

**North Carolina
Agricultural Education**

**Professional Development
Workshop Series
Summer 2022**

Coordinated by the
Agricultural Education Team
at
NC State University

North Carolina Agricultural Education Professional Development Workshop Series Summer 2022

Introduction

The North Carolina Agricultural Education Professional Development Workshop Series offers in-service education opportunities this summer, plus workshops offered through various partners, state agencies, universities, and community colleges. These workshops are designed to make you a more effective teacher and manager of a successful agricultural education program. However, these workshops will only be successful if you choose to participate. You are encouraged to make plans to participate in these professional development workshops this summer.

Process

As you review these workshop opportunities, you are strongly encouraged to visit with your principal and Career and Technical Education Director. Their involvement and support of your professional development activities is critical. They are welcome to register and participate as well.

It is critical that you register through the online form by May 31 so workshop presenters can be confirmed for the workshops. All workshops will be filled on a first-come, first-served basis. **Any workshops that are not sufficiently filled by May 31 will be canceled.**

The online registration form can be found by [clicking here](#).

You will receive an email from a member of the North Carolina Agricultural Education State Staff to confirm your seat in the workshop. Once you are confirmed for the workshop, you will be responsible for the registration fee. Workshop presenters put valuable time and resources in preparing for the workshops and gathering materials based on the number of participants registered.

Checks will be collected on the first day of the workshop you are attending, unless otherwise noted. Please read the workshop descriptions carefully for information on whom to make the check payable. Also, please be aware that if you sign up for a workshop and do not attend, you will still be responsible for the fee due to the cost associated with conducting the workshop.

If your school system will not accept workshop credit of less than 1 full CEU unit, regional coordinators can combine all workshops together on one CEU credit form with one total CEU credit for the combined workshops. This can be done on an individual basis by contacting your regional coordinator.

All questions regarding workshops should be sent to the contact person for each workshop.

Title: Initial NC Pesticide License Training and Exam
Date: Various dates and locations across NC
Instructor: NCDA personnel
Contact: NCDA (<http://www.ncagr.gov/SPCAP/pesticides/license.htm>)
Description: If you need to receive your initial NC Pesticide Applicators License, this workshop will provide you with training on the best use of pesticides and prepare you for the NCDA Pesticide Exam. These workshops are offered by NCDA. Additional Info can be found here: <http://www.ncagr.gov/SPCAP/pesticides/exam.htm>
Fee: Fees vary, see website for specific details

Title: Poultry Primer
Date: June 13 and June 14, 2022; 9:00am – 4:00pm
Location: University of Mount Olive's Kornegay Student Farm, 408 Garner Chapel Rd., Mount Olive, NC 28365
Instructor: Dr. Heather Glennon, Associate Professor of Animal Science
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: Don't stay cooped up this summer. Flock to the University of Mount Olive's farm to learn about the principles of poultry production and the numerous career opportunities in the field. This 2-day workshop will offer a tract for agricultural educators and a tract for high school students. University faculty, extension specialists, and poultry integrators will discuss nutrition, reproduction, disease prevention, best management practices, and meat processing through hands-on activities and field trips.
CEU: 1.4
Class Size: Minimum 10 - Maximum 20 participants
Fee: Free

Title: Managing FFA Livestock Show Teams
Date: June 14, 2022; 9:00am – 4:00pm
Location: Corinth Holders High School
Instructor: Ashley Holloman, Agriculture Teacher
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: Whether you have trained a Livestock Show Team before or are interested in starting one at your chapter, this workshop is designed to provide the basics of managing an FFA Livestock Show Team. Topics will include getting started with a show team such as finding animals, available shows in the state, a timeline of a show team throughout the year, show team member contracts, show team finances, and barn management. The workshop will also focus on how to incorporate different skills and activities that can be used for hands-on learning in your classroom while also operating a show team. You will be given resources and hands-on instruction on the best practices and techniques used to properly select animals, record keeping, and best management practices for your species. This is a great opportunity to learn more about showing livestock and gain some valuable materials, lessons, and tips. Discussion will also include having a show team on your school site versus off-site in the community.
CEU: 0.7
Class Size: Minimum 5 participants
Fee: \$20.00; Lunch Included. Make checks payable to Corinth Holders FFA Alumni. Address for checks: Corinth Holders High School, Attention: Ashley Holloman, 6875 Applewhite Road, Wendell, NC 27569.

