

# {4-HU 2 YOU}

## Road Show Workshops

Members who register to attend in person event may attend as many workshop days as they prefer. Due to Covid-19, Housing and transportation are not provided in 2021.

Workshops – Saturday, July 10, 2021  
University of Florida, Straughn Professional Development Center  
2142 Shealy Drive, Gainesville, FL 32611

### Understanding Intelligent Materials - Hands on Experiments with Agricultural and Biological Engineering (ABE)

*Presented by Zhaohui Tong, Ioannis Ampatzidis, and Sigh Aditya*

This workshop will introduce students to a variety of intelligent (AI) engineering materials and ideas that help to improve agricultural and biological systems. You will get to participate in hands on experiments and activities using smart technology researched and developed at the University of Florida and learn how it is being applied in sustainable energy and environmental areas today. Thinking about engineering or technology as a career? This is for you! Be prepared to enter the lab and learn about the future of smart technology in agriculture.

**MUST WEAR CLOSED TOED SHOES**

### Bruh, Why You Bugging? It's Just Entomology!

*Presented by Dr. Rebecca Baldwin and Amy Vu*

Did you know you can have a career in public health that involves entomology? Learn all about Careers in Entomology, including public health, conservation, research, education, and management. Explore career options, research opportunities, and interact with live arthropods as you tour the #1 Entomology program in the world. Get up Close and Personal with the UF Honey bee Hive and learn about the importance of the honey bee to the food we eat. This is not recommended for members with a severe bee sting allergy. **Participants must sign a Bee Sting Waiver.**

**MUST WEAR LONG PANTS AND CLOSED TOED**

## The Diversity of Dairy

*Presented by Dr. Chris Decubellis and Dianne Spann*

Cheese, Glorious, Cheese! Dairy Cows and Dairy goats are both ruminants, produce milk, provide a product that can be used to make many delicious items. In this workshop we will explore the similarities and differences of dairy animals and their products. We will taste different milks, cheese, and products from two of the most popular dairy animals in the world – goats and cows. Join us for a cheese tasting experience as we explore the diversity of dairy! Not recommended for those with a severe milk allergy.

**MUST WEAR CLOSED TOED SHOES**

## Can Robots Run the Farm?

*Presented by Zhaohui Tong, Ioannis Ampatzidis, and Sigh Aditya*

This intelligent products and technologies workshop will introduce students to various concepts that are currently used in biological and agricultural engineering such as remote sensor and intelligent technology for Agriculture. The participant will explore how scientists are using biotechnology to improve agricultural operations; Experience hands on smart agriculture projects using robotics machinery and remote sensing technologies.

**MUST WEAR CLOSED TOED SHOES**

## Who is Robert and Why Does He Get to Make the Rules?

*Presented by Nancy Moores*

Parliamentary Procedure Made Easy for Everyday Use. Do you get lost in the rules? When do you make a motion? Move to vote? Open the floor for discussion? This workshop will have you running a meeting like a professional! Officer roles and responsibilities are covered as well as basic and intermediate actions and rules based on Robert's Rules of Order. Who says rules can't be fun?

**Workshops – Saturday, July 17, 2021**  
**Camp Cloverleaf**  
**126 Cloverleaf Road, Lake Place, FL 33852**

**Right on Target with Archery and Shotgun – 4-H Shooting Sports**

*Presented by Bill Tillett and Camp Cloverleaf Camp Staff*

Join us on the shooting range! We will review a few safety rules and then have some fun trying out different types of bows, learning all about the right way to shoot and seeing who can hit a Bull's Eye! There may be a special prize for all 4-H University participants who hit a bull's eye in Archery this weekend. After some time with the bow and arrow, you will get to try your hand at shot gun target shooting. Our Level 1 Certified Shooting Sports staff will teach you safety while letting you have some great shooting sports fun!

**MUST WEAR CLOSED TOED SHOES**

**Water Safety and Kayaking 101**

*Presented by Camp Cloverleaf Camp Staff*

Spend some time at the lakefront! Our Camp Cloverleaf staff will review and teach water safety guidelines for 4-H and when using watercrafts in general. Then, grab a life vest, hop in a Kayak, and start paddling! Enjoy your time on the water while practicing the water safety life skills.

**WATER SHOES, TOWEL, AND SWIMMING ATTIRE SUGGESTED**

**Camp Counselor Collaborations**

*Presented by Will Eubanks, Kelsey Haupt, and Jessica Cooper*

Have you considered being a Camp Counselor? Maybe you were going to be a counselor, but this year Covid-19 cancelled those plans? This workshop will help you learn more about being a camp counselor and working with kids throughout the year. We will offer ways to connect with kids, campers, and engage with other counselors. Come join us! Learn some songs, play some games, and discover how camping is the heart of 4-H!

**COMFORTABLE CLOTHING SUGGESTED**

**Workshops – Saturday, July 24, 2021**  
**Camp Timpoochee**  
**4750 Timpoochee Lane, Niceville, FL 32578**

### **Embryology – Before, during and After**

*Presented by Prudence Caskey and Mary English*

Everyone loves baby chicks! There is a lot more to having chicks than just picking some up at the local feed store. Learn what you need to get set up successfully, learn when and how to use an incubator, and how to candle an egg to check progress. Before those eggs hatch, it's time to set up a brooder and grow out healthy baby chicks. We will talk about all the steps from hatching to putting your new chickens in an outside coop. Learn several ways to determine rooster or hen besides just waiting for them to crow!

