toolkit: A Teen's Guide to Mindful Living**

*Presented by Niki Crawson, UF/IFAS Extension – 4-H Youth Development*

You find yourself at the mercy of your thoughts for another night until the brightly lit clock shouts the time of the next screeching alarm. Why does peace and rest elude you? More importantly, how can you bring it back? Learn ways to bring a sense of tranquility and balance to your surroundings that promote healthy living and mindfulness.

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### **Guardians of the Animals: Bio-Security Workshop**

*Presented by Shane Michael & David Hafner, UF/IFAS Extension – 4-H Youth Development*

Join us for an interactive workshop to learn the crucial importance of animal biosecurity. Through hands-on activities, explore various aspects of biosecurity, from understanding disease transmission to implementing preventative measures. You will have the opportunity to practice basic animal first aid techniques including wound care and injections. (No live animals will be a part of this workshop.)

**CLOSED TOE SHOES REQUIRED.**

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### **4-H Marine Ecology Contest What You Need to Know**

*Presented by Clair Norden & Erin Mugge, UF/IFAS Extension – 4-H Youth Development*

Come learn about the future 4-H Marine Ecology Contest! Discover what the 4-H marine ecology program will look like for this upcoming 4-H year. You can even participate in a mock contest activity and provide your feedback. We hope to see you there!

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### **College 101**

*Presented by UF Collegiate 4-H*

Join UF's Collegiate 4-H Club to learn how to pick the best roommate, how to decide what school to pick, learn about financial aid, and so much more. Get first-hand knowledge from UF students through fun and competitive activities! Play a game about true and false college roommate stories, and even design your perfect roommate.

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### **Work Ready Florida: Land Your Dream Job**

*Presented by Sarah Sarver, UF/IFAS Extension – 4-H Youth Development*

Join Work Ready Florida for an interactive workshop where you can equip yourself to earn your dream job! Discuss the ins and outs of building a tailored resume, nail job interviews through practice with silly skits, and get hands-on access to career certifications through our virtual club. Perfect for aspiring professionals ready to make the best better.

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### **Florida 4-H State Council – State Officers, Candidates, & Voting Delegates**

For those that are current state officers, officer candidates, or voting delegates. We will be holding our State Council meeting during this time. Select this and be sure to select a standalone workshop for Wednesday Afternoon Workshops (C), **NOT** a Part 2.

# {Wednesday Morning Workshops}

Wednesday, July 31 | 9:00am-12:00pm

## Living on my Own

*Presented by Noelle Guay, UF/IFAS Extension - 4-H Youth Development*

Embark on a transformative journey with our Living On My Own (LOMO) workshop—a dynamic, hands-on simulation designed to immerse you in the challenges and choices of adult life. In this engaging experience, you will step into the shoes of a 25-year-old managing their household's finances, navigating through stations representing real-life businesses staffed by teachers. From housing and transportation to managing unexpected life events, each decision mirrors the complexities adults face daily. Gain practical insights into the costs of independent living, and enhance your financial literacy to make informed decisions crucial for future success. Don't miss this unique opportunity to build crucial life skills and financial acumen—sign up for Living On My Own and pave the way for a more informed and confident future!

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## Charcuterie Masters

*Presented by Jessica Emerson & Katie Jones, UF/IFAS Extension - 4-H Youth Development*

We've all seen those beautiful party food trays known as charcuterie boards, but have you ever had the chance to make one?! During this workshop, participants will learn food safety, what flavors work well together (and which don't), how to prepare food for the charcuterie board and how the boards can be presented for different events. Participants' knowledge will be put to the test with the ultimate "grazing" box show down!

**CLOSED TOED SHOES AND A HAIR TIE TO TIE BACK LONG HAIR FOR FOOD SAFETY REASONS.**

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## Be a Water Detective: Help Keep Our Environment Healthy!

*Presented by Brent Broaddus, Eban Bean, Piyush Agade, UF/IFAS Extension - 4-H Youth Development & Agricultural and Biological Engineering*

Imagine a world where you could become a superhero for our rivers and lakes! Here's the mission: uncover sneaky polluters harming our water.

Why is clean water so important? Fresh water is super rare, kind of like finding a superhero in your school cafeteria. Most of Earth's water is locked away in glaciers, leaving only a tiny fraction for us to drink, grow food, and keep ecosystems healthy. Unfortunately, this precious resource is getting dirty from things like factory waste, fertilizers, and even leftover yard cleanup.

How can we fight back? Scientists use special tools to monitor water quality, like detectives looking for clues. But these tools are often bulky and slow, missing the sneaky polluters hiding in between checks.