Title: **Plant Sales and Greenhouse Maintenance as a Teaching Tool**
Date: June 14, 2022; 9:00am – 4:00pm
Location: Corinth Holders High School
Instructor: Matthew Barnhill, Agriculture Teacher
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: Ever struggle with how you can take your plant sale to the next level? Maybe you haven't started a plant sale or you just need a refresher. This workshop will focus on two components: planning and implementing a manageable plant sale and greenhouse maintenance. A plant sale can seem like a large and daunting task. During this workshop we will create a timeline for planning and implementation of a successful plant sale. Greenhouse maintenance can be a dreaded task for any ag teacher. Our final objective of the day will be to explore how we can turn greenhouse maintenance into a teaching tool and engage students in the whole operation.
CEU: 0.7
Class Size: Minimum 10 - Maximum 30 participants
Fee: \$20.00; Lunch Included. Make checks payable to Corinth Holders FFA Alumni. Address for checks: Corinth Holders High School, Attention: Matthew Barnhill, 6875 Applewhite Road, Wendell, NC 27569.

Title: **Horticulture Train the Teacher**
Date: June 14, 2022, 9:00am - 8:00pm, June 15, 2022, 9:00am - 5:00pm, and June 16, 2022, 9:00am - 12:00pm
Location: NC State University, Department of Horticulture Sciences
Instructor: Dr. Helen Kraus, Associate Professor and Undergraduate Programs Director
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: After an unscheduled hiatus due to COVID, we are thrilled to be able to offer this training again. Come and learn some practical ways that you can share the wonderful news of bugs and worms with your classes. Topics include: entomology, integrated pest management, pollinators, composting, vermicomposting, and tours of JC Raulston Arboretum.
CEU: 2.2
Class Size: Minimum 5 - Maximum 20 participants
Fee: \$85; Make checks payable to NC State University. Address for Checks: Department of Horticultural Science, Attention: Dr. Helen Kraus, Campus Box 7609, Raleigh, NC 27695-7609

Title: **Urban Forestry and Sustainable Agriculture**
Date: June 27, June 28, and June 29, 2022; 9:00am – 3:00pm
Location: Northern High School, 117 Tom Wilkinson Rd., Durham NC 27712
Instructor: Abigail Thompson, Agriculture Teacher; Industry Professionals
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: Educators will dive into an immersive experience touring different locations around Durham focusing on different curriculum aspects each day. June 27 will be focused on forestry with a site visit to an urban forest with a local forester, Justin Bennett. June 28 will be a day packed full of history and sustainable practices in Durham County. We will visit Historic Stagville and work with the Nature Land Conservancy. June 29 will focus on water quality and a visit to the Eno River. Come prepared to get wet and dive into all aspects of agriculture, sustainability, forestry, and history.

CEU: 1.8
Class Size: Minimum 10 - Maximum 25 participants
Fee: \$20 to cover transportation each day; Lunch will be Dutch each day; Make checks payable to: Northern FFA, Address for checks: Northern High School, Attention: Abigail Thompson, 117 Tom Wilkinson Rd, Durham, NC 27712

Title: **Managing Livestock on Campus and FFA Show Teams**
Date: June 28, 2022; 9:00am – 4:00pm
Location: Rosman High School, 749 Pickens Highway Rosman, NC 28772
Instructor: Heather McNeely and Justin Gillespie, Agriculture Teachers
Contact: Andy VonCanon, Western Region Agricultural Education Coordinator
Description: Livestock showing can be a center point for any agricultural education program. The importance of a well-planned show season can make a life changing difference for your students and keep the ag teacher sane. Participants in this workshop will visit both North Buncombe and Rosman High School farm facilities as well as individual barns to see setup options and necessary equipment. Participants will gain strategies for developing a plan for purchasing show stock, feed schedules, developing and using parent/student contracts, show day organization, etc. A student perspective will be shared as well.

CEU: 0.7
Class Size: Minimum 5 - Maximum 20 participants
Fee: No fee; Lunch will be Dutch at a local eatery.

