



2022 Ohio Agricultural Education Summer Conference

A collaborative function of Team Ag Ed

June 7-9, 2022

The Ohio State University, Columbus, Ohio

Tuesday, June 7th

7:00 a.m. - 9:00 a.m.	Registration Open Coffee and water available	Nationwide & Ohio Farm Bureau 4-H Center
8:00 a.m. - 9:00 a.m.	New Attendee Coffee Hour Open to pre-service, 1st, 2nd, and 3rd year teachers and first-time conference attendees	International Room
9:00 a.m. - 4:30 p.m.	Pathway Tour Destinations	
A0 Agribusiness & Production Systems	Using Ethanol to Teach Bioproducts & Bioprocessing @POET Bioprocessing	Departs From Ohio 4-H Center at 9:00 am
A1 Industrial & Power Systems	Artificial Intelligence and Precision Agriculture Used in Today's Ohio Production Agriculture @Molly Caren Agricultural Center	Departs from Ohio 4-H Center at 8:15 am
A3 Agriculture, Food, and Natural Resources Bioscience	Using Ice Cream to Teach Food Science & Biotechnology @Jeni's Splendid Ice Creams	Departs from Ohio 4-H Center at 9:15 am
A5 Horticulture	Ohio's Apple Production: From Orchard to Table @Bachman Sunny Hill Fruit Farm	Departs from Ohio 4-H Center at 9:15 am
5:00 p.m.	Hotel Check-in Check into your hotel on your own. Hotel reservations should be made by each attendee as lodging is not included in conference registration.	
6:00 p.m. - 7:30 p.m.	Meet and Eat Dinner Excursion Meet other agriculture teachers at the restaurant on your agenda to network and enjoy dinner together. Each person is responsible for his/her transportation to and from the restaurant. <i>Dinner cost is not included in registration</i> <i>Cap 20 per restaurant</i>	El Vaquero (3230 Olentangy River Rd) Hofbrauhaus (800 Goodale Blvd.) Bravo Italian Kitchen (1803 Olentangy River Rd) Condado Taco (2977 N High St) Cap City Diner (1299 Olentangy River Rd)



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Wednesday, June 8th

7:30 a.m. - 8:15 a.m.	Registration Open Coffee and water available	Nationwide & Ohio Farm Bureau 4-H Center
8:15 a.m. - 8:45 a.m.	Welcome	4-H Center Ballroom
9:00 a.m. - 11:00 a.m. Session 1	<p><i>Professional Development Technical Sessions</i></p> <p>1) Merchandising in Global Grain Markets: Learning Through Simulation -Dr. Chad McKay & Randy Gerber, Wilmington College</p> <p>2) Gas Metal Arc Welding (GMAW) Basics - Chris Tkach, The Ohio State University</p> <p>3) Impacts of Animal Handling on Meat Quality - Dr. Lyda Garcia & Dr. Jessica Pempek, The Ohio State University</p> <p>4) Fostering Rigorous Agriscience Research Projects Through Inquiry-Based Learning - Colby Gregg & Hannah Parker, The Ohio State University</p> <p>5) A Focus on Soy, Corn, and Wheat Crop Growth & Development - Dr. Laura Lindsey & Dr. Osler Ortez, The Ohio State University</p> <p>6) How Do Soils Become Different? - Dr. Tania Burgos-Hernandez, Wilmington College & Dr. Brian Slater, The Ohio State University</p>	<p>Locations</p> <p>1) 4-H, Eastman Room (cap 30)</p> <p>2) Ag Engineering 158 (cap 20)</p> <p>3) Animal Sciences Meat Lab (cap 30)</p> <p>4) 4-H, International Room (cap 30)</p> <p>5) Howlett Hall or Waterman (Cap 25)</p> <p>6) Kottman Hall 403 (Cap 20)</p>
11:00 a.m. - 11:30 a.m.	Vendor Interaction	4-H Center Lobby
11:15 a.m. - 12:15 p.m.	Lunch	Bob Evans Auditorium, Ohio 4-H Center
12:30 p.m. - 2:30 p.m. Session 2	<p><i>Professional Development Technical Sessions</i></p> <p>1) Merchandising in Global Grain Markets: Learning Through Simulation -Dr. Chad McKay & Randy Gerber, Wilmington College</p> <p>2) Using Outdoor Power Equipment to Apply Electrical Principles and Theories- Ed Kunka, Agricultural and Heavy Equipment Instructor, Eastland-Fairfield Career & Technical Schools</p> <p>3) Livestock Feedstuffs 101: Activities to Practice Identification and Basic Diets- Dr. Ben Wenner, The Ohio State University, MacKenzie Dore, 4-H Animal Sciences, & Lizz Share-Duling, OSU Extension</p> <p>4) Sensory, Preference trends and Nutrition - A hands-on food product development workshop - Dr. Mary Kay Pohlschneider, The Ohio State University</p> <p>5) Plant Nutrients and How We Supply Them - Dr. Alex Lindsey & Dr. David Barker The Ohio State University</p> <p>6) Engaging Students in Ohio's Clean Water Research - Dr. Sakthi Kumaran, Central State University</p>	<p>Locations</p> <p>1) 4-H, Eastmans Room (cap 30)</p> <p>2) Ag Engineering 104 (cap 20)</p> <p>3) 4-H, International Room (cap 30)</p> <p>4) Parker Food Science 118 (cap 30)</p> <p>5) Howlett Hall or Waterman (cap 25)</p> <p>6) Ag Admin 211 (cap 24)</p>