This is where YOU come in! We're developing a cool, miniaturized monitoring system called GatorByte. Think of it as a tiny, high-tech detective that can travel freely through rivers and streams. GatorByte uses sensors to measure water quality and pinpoint exactly where pollution is entering the water.



## Celebrating Culture Through Food: Florida Heritage Food Crops

*Presented by Tre Easterly, Sarah Cervone, Cassie Goff, UF/IFAS Agricultural Education and Communication*

Come explore the link between food and culture with this opportunity to eat new foods, learn about crops that are being grown in Florida, and examine the opportunities to market crops in new and innovative ways. Come experience culturally important foods for African, Asian, Latin American, and European cultures. This workshop includes trying new foods and learning about crops you likely have not seen before.

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## Discovering Cancer Mutations

*Presented by Madison Carelock, UF Health Cancer Center*

The University of Florida Health Cancer Center Discovery program will encompass cancer research from the gene level to the protein level. Students will learn about oncogenes, tumor suppressor genes, hot topics in cancer research, and different techniques used in cancer research. Students will also conduct a hands-on experiment to extract DNA.

**MUST WEAR CLOSE TOED SHOES, LONG PANTS, AND TIED BACK HAIR**

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## Dig Into AI: Unearthing Machine Learning through Root Image Labeling

*Presented by Kathryn Stofer, Jeremy Waisome, Brent Broaddus, Lisa Anthony, Tomison Obajemu, Yu-Ping Chen, & Alea Atkinson, UF Artificial Intelligence Experts*

Calling all curious minds! Have you ever wondered how computers can "learn"? This workshop digs into a type of Artificial Intelligence (AI) called machine learning that we can use to unlock the secrets of plant roots and how they grow! We are a team of engineers, computer whizzes, designers, and educators on a mission. We need your help building a program that can find plant root structures. Here's the cool part: by labeling roots in this workshop, you'll be helping a super-smart AI learn to do it automatically in the future!

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## Exploring Freshwater Ecology

*Presented by Bethan Gillett & Elizabeth Moreau, UF/IFAS School of Forest, Fisheries & Geomatic Sciences*

Join biologists from the UF School of Forest, Fisheries, and Geomatics Sciences for an exciting morning on Lake Alice! Gain hands-on experience with aquatic research and monitoring. Hop aboard the Lakewatch boats to collect water samples. Catch and learn about aquatic organisms on shore.

**MUST WEAR CLOSED TOE SHOES AND OUTDOOR CLOTHING THAT CAN GET MUDDY AND/OR WET, SUN PROTECTION (GLASSES, HAT, SUNSCREEN, ETC), TOWEL; RUBBER BOOTS, WADERS, AND POLARIZED SUNGLASSES PREFERRED IF YOU HAVE THEM.**

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## Flavor Fusion Lab

*Presented by GERALYN SACHS, SAMARA PURVIS, AMBER NORRIS, NOELLE GUAY, WENDY LYNCH, NICOLE CRAWSON, PAULA DAVIS, BREANNA WADE, UF/IFAS Extension - 4-H Youth Development*

Explore the basics of stocks and sauces. Learn how to make a basic chicken or vegetable stock and how that stock is the foundation for a mother sauce that can be used for a variety of dishes. Learn flavor components of a sauce and use your culinary skills to prepare a dish with a sauce, such as tomato-based sauce (bbq sauce or marinara), Velouté sauce makes cream of broccoli soup or base for chicken potpie.

**MUST WEAR CLOSED TOE SHOES, HAIR TIED BACK/BANDANA, NOTE FOOD ALLERGIES.**

*Florida 4-H reserves the right to modify times, locations, and other details at its discretion.*

## **NaviGATORing CALS: How to become a Gator!**

*Presented by Andrew Horvath, UF/IFAS College of Agricultural and Life Sciences & Former FL 4-H State Council President*

Explore the many major and career opportunities available through the UF College of Agricultural and Life Sciences. Learn about the admission (both freshman and transfer) process from the student and advisor perspective. Get to know the UF campus and all the things that make it special with an exciting campus scavenger hunt. You are sure to have a true collegiate experience and learn what it takes to join the Gator Nation.

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## **Making Your Life Interesting to Strangers: A Storytelling Workshop**

*Presented by Kevin McGeehan, 10-time Moth StorySlam Winner*

We all lead interesting lives. However, just because something happened in your life does not necessarily mean that it's going to be interesting to anyone else. One of the best ways to convey your thoughts and ideas is through one of the oldest forms of communication, Storytelling. Everyone can tell a story, but not a lot of people do it well.

Participants in this workshop will:

1. Understand the difference between the event of a story versus how you were affected by the event
2. Learn what to include and what not to include to keep your story tight
3. Learn how to leverage emotion to make stories more powerful
4. Understand that powerful stories don't have to be about big events

Whether you are telling a story to a roomful of people, in a job interview, or to just one person, this workshop will help you take your storytelling ability to the next level.