Title: **Aquaculture for Beginners**
Date: June 28, 2022; 9:00am – 4:00pm
Location: South Brunswick High School, 280 Cougar Rd., Southport, NC 28461
Instructor: Jennifer Lough, Agriculture Teacher
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: Learn about how to offer this exciting course into your agriculture program. Basics of aquaculture, water quality, hands-on activities, and more. Build your own recirculating aquarium that could easily be built with your students to provide hands on learning in your classroom.

CEU: 0.7
Class Size: Minimum 5 - Maximum 30 participants
Fee: \$40 includes supplies and lunch; Make checks payable to: South Brunswick FFA, Address for checks: South Brunswick High School, Attention: Jennifer Lough, 280 Cougar Rd., Southport, NC 28461

Title: **Tour of Ag Operations**
Date: June 28, 2022; 8:00am – 4:00pm
Location: University of Mount Olive, Raper Hall, Agribusiness Center; 634 Henderson St., Mount Olive, NC 28365
Instructor: Edward Olive, Director, UMO Agribusiness Center
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: This workshop is designed as a tour for attendees to learn more about the diverse agriculture production and processing industry in eastern North Carolina. Various production and processing facilities will be visited and information about each will be provided. Teachers will take away the most current industry examples to use in their discussions and lessons in the classroom.
CEU: 0.8
Class Size: Minimum 10 - Maximum 14 participants
Fee: No cost; lunch provided

Title: **Sustainable Food Production and Sierra Nevada**
Date: June 29, 2022; 8:30am – 4:30pm
Location: West Henderson High School, 3600 Haywood Rd. Hendersonville, NC 28791
Instructor: Greg Carter, Mushroom producer; Paul Shoemaker, Tomato producer
Contact: Andy VonCanon, Western Region Agricultural Education Coordinator
Description: Explore the world of sustainable food production and get some insights into techniques to share with your students. Paul Shoemaker will share his perspective on the successful marketing of local produce to restaurants and other markets and address the best practices he uses in his vegetable and tomato production enterprise. We will then tour the gardens and eat lunch at the Sierra Nevada Taproom where we will learn about their commitment to local foods and utilizing local producers to fulfill this mission. After lunch, Greg Carter will take you on a tour of his unique and sustainable farm, where he will teach you the science of cultivating mushrooms and the steps needed to successfully produce mushrooms via an inoculated log.
CEU: 0.8
Class Size: Minimum 5 - Maximum 30 participants
Fee: \$30 - payable to Deep Wood Mushrooms, lunch at Sierra Nevada will be Dutch.

Title: **Floral Design in the Classroom (same workshop offered each time)**
Date: June 29, 2022; 10:00am - 12:00pm
June 29, 2022; 2:00pm - 4:00pm
June 30, 2022; 10:00am - 12:00pm
June 30, 2022; 2:00pm - 4:00pm
Location: University of Mount Olive, Raper Hall, Agribusiness Center; 634 Henderson St., Mount Olive, NC 28365
Instructor: Dr. Jennifer Bradley, Assistant Professor - Plant Science
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: This workshop is designed as a hands-on lesson in floral design. Participants will learn various techniques for designing floral arrangements. Tools, supplies, and plants will be discussed for incorporating a design lesson in the classroom. Participants will create their own design in this two-hour workshop.
CEU: 0.2
Class Size: Minimum 10 - Maximum 14 participants
Fee: \$18; Mail checks to UMO Agribusiness Center, Attention: Aleza Jones, 634 Henderson Street, Mount Olive, NC 28365

Title: **Nursery Tour**
Date: July 6, 2022; 8:00am – 4:00pm
Location: University of Mount Olive, Raper Hall, Agribusiness Center; 634 Henderson St., Mount Olive, NC 28365
Instructor: Dr. Jason Davis, Assistant Dean, School of Agriculture & Biological Sciences
Tim Warren, Director of Agricultural Facilities, UMO
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: This workshop will provide participants with a greater knowledge of commercial ornamental plant production, focusing on media choices, potting techniques, propagation, and various field production techniques. Participants will see the latest production practices and speak to industry experts.
CEU: 0.8
Class Size: Minimum 8 - Maximum 14 participants
Fee: \$15 with lunch provided; Mail checks to UMO Agribusiness Center, Attention: Aleza Jones, 634 Henderson Street, Mount Olive, NC 28365