### **What it means to be a Marine Scientist**

*Presented by Clair Norden and Camp Timpoochee Staff*

We are all familiar with many of the oceans most charismatic creatures, dolphins, turtles, whales, sharks and so many more. However, being a marine scientist means more than learning about all our favorite animals! Marine scientists are experts in geology, chemistry, physics, and biology. Join us as we discover real-world marine science and perform experiments in all four factions of oceanography. Along with the science, at this workshop we will also explore the wide variety of careers the ocean has to offer! Whether you are considering a career in an ocean related field or just love a good trip to the beach, this class is for you.

### **The Art of Cheese Making**

*Presented by Marie Arick*

In this workshop we will learn about how cheese is made from raw milk to pasteurization to adding cultures to make cheese. One of the easiest and tastiest cheeses to make is a homemade Mozzarella Cheese. You will have an opportunity to make your own mozzarella cheese and use it in a fun recipe! This is a fun and easy way to impress your friends and family the next time you cook dinner! You will be working in the Camp Timpoochee commercial kitchen. Not recommended for those with severe milk allergy.

### **CLOSED TOE SHOES ARE REQUIRED**

### **Who's Got the Meats? We do and We Are Grilling Them Up!**

*Presented by Ronnie Cowan, Okaloosa County Extension Director and 4-H Agent*

Knowing how to select and grill meat is a life skill that you will use your entire life. Join us at this workshop to learn about meat quality and cuts. We will show you how to select the right meat for your needs. Then get ready to "Light your Fire!" We will show you how to safely light a charcoal grill using a chimney method. We will practice safe grilling techniques and share some recipes as you cook a delicious meal on your grill. All participants will receive a meat thermometer to take home.

### **NO LOOSE CLOTHING AND CLOSED TOE SHOES ARE REQUIRED**

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

# {Online Workshops}

**Tuesday, July 27<sup>th</sup> and Wednesday, July 28<sup>th</sup>**

## **Exploring Veterinary Medicine**

*Presented by Dr. Sally Anne DeNotta*

Come join us for an afternoon at the UF College of Veterinary Medicine! This interactive program will include information on the veterinary school requirements and admissions process, as well virtual tours of the small and large animal hospitals. The remaining time will be split into learning about different areas of veterinary medicine.

## **Discovering Cancer Mutations**

*Presented by Rachel Newsome, Qin Yu, and Greg Takacs from the 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 and understand how scientists use bio-informatics tools in their research. Students will learn about oncogenes, tumor suppressor genes, hot topics in cancer research, and different techniques used in cancer research. Participants will conduct a hands-on experiment to extract DNA. Experiment Supplies will be mailed to your home with the exception of one item... you will need a banana.

## **NaviGATORing CALS: College of Agricultural and Life Sciences**

*Presented by College of Agricultural and Life Sciences Ambassadors*

Participants in this workshop will have the opportunity to explore the 23 majors and opportunities the College of Agricultural and Life Sciences has to offer. The session is presented from the perspective of current CALS students and ambassadors. You are sure to have a collegiate experience and learn what it takes to join the Gator Nation.

## **Living on My Own**

*Presented by Mary Lee Sale*

This workshop will help youth understand financial management topics, including budgeting, check writing, balancing a checkbook, and credit. Youth will also participate in a "Living on My Own" simulation where they will experience what it is like to earn money and manage that money to pay for expenses.

## **Wheeling and Dealing: Buying Your New Ride**

*Presented by Beth Kerr, Katherine Allen, Kim Griffin*

Learn all about buying your first car. This workshop will take you through the process of researching and evaluating vehicle choices, price negotiation, and all the steps involved in making a wise vehicle purchase. In addition to the car buying experience, we will review possible careers associated with the automobile industry such as mechanic, salesman, detailer, loan officer, and insurance agent.

## **Real Colors – Finding your Personality Style**

*Presented by Heather Janney, Niki Crawson, Halie Corbitt, and Daniel Gonzalez*

This workshop is a 2-part workshop offered in the morning and afternoon. If you select this workshop, be prepared to attend both sessions. During these sessions you will discover your personal strengths, learn to recognize the strengths of others, learn to build instant rapport with people, learn the most effective methods of speaking to different people learn to hear what others are really saying, discover the different ways individuals process information, learn to appreciate and value the viewpoints of others, and how to apply Real Colors Principles in all areas of your life. This is a fun, fast, and interactive program where you will get to learn your own temperament or "color" and that of others.

## **Smartin' in the Environment Using Sensors**

*Presented by Haimanote Bayabil, Eban Bean, Sandra Guzman, Younggu Her, Sanjay Shukla, Vivek Sharma, Ziwen Yu*

This workshop introduces you to cutting edge technologies available for environmental water resource engineering such as sensors and data visualization techniques including: 1) The use of sensors to measure water quality and quantity for agricultural and natural resources management and 2) data presentation technologies for environmental data. See how we use this technology to gather data and how we use the data to make decision to develop a smart and sustained environment.

## **Exploring Careers Based on Personality Type**

*Presented by Shawn Jackson and Beth Moore*

Still not sure what you want to be when you grow up? Join the club! Your personality type may help you identify some possible career paths. We will take a personality survey to determine your personality type. Then we will look at careers that align well with that style. We will check out some famous people with the same personality type as you... looking at similarities and differences and maybe some common talents. At the end of the workshop, you might have a few new careers to explore.