Kevin McGeehan is a 10-time Moth StorySlam winner, as well as the 2019 New York Moth GrandSLAM Champion. His personal stories have appeared in Men's Health Magazine. His story, "That Moment You Forget Your Phone" went viral on Facebook with 9 million views. His story, "It Matters a Great Deal" was included on the The Moth Radio Hour and in The Moth's 20th anniversary book, "All These Wonders."

For 20 years, Kevin worked as an actor, writer, and instructor for the legendary comedy theater, The Second City.

**Bring a pen and something to write on.**

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## **SciPod Stars! Podcast Production with The Streaming Science Project**

*Presented by Jamie Loizzo, Caroline Barnett, Alexis Bolger, Madison Dymont & Gabriel Spandau, UF/IFAS Agricultural Education and Communication*

Learn how to create a science communication podcast using mobile and artificial intelligence technologies. Includes how to conduct, record, and edit interviews for online audiences about agricultural and natural resources topics. We will also introduce you to The Streaming Science Project - a science communication movement at UF - and you will meet graduate students from the Department of Agricultural Education and Communication - as they help you create your podcast!

## **Team Building 101**

*Presented by Erin Mugge, UF/IFAS Extension - 4-H Youth Development*

How can you work on communication, patience, creative thinking, and positive relationships all at the same time? Team building activities! Working with others is a skill needed in everyday life, no matter what situation you are in. Learn how to facilitate and lead team-building activities while working through some challenges with your team.

**BE PREPARED TO BE OUTSIDE FOR PART OF THIS SESSION. WEAR CLOSED TOE SHOES AND BRING A WATER BOTTLE.**

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## **University 101**

*Presented by Alexandra Draper, UF/IFAS Extension - 4-H Youth Development*

Do you want a career that requires a college degree, but you're not sure what steps you need to take to reach your goal? This workshop will help you understand the state college and university system, identify schools with programs that interest you, and make smart decisions during your high school career to help you achieve your goals.

Participants will learn about different degrees, majors, course prerequisites, and admissions requirements for multiple universities and technical schools, prepare a professional resume they can use to acquire a job or internship, and practice interview skills in a mock interview.

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## **Work Ready Florida: Certify Your Future & Land Your Dream Job**

*Presented by Sarah Sarver, UF/IFAS Extension - 4-H Youth Development & Keitha Bennett, Agriculture Education Services & Technology, Inc.*

Join Work Ready Florida for an interactive workshop where you can equip yourself to earn your dream job! Discuss the ins and outs of building a tailored resume, nail job interviews through practice with silly skits, and get hands-on access to take your certification exam through AEST, Inc. Perfect for aspiring professionals ready to make the best better.

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## **Florida 4-H State Council Officer Candidates**

For those that are state officer candidates, we will be holding appointed interviews during this time.

# {Wednesday Afternoon Workshops}

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## 4-H Mock Trial Experience – Part 2

*Presented by Sarah Wolking, UF Law*

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This two-day workshop will introduce students to the exciting field of Earth and Planetary Science. Students will tour the labs in the Department of Geological Sciences and learn about the exciting research being performed here ranging from understanding sea-level and coastal change, exploration of Earth's mantle and core, to the search for life on Mars. Students will also learn some Earth Science basics and will get hands on experience running real samples in the UF Paleomagnetism Laboratory.

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#### Day 1

- Field trip around the MCS building looking for lichen, mosses, and fungi. Collect a murky water sample from Lake Alice.
- Use microscopes to observe and identify diverse types of microorganisms in a drop of water, such as bacteria, algae, protozoa, and fungi. Learn how to prepare slides, adjust magnification, and focus, and record scientific observations.
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- Examine bacterial growth from the plates inoculated with body/environmental samples (from Day 1 activities)
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- Examine food and beverage items made with microbes and visualize bacteria and molds in assorted items. You will even be able to taste fermented food products.
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### Turning Digital Design into Reality – Part 2

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## Improv! for Real Life

*Presented by Jesse Price, UF/IFAS Extension – 4-H Youth Development*

Take a break from the serious and come have fun with Improv! Youth will have the opportunity to learn about Improv and how it can be used in everyday life. We will play different games and exercises to help build improv skills, which may surprise you as being some life skills as well.

**MUST WEAR PANTS OR LEGGINGS UNDER ANY DRESSES OR SKIRTS. FLAT, COMFORTABLE SHOES ARE REQUIRED. HAIR TIES FOR LONG HAIR.**

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## Facilitation 101

*Presented by Karen Henry, Spencer Hewitt, & Katelyn Mulinix, UF/IFAS Extension – 4-H Youth Development*

Facilitation skills, increase discussion and engagement in groups, and lead teams through this interactive hands-on workshop. You'll have the opportunity to learn different facilitation techniques and practice your skills.