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2:30 p.m. - 3:00 p.m.	Vendor Interaction Enjoy an afternoon snack while talking with vendors and reviewing their products.	4-H Center Lobby
3:15 p.m. - 4:15 p.m. Session 3	Professional Development Programming Sessions <ol style="list-style-type: none"> 1) Turning COVID Lemons into Lemonade - Dr. Amanda Bowling, The Ohio State University 2) Navigating the Vast Universe of Communication Between Students, Parentes, Teachers, and Administrators from the Perspective of a Career-Technical Education Administrator - Kevin Abt, Laurel Oaks Career Campus 3) Telling Your Program's Story - Stephanie Jolliff, Ridgemont HS 4) Establishing Leadership Culture - Training Leaders & Shaping the Ag Ed Program-Eric Heeg, Blanchester HS 5) Aligning Courses to Standards and WebXams - Jeffrey Stimmell, Big Walnut HS 6) OAAE Officer Meeting 	Locations <ol style="list-style-type: none"> 1) 4-H, International Room (cap 30) 2) 4-H, Board Room (cap 16) 3) 4-H, Gehres Room (cap 24) 4) 4-H, Eastman Room (cap 30) 5) 4-H, Multi-Media Room (cap 38) 6) 4-H, Auditorium (cap 30)
4:15 p.m.	Ohio Association of Agricultural Educators 100 year Celebration Come toast to a century of a <i>"faith born not of words but of deeds."</i> Support fellow agriculture teachers and supporters being recognized for their accomplishments. Interact with vendors while enjoying hors devours. Wrap up the evening with comedian Jay Hendren. Door prizes will be given, and a cash bar will be available. An OAAE social will follow at an off-site location.	Nationwide & Ohio Farm Bureau 4-H Center

Thursday, June 9th

8:00 a.m. - 8:45 a.m.	Registration Coffee, water, and light breakfast provided.	Nationwide & Ohio Farm Bureau 4-H Center
8:45 a.m. - 10:15 a.m.	Keynote Speaker with Breakout Sessions	Bob Evans Auditorium
10:30 a.m. - 11:30 a.m. Session 4	Professional Development Teacher Led Sessions <ol style="list-style-type: none"> 1) Incorporating and Teaching Personal Finance - Darrick Riggs, Southeastern HS 2) AET Step 1: Are you new to AET or would you like to brush up on your skills?-Jeff Karcher, Bellevue HS & and Jaime Chenevey, West Holmes HS 3) Ag Tours: Taking PD on the Road-Rachel Scior and Lisa Corcoran-DeTTY 4) Many Ways to Use Gel Beads - Rachel Sanders & Trisha Seckel, Global Impact STEM Academy 5) Hydroponics in the Lab - Meredith Wolfe, Oregon Clay HS 6) Alternative Energy Creations - Dona Rhea, Delaware Area Career Center 	Locations <ol style="list-style-type: none"> 1) 4-H, Board Room (cap 16) 2) 4-H, International Room (cap 30) 3) 4-H, Gehres Room (cap 24) 4) Ag Admin 211 (cap 24) 5) 4-H, Eastman Room (cap 30) 6) 4-H, Multi-Media Room (cap 30)