Title: **Beekeeping for Beginners**
Date: July 7, 2022; 8:00am – 4:00pm
Location: University of Mount Olive, Kornegay Student Farm; 408 Garner Chapel Rd, Mount Olive, NC 28365
Instructor: Dr. Jason Davis, Assistant Dean, School of Agriculture & Biological Sciences
Tim Warren, Director of Agricultural Facilities, UMO
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: This workshop is designed for instructors interested in gaining entry level experience in apiculture. No prior experience is necessary. Participants will learn fundamentals of hive and colony management, equipment use, diseases, insects and other information necessary to start their own colony
CEU: 0.8
Class Size: Minimum 8 - Maximum 15 participants
Fee: \$50 with lunch and textbook provided; Mail checks to UMO Agribusiness Center, Attention: Aleza Jones, 634 Henderson Street, Mount Olive, NC 28365

Title: **Greenhouse Management Online**
Date: July 8, 2022; 10:00am – 12:00pm
Location: UMO Zoom Link will be provided to participants
Instructor: Dr. Jason Davis, Assistant Dean, School of Agriculture & Biological Sciences
Dr. Stephen Edwards, Assistant Professor
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: You have a school greenhouse, so now what do you do with it? This online session will focus on ideas and practices to make your greenhouse a manageable and profitable program asset. Production practices, tricks, and tips will be shared that will add value to your students' experience in your class.
CEU: 0.2
Class Size: No limit
Fee: Free

Title: **Beekeeping Workshop**
Date: July 8, 2022; 9:00am – 3:30pm
Location: Sandhills AgInnovation Center, 1298 Crawford Road, Ellerbe, NC 28338
Instructor: David Stewart, Tammy Stewart, David Auman, Fred Cloninger, and Paige Burns - NC Certified Richmond County Beekeepers
Tammy Stewart: (910) 206-3796 tbstewart1960@yahoo.com
Contact: Joshua Bledsoe, State Agricultural Education Leader
Description: Whether you are interested in learning about honey bees or are thinking you might want to be a beekeeper, this workshop is designed to give you information and a look into the world of honey beekeeping from people with years of experience. The first half of the day will be discussion and literature on: bee anatomy; roles of the three casts of bees; what goes on in the hive; beekeeping equipment; pests/treatment; and general hive management practices. The second part of the day will be hands-on in the apiary with live honey bees. We will do a hive health check, locate the queen, see the different stages of the bee life cycle, etc. Each participant will receive a copy of the lecture notes to keep for future reference. NOTE: PPE clothing (veil, jacket, and gloves) will be provided for those not having their own. It is recommended that participants wear light colored clothing and closed toe shoes. Honey bees react negatively to some fragrances, so please do not wear perfume or cologne.
CEU: 0.6
Class Size: Minimum 10 - Maximum 25 participants
Fee: \$50 - checks payable to Tammy Stewart and collected at the workshop. Fees include lunch and materials.

Title: **Land Judging 101**
Date: July 12, 2022; 9:00am – 4:00pm
Location: Lumberton High School, 3901 Fayetteville Road, Lumberton, NC 28358
Instructor: Candace Grimsley, Lee Pittman, and Jada Jackson, Agriculture Teachers
Contact: Carmen Bracey, State FFA Coordinator
Description: Want to learn more about training a team to compete in the Land Judging CDE? Join this workshop for tips and tricks to training, practicing, and competing as well as strategies and activities to teach land judging in the classroom. We will also discuss planning and hosting regional land judging events and the benefits for students.
CEU: 0.7
Class Size: Maximum 30 participants
Fee: \$10 - checks payable to Lumberton FFA. Fees will include lunch and materials.

Title: **Pedagogical Potpourri**
Date: July 12, 2022, 9:00am – 4:00pm
Location: NC State University, 4101 Beryl Road, Raleigh NC 27606
Instructor: Misty Lambert, Joy Morgan, Travis Park, and Wendy Warner, NCSU Agricultural and Human Sciences Department
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: Reinvigorate your classroom with this workshop featuring several teaching and learning strategies and curriculum ideas that can be easily implemented. In this professional development, you will identify several strategies to promote literacy (Dr. Park), develop and practice effective approaches to giving directions (Dr. Lambert), create activities to enhance your FFA instruction (Dr. Warner), and generate new strategies for incorporating students with diverse needs into your ag program (Dr. Morgan).
CEU: 0.7
Class Size: Minimum 8 - Maximum 20 participants
Fee: \$30.00 – Lunch will be provided. Participants will receive access to electronic file resources. Please make checks payable to NC FFA Association and should be submitted on the day of the workshop.