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## Agri-Tech Solutions: Exploring a Sweet Solution for Sustainable Strawberry Production

*Presented by Tre Easterly, Ian Small, Sheeja George, Sarah Hensley, Bill Eisenstad, Mary McKeller, Brantley Spakes-Richter, Sebastian Galindo, UF/IFAS Agricultural Education & Communication*

Have you ever wondered how you could use your knowledge of technology to solve some of the most complex issues surrounding agriculture? In this workshop, we will explore how we can implement technology including advanced sensors, IoT, and computer programming to solve one of the most environmentally intensive issues facing strawberry production in Florida, water usage.

**PARTICIPANTS SHOULD PLAN TO BE OUTSIDE AND WILL NEED TO DRESS ACCORDINGLY. THEY MAY ALSO BE EXPOSED TO IRRIGATION SYSTEMS AND MAY GET WET OR NEED TO GET IN FIELDS WITH WET SOIL.**

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## Cultivating Connections, Harvesting Experiences: Event Planning in Agriculture & Natural Resources

*Presented by Becky Cook & Becky Raulerson, UF/IFAS Agricultural Education & Communication*

Explore the fundamentals of organizing successful agricultural events. Travel to a local agricultural education program to learn about the facilities and resources you would use to create your own outreach event. Gain essential event planning skills and leave with the confidence to execute impactful agricultural experiences.

**BRING ANY ESSENTIALS NEEDED FOR BEING OUTSIDE (WATER BOTTLE)**

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## Exploring Veterinary Medicine

*Presented by Sally DeNotta, UF College of Veterinary Medicine*

Come join us for an afternoon at the UF College of Veterinary Medicine! This interactive day will include a session on the veterinary school requirements and admissions process, and tours of the small and large animal hospitals. The remaining time will be spent in the clinical skills laboratory with hands-on learning and live animal demonstrations.

**MUST WEAR CLOSED TOE SHOES**

## Why do People Act that Way? Understanding Differences

*Presented by Keith Diem, UF/IFAS Family, Youth and Community Sciences*

Are you sometimes puzzled, or even frustrated, because other people think and act differently than you? Besides personality differences, people exhibit diversity in cultural norms, learning styles, religion and worldview, generational differences, and more. As our country's population shifts, diversity is increasing. This workshop empowers you with ideas for understanding why other people aren't the same as you. Whether you are traveling internationally or simply working with classmates or co-workers, recognizing your own hidden biases, and developing an appreciation for the differences in others is essential for becoming a successful global citizen in a world of differences. You will receive a free individualized DiSC personality profile.

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## STEM Workshops in Agricultural and Biological Engineering (3 in 1)

*Presented by Ziyne Boz, Aditya Singh, & Ying Zhang, UF/IFAS Agricultural and Biological Engineering*

This workshop offers three exciting activities:

### **Digital Dish: Innovating Food Sustainability for Tomorrow's World**

Circular bioeconomy is an emerging concept to reduce losses and waste, improve use efficiencies, and regenerate natural resources. This workshop will introduce participants to the application of digital tools such as computer vision, Internet of Things, and digital twins in detecting important fresh produce parameters to make informed decisions on reducing food loss and waste.

### **Greenhouse Wizards: Crash Course in Climate Control of Indoor Gardens**

This workshop will introduce greenhouse climate control and management practices. A hands-on learning activity will be provided to learn about evaporative cooling in greenhouses.

### **High-Fly: Adventures in Drone Tech & Spectroscopy for Farming Innovation**

Spectroscopy is the science of utilizing measurements of light reflected off objects to understand their composition and structure. This workshop will introduce participants to the application of field and imaging spectroscopy in nutrient management of agricultural crops.

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## Work Ready Florida: Certify Your Future & Land Your Dream Job

*Presented by Sarah Sarver, UF/IFAS Extension - 4-H Youth Development & Keitha Bennett, Agriculture Education Services & Technology, Inc.*

Join Work Ready Florida for an interactive workshop where you can equip yourself to earn your dream job! Discuss the ins and outs of building a tailored resume, nail job interviews through practice with silly skirts, and get hands-on access to take your certification exam through AEST, Inc. Perfect for aspiring professionals ready to make the best better.

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## 4-HU Emcees, Current Officers, & Candidates

For those that are emcees for Youth Awards or Champions Breakfast, current state officers, or officer candidates, we will have rehearsal during this time. For those candidates that aren't elected or appointed, you will have the option to go to your assigned workshop based off your remaining choices or stay up around the Headquarters Desk.