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<p>11:30 a.m. - 12:00 p.m.</p>	<p>Vendor Interaction Talk with vendors and see what they have to offer that can be used in an agricultural education program.</p>	<p>A.B. Graham Hall, Ohio 4-H Center</p>
<p>11:45 a.m. - 12:45 p.m.</p>	<p>Lunch & Ohio Association of Agricultural Educators (OAAE) Business Session</p>	<p>Bob Evans Auditorium</p>
<p>12:45 p.m. - 1:45 p.m. Session 5</p>	<p><i>Professional Development Teacher Led Sessions</i> 1) 'Ground' Yourself for a 'Shocking' Experience: Hands-on teaching of electrical power applications - Cody McClain, Marysville HS 2) AET Step 2: Do you have students with entrepreneurship SAEs but you are not comfortable enough with the Market Manager and Breeding Herd Manager to help them utilize it?: Jeff Karcher, Bellevue HS and Jaime Chenevey, West Holmes HS 3) Global Agriculture: Coffee - Shelby Dodds, Global Impact STEM Academy 4) GMOs: What do you know? A Breakout Room Experience!- Abby Campbell, Fort Frye HS 5) Habitat Management for Dummies - Joe Beringer, Miami Valley CTC & Anna Creswell, Upper Sandusky HS 6) New Teacher Success Series - Whitney Short, Ohio Department of Education & Tracy Dendinger, Southern Ohio ESC</p>	<p>Locations 1) Ag Engineering 104 (cap 20) 2) 4-H, International Room (cap 30) 3) 4-H, Gehres Room (cap 24) 4) Ag Admin 211 (cap 24) 5) 4-H, Eastman Room (cap 30) 6) 4-H, Multi-Media Room (cap 38)</p>
<p>2:00 p.m. - 3:00 p.m. Session 6</p>	<p><i>Professional Development Teacher Led Sessions</i> 1) Using Wood Lathes in the Classroom - Beginner Project - Sara Casto, Greenon HS 2) AET Step 3: Do you have students with a variety of SAEs, but you are not sure how to close out the records for a financial year?- Jeff Karcher, Bellevue HS and Jaime Chenevey, West Holmes HS 3) Are your animal health, nutrition, and diseases standards the in Plant & Animal Science Course within the A0 Pathway flatlining?: Gina Neff, Utica HS 4) Introduction to Biotechnology Skills - Rachel Sanders, Global Impact STEM Academy 5) Finding Your Way with GIS - Joe Beringer, Miami Valley Career and Technology Center 6) Pre-Service Teachers Session - Whitney Short, Ohio Department of Education & Tracy Dendinger, Southern Ohio ESC</p>	<p>Locations 1) Ag Engineering (cap 10) 2) 4-H, International Room (cap 30) 3) 4-H, Eastman Room (cap 30) 4) Ag Admin 211 (cap 24) 5) 4-H, Gehers Room (cap 24) 6) 4-H, Multi-Media Room (cap 38)</p>



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TUESDAY, JUNE 7th

Max Capacity: 50	<p><i>New Attendee Coffee Hour</i> Open to pre-service, 1st, 2nd, and 3rd year teachers and first-time conference attendees. This session is designed to help teachers attending summer conference for the first time with frequently asked questions, and overview of the conference facilities. A small group of veteran conference teachers will share their tips for a successful first agricultural education summer conference.</p>
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Tour Descriptions

<p>A0 Agribusiness & Production Systems</p> <p>Max Capacity: 30</p>	<p><i>Using Ethanol to Teach Bioproducts & Bioprocessing</i> Start the day with a tour of POET, a bioprocessing plant that produces ethanol. Learn more about the process from corn to ethanol and gain real-world knowledge of ethanol production. Leave POET to head to Delaware Area Career Center, where instructors from Education Projects will lead attendees in a lab making ethanol. Attendees will take home lessons and labs to implement in the classroom related to corn production and ethanol processing.</p>
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<p>A1 Industrial & Power Systems</p> <p>Max Capacity: 24</p>	<p><i>Artificial Intelligence and Precision Agriculture in Production Agriculture</i> Join the Department of Food, Agricultural, and Biological Engineering for a hands-on experience at Molly Caren Agricultural Center. Attendees will rotate through six different stations where they will learn about and test the latest technologies currently being used in production agriculture. Stations include drones, autonomous ATVs, soil sampling, and more.</p>
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<p>A3 Agriculture, Food, and Natural Resources Bioscience</p> <p>Max Capacity: 30</p>	<p><i>Using Ice Cream to Teach Food Science & Biotechnology</i> Begin the day with a tour of Jeni's Ice Cream corporate offices and hear about their Research & Development department. In the afternoon, attendees will participate in several hands-on labs involving ice cream. Labs will range in beginner level to advanced level so that all students may benefit. Attendees will leave this tour with labs to implement and the knowledge of industry practices that relate to the labs.</p>
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<p>A5 Horticulture</p> <p>Max Capacity: 30</p>	<p><i>Ohio's Apple Production: From Orchard to Table</i> Tour a fourth generation apple orchard in Ohio and learn more about the apple growing process, harvest, and packing house. In the afternoon, attendees will return to the OSU campus to learn horticulture practices through hands-on labs at the Waterman facilities. The techniques learned will be directly applicable to classroom labs and instruction.</p>
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WEDNESDAY, JUNE 8th

Session Descriptions

<p>9:00 a.m. - 11:00 a.m.</p> <p>Session 1</p>	<p><i>Professional Development Technical Sessions</i></p> <p>A0) Merchandising in Global Grain Markets: Learning through Simulation -Dr. Chad McKay & Randy Gerber, Wilmington College Learn a fun exercise in Real World Grain marketing that can be used in the classroom and to prepare your grain merchandising team to problem solve through the complex changes in today's grain markets.</p> <p>A1) GMAW Basics - Chris Tkach, The Ohio State University Learn from professionals about GMAW basics, gas shielding, methods of transfer, and more. You will leave the session with a basic understanding of these topics, and will also have the opportunity to view demonstrations and practice the methods covered. A variety of welders will be available for practice, including a robotic welder.</p> <p>A2) Impacts of Animal Handling on Meat Quality - Dr. Lyda Garcia & Dr. Jessica Pempek, The Ohio State University When assessing a dollar value of meat products, the quality of meat is significantly a contributing factor. Functional properties, such as muscle pH, color and tenderness, are critical to the overall quality. Animals subjected to pre-slaughter stress (i.e. handling) can, and will, result in a discounted value due to lower meat quality which then leaves the meat processor to deal with. Join us to learn more of the impacts of animal handling on meat quality and what we can do to avoid quality defects.</p> <p>A3) Fostering Rigorous Agriscience Research Projects Through Inquiry-Based Learning - Colby Gregg & Hannah Parker, The Ohio State University You will go through the process of facilitating agriscience projects with your students. Diving deeper into inquiry-based learning has transferable skills to student projects that can lead to increased rigor within the agriscience classroom, provide alternative opportunities for student SAEs, and potentially foster participation in agriscience fairs. In this session you will work to identify the hurdles faced in teaching student-led inquiry projects to individual students or entire classrooms. Emphasis will be placed on the "pre-work" to the agriscience project - the problem, literature review, research design, and the "post-work" of formulating discussions that weave together both student findings and existing knowledge.</p>	<p>Max Capacity 30</p> <p>Max Capacity 20</p> <p>Max Capacity 30</p> <p>Max Capacity 30</p>
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	<p>A3) Sensory, Preference trends and Nutrition – A hands-on food product development workshop- Dr. Mary Kay Pohlschneider, The Ohio State University In this session participants will work through the competencies for product development. There will be an opportunity to learn the basics of food product sensory design and practice. We will discuss how consumer preferences and trends in the marketplace create opportunities for product development. No product development discussion is complete without a look at product labels and how the information found there is calculated.</p> <p>A5) Plant Nutrients and How We Supply Them - Dr. Alex Lindsey & Dr. David Barker The Ohio State University Plants are made mostly of carbon, hydrogen, and oxygen, but mineral nutrients (4% of biomass on average) are vital to their growth, development, and production of yield. In this workshop, connect how the chemistry of minerals connects to their function in plants, how we supply the mineral nutrients to plants with fertilizer choices, and how cycling/availability of nutrients can be affected by their environment.</p> <p>A6) Engaging Students in Ohio’s Clean Water Research- Dr. Sakthi Kumaran, Central State University Achieving the twin goal of sustaining agricultural productivity while maintaining environmental quality has never been more important than now in Ohio. Producers, federal and state agencies and other stakeholders together are making considerable efforts to achieve these goals at the state level. You will learn relevant background, hands-on activities, and suggested Supervised Agricultural Experiences along with a list of materials, supplies and equipment available for secondary Agricultural Education students to develop their own research projects in the area of water quality. The goal of the session is for you to take away ideas for engaging students in this important area of study.</p>	<p>Max Capacity 30</p> <p>Max Capacity 25</p> <p>Max Capacity 24</p>
<p>3:15 p.m.-4:15 p.m.</p> <p>Session 3</p>	<p><i>Professional Development Programming Sessions</i></p> <p>1) Turning COVID Lemons into Lemonade - Dr. Amanda Bowling, The Ohio State University Teaching through the COVID pandemic provided us with some bitter, but also sweet lessons. This professional development event will focus on how we can incorporate what we learned into applicable actions that will refresh your personal motivation, programs, and work-life balance.</p>	<p>Max Capacity 30</p>