Title: **Beekeeping Basics and Bee Products Projects**
Date: July 13, 2022, 9:00am – 5:00pm
Location: NC School for the Deaf, 517 W Fleming Dr., Morganton, NC 28655 (Northcott Building)
Instructor: Reid Ledbetter, Agriculture Teacher
Contact: Andy VonCanon, Western Region Agricultural Education Coordinator
Description: Don't worry, Bee happy. I will teach you everything you need to become a beginning beekeeper. Participants will meet professionals in the industry and discover resources that will be valuable in the classroom. A focus will be on "reliable resources" for beekeeping. Projects in the class will involve building a beehive to take to your school, honey extracting, wax candles, bee lip balm, and honey soap. In the afternoon, teachers will learn to do a hive inspection. This hands-on activity will help participants identify workers, drones, and queens, etc. Bring a suit if you have one; we will have extras if needed. Come and Bee proficient!
CEU: 0.8
Class Size: Minimum 5 - Maximum 15 participants
Fee: \$50.00 - made payable to North Carolina School for the Deaf. Lunch will be on your own at the Root and Vine with a short visit to Oak Hill Iron.

Title: **Teaching Turfgrass Tour**
Date: July 13, 2022; 9:00am – 3:00pm
Location: Avery County HS, 401 Avery Co High School Rd., Newland, NC 28657
Instructor: Dewayne Krege, Agriculture Teacher
Contact: Andy VonCanon, Western Region Agricultural Education Coordinator
Description: We will begin this workshop at ACHS and depart for Linville Golf Club and Greenleaf Services, Inc. to tour their facilities. The afternoon will be spent taking an in-depth look at the Turfgrass curriculum and how it is delivered in the horticulture program at Avery High School. We will tour the ACHS facilities and discuss Turfgrass curriculum and go over equipment. We will wrap up with a visit from Mr. Steve Peeler, a Certified Sports Turf Manager with years of experience in Major League Baseball.
CEU: 0.6
Class Size: Minimum 5 - Maximum 20 participants
Fee: No fee; lunch will be Dutch at a local eatery.

Title: **Veterinary Assisting – Start to Finish**
Date: July 13, 2022; 8:30am - 4:00pm
Location: Southern Guilford High School, 5700 Drake Rd., Greensboro, NC 27406
Instructor: Hailey Peeler, Amy Kidd, and Tasha Dawson – Agriculture Teachers
Contact: Andy VonCanon, Western Region Agricultural Education Coordinator
Description: The Veterinary Medicine industry is constantly expanding. Veterinarians and office managers are currently struggling to find Certified Veterinary Assistants in North Carolina and across the country. By offering Veterinary Assisting at the high school level, students are able to join the workforce as soon as they graduate high school. This workshop will offer details from the Southern Guilford High School Veterinary Assisting program, information from NC FFA Veterinary Assisting pioneer Amy Kidd, technical skill activities, plus the opportunity to collaborate with other veterinary assisting teachers. Veterinarians will be in attendance to answer questions from their point of view throughout the internship process. You will not want to miss this opportunity!
CEU: 0.7
Class Size: Maximum 50 participants
Fee: \$20.00 - checks payable to Southern Guilford FFA. Fee includes lunch and materials.

Title: **Teaching Plant Identification and Nursery Landscape Practicum**
Date: July 14, 2022; 8:30am - 4:00pm
Location: Southern Alamance HS, 631 Southern High School Rd., Graham, NC 27253
Instructor: Nick Anders – Agriculture Teacher; Liz Riley - Alamance CC Instructor
Contact: Andy VonCanon, Western Region Agricultural Education Coordinator
Description: This workshop will focus on strategies for teaching Plant Identification in Horticulture I and both Level II Horticulture courses. Teachers will be provided with PowerPoint and Excel templates used to teach the components of plant identification for all identified plants on the North Carolina FFA Plant Identification Base list, as well as the Floriculture and Nursery Landscape lists. During the second part of the workshop, attendees will participate in hands-on Performance Based Measurement (PBM) activities from the National Nursery Landscape Team Skills Event, i.e. paver installation, sod installation, tree planting, and plant layout.
CEU: 0.7
Class Size: Maximum 30 participants
Fee: \$20.00 - checks payable to Southern Alamance FFA. Fee includes lunch and materials.

Title: **Teaching Plant Identification**
Date: July 25 - July 26, 2022; 9:00am – 4:00pm each day
Location: University of Mount Olive, Raper Hall, Agribusiness Center; 634 Henderson St., Mount Olive, NC 28365
Instructor: Dr. Stephen Edwards, Associate Professor of Agriculture Education
Dr. Jason Davis, Assistant Dean, School of Agriculture and Biological Sciences
Dr. Jennifer Bradley, Assistant Professor of Plant Science
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: Teaching plant identification is one of the main challenges for secondary agricultural teachers. This two-day workshop will focus on how to teach students plant identification, primarily using plants found in the Horticulture I and Horticulture II classes in the official North Carolina curriculum.
CEU: 1.4
Class Size: Minimum 5 - Maximum 20 participants
Fee: \$30; lunch provided both days; Mail checks to UMO Agribusiness Center, Attention: Aleza Jones, 634 Henderson Street, Mount Olive, NC 28365

Title: **Two-Cycle Engines**
Date: July 26, 2022; 9:00am - 4:00pm
Location: Fuquay-Varina HS, 201 Bengal Blvd., Fuquay-Varina, NC 27526
Instructor: Richard Peeler, Product Specialist, Outdoor Equipment Distributors
Contact: Joshua Bledsoe, State Agricultural Education Leader
Description: This workshop is targeted to teachers who have little to no experience with two-cycle engines. The focus of this workshop will be on preventative maintenance, engine diagnostics, and include some engine tear down and rebuilding. All necessary tools will be provided.
CEU: 0.6
Class Size: Maximum 20 participants
Fee: \$0 - Lunch and snacks are on your own.

Title: **Exploring Agriculture Research and Innovations in Agriculture**
Date: July 26, 2022; 8:30am - 4:00pm
Location: Piedmont Research Station, 8530 Sherrills Ford Rd., Salisbury, NC 28147
Instructor: Research Station Staff, University Researchers
Contact: Andy VonCanon, Western Region Agricultural Education Coordinator
Description: Agriculture research and technological advancements are one of the cornerstones of agriculture education. Whether you are a new or seasoned agriculture teacher, the importance of being knowledgeable about agriculture best practices is of continued importance. Participants in this workshop will visit the Piedmont Research Station to learn best practices and gain knowledge of how to design and integrate research into your agriculture education program. Participants will gain strategies for engaging with research centers, university researchers, and industry experts while gleaning ideas on Agriscience Fair projects they can implement in their program.
CEU: 0.75
Class Size: Max 30 participants
Fee: \$15.00 - checks payable to South Rowan FFA. Fee includes lunch and refreshments.

Title: **Laparoscopic Artificial Insemination in Small Ruminants**
Date: July 27, 2022; 9:00am - 4:00pm
Location: West Rowan High School, 8050 Hwy 801, Mt. Ulla, NC 28125
Instructor: Dr. Jimmy Reber, Alex Silliman, and support staff
Contact: Andy VonCanon, Western Region Agricultural Education Coordinator
Description: Artificial Insemination has been an important component of animal breeding programs for many years. Until recently however, this animal selection tool was unavailable to small ruminants due to biological limitations. Participants in this workshop will visit West Rowan High School and other progressive agriculture production facilities to learn best practices and gain knowledge of the protocols, equipment, and drugs involved with LAP AI, semen types and procurement, and the use of BIOPRYN pregnancy testing through blood testing. Participants will start with classroom discussions, move to the school land lab to learn how to pull blood for pregnancy testing, then move to the vet clinic for a complete demonstration of the procedure.
CEU: 0.7
Class Size: Max 30 participants
Fee: \$20 - checks payable to West Rowan FFA. Lunch will be provided.