	<p>2) Navigating the Vast Universe of Communication Between Students, Parents, Teachers, and Administrators from the Perspective of a Career-Technical Education Administrator - Kevin Abt, Laurel Oaks Career Campus</p> <p>From chapter activity planning, to traveling with students, take a look at best practices for navigating how to communicate with all your chapters stakeholders and gain control of communicating</p>	<p>Max Capacity 16</p>
	<p>3) Telling Your Program's Story - Stephanie Jolliff, Ridgemont HS</p> <p>Telling our chapter, student, and program's story can be daunting and challenging. During this session you will walk away with strategies to share the scoop on your program's story; create visually appealing snapshots of your student's work; and brand marketing opportunities for your three-circle model.</p>	<p>Max Capacity 24</p>
	<p>4) Establishing Leadership Culture - Training Leaders & Shaping the Ag Ed Program - Eric Heeg, Blanchester HS</p> <p>There are countless ways to define "leadership". What is the leadership culture within your program? Would you like to change or improve it? There are two cultures: one you can control and one you can't. This workshop aims to take a glimpse at examples of organizational structure and accountability within officer teams and the impact they have on program effectiveness.</p>	<p>Max Capacity 30</p>
	<p>5) Aligning Courses to Standards and Webxams - Jeffrey Stimmell, Big Walnut HS</p> <p>There are so many documents to keep track of with our agricultural education courses - WebXam blueprints, course standards outlines, outlines with suggested units, WebXam reports and more. How can we make all of these documents work together? In this session, we will walk through course alignment using these documents to explore how to integrate existing content, projects and labs into Ohio's course framework.</p>	<p>Max Capacity 38</p>
	<p>6) OAAE Officer Meeting - open to OAAE officers only</p>	<p>Max Capacity 30</p>



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THURSDAY, JUNE 9th
Session Descriptions

<p>10:30 a.m. -11:30 a.m.</p> <p>Session 4</p>	<p><i>Professional Development Teacher Led Sessions</i></p> <p>1) Incorporating and Teaching Personal Finance - Darrick Riggs, Southeastern HS This session will involve some basic concepts for instruction on teaching personal finance as an outright course or incorporated within an ag business management course. It will also review ODE information, units and details for meeting financial literacy requirements towards graduation and review several platforms for instruction (such as Ramsey Solutions, Next Gen Personal Finance and Intuit). A Google Folder will also be shared that has many resources, Google Form assignments and assessments and other valuable items for teachers.</p> <p>2) AET Step 1: Are you new to AET or would you like to brush up on your skills?-Jeff Karcher. Bellevue HS and Jaime Chenevey, West Holmes HS During this session we will be engaging in discussion on how to properly set up AET records using the Project/Experience Manager. We will also cover how to create a solid plan and proper budget for your students' SAEs. We will end the session with a discussion on creating "outside-of-the-box" SAEs for our students.</p> <p>3) Ag Tours: Taking Professional Development on the Road-Rachel Scior and Lisa Corcoran-DeTTY Learn about how to make professional development at the local level enjoyable! In this session we will explore how Pickaway Ross Ag satellite instructors hosted professional development events for each other to collaborate and develop skills in welding, food science, electrical, plumbing, woodworking and more. This session will also focus on collaborating with career center administration to increase culture among staff members.</p> <p>4) Many Ways to Use Gel Beads - Rachel Sanders & Trisha Seckel, Global Impact STEM Academy Drop, Drop,...learn how to make algae beads to investigate the rate of photosynthesis and cellular respiration in an interactive way with students. Also, learn how to adapt this activity to fit middle school and high school to cover topics in Food Science, Animal/Plant Science or as an outreach activity.</p>	<p>Max Capacity 16</p> <p>Max Capacity 30</p> <p>Max Capacity 24</p> <p>Max Capacity 24</p>
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	<p>5) Hydroponics in the Lab - Meredith Wolfe, Oregon Clay HS Teach plant science but don't know how to show students the actual application in a real world setting? Hydroponics could be your answer! At Oregon Clay, hydroponic Grow Towers are used to grow crops for use in the culinary career and tech program, teach nutrient management, germination, and more. The purpose of the workshop is to explore how hydroponics can be used in any Ag Ed classroom or lab, setup, ideal plants, maintenance and extensions related to hydroponics and maybe even extend into aquaponics.</p> <p>6) Alternative Energy Creations - Dona Rhea, Delaware Area Career