Title: **Exploring the Use of Raised Bed Gardens in Instruction**
Date: July 28, 2022; 9:00am - 4:00pm
Location: Mt. Pleasant Middle School; 466 Walker Rd., Mt. Pleasant, NC 28124
Instructor: Amy Bowman, Doug Vernon – NCSU Plants for Human Health Institute
Contact: Andy VonCanon, Western Region Agricultural Education Coordinator
Description: Having facilities for hands-on instruction and using them effectively is critical for great agricultural education instruction. Whether you are new to Ag Ed or simply want to turn over a new leaf in your approach to teaching plant sciences and related subject areas, this workshop will show the effectiveness of school gardens for making an immediate impact on your students' engagement and learning. Participants will encounter strategies for planning and design of garden spaces using both raised and in-ground beds, comparing gardening methods for instructional and production purposes, investigating incorporation of curriculum standards for ag education courses, and the potential for using the garden for SAE and community service projects.
CEU: 0.75
Class Size: Maximum 20 participants
Fee: \$15.00 - checks payable to NC FFA Association. Fee includes lunch and refreshments.

Title: **Poultry Processing Facilities**
Date: July 28, 2022, 9:00am – 4:00pm
Location: Wallace-Rose Hill High School, 602 High School Rd., Teachey, NC 28464
Instructor: Mark Stampe, Agriculture Teacher; Industry Professionals
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: Educators will tour two poultry processing facilities. One is a brand new facility and the other has been in operation for many years. Educators will see the processing from live to packaging. We will also see other aspects behind the scenes of what it takes to make a processing plant run. As a bonus, we will visit a hatchery. Lunch is included in the cost at Rose Hill Restaurant.
CEU: 0.7
Class Size: Minimum 10 - Maximum 25 participants
Fee: \$20 and includes lunch. Make checks payable to Wallace-Rose Hill FFA and mail to Wallace-Rose Hill High School, Attention: Mark Stampe, 602 High School Road, Teachey, NC 28464

Title: **Cutting Metal and Fabrication**
Date: August 2, 2022; 1:00pm – 3:00pm
Location: UMO Zoom Link will be provided to participants
Instructor: Tim Warren, Ag Mechanics Professor
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: This workshop will demonstrate multiple (at least 10) ways to cut metal and the set up and advantages/disadvantages of each for the beginning metal worker including Plasma, Oxy-fuel, Morse saw, Stihl battery saw, bandsaw, chop saw, welder, etc. If time allows, we may discuss simple bending and fabrication ideas for the welding shop.
CEU: 0.2
Class Size: No limit
Fee: Free

Title: **Beginning Welding**
Date: August 3 and August 4, 2022; 8:00am – 4:00pm
Location: Goodson and Wells Shop, UMO, 205 Bert Martin Rd., Mount Olive, NC 28365
Instructor: Tim Warren, Ag Mechanics Professor
Contact: Allison Jennings, Eastern Region Agricultural Education Coordinator
Description: This is a basic welding workshop to include safety, SMAW (stick), GMAW (MIG), GTAW (TIG) and Oxy-fuel welding and braze welding. It will be hands-on for the most part and focus on improving welding skills and how to teach students proper technique. Snacks and lunch will be provided, along with welding helmets and gloves for use. Dress to weld.
CEU: 1.6
Class Size: Minimum 5 - Maximum 12 participants
Fee: \$50; Snacks and lunch provided; Mail checks to UMO Agribusiness Center, Attention: Aleza Jones, 634 Henderson Street, Mount Olive, NC 28365

Title: **How to Teach Leadership Every Day**
Date: August 4, 2022; 9:00am – 4:00pm
Location: Mt. Zion Wesleyan Church, 222 Mt. Zion Church Rd., Thomasville, NC 27360
Instructor: Jones Loflin, Professional Speaker/Former Agriculture Teacher
Contact: Carmen Bracey, State FFA Coordinator
Description: While leadership is an integral part of the ag ed curriculum, there is so much more to being a successful leader than speaking well and demonstrating the ability to carry about a business meeting. But how do you teach the competencies of leadership when you already have so much on your plate? In this workshop, we will explore a variety of ways you can use your FFA program of activities, “micro-learning” moments, and even casual conversations to strengthen the leadership abilities of every student.
Key objectives:

- Create a better working knowledge of the practical applications of the five leadership competencies from the NC FFA Association
- Learn how to use G-R-O-W conversations to help students take their next step in leadership development
- Develop a collection of resources to use to introduce, teach, or review the five leadership competencies
- Improve your ability to have daily leadership-focused conversations with students

CEU: 0.7
Class Size: Maximum 35 participants
Fee: \$20 - checks payable to NC FFA Association. Fees will include lunch and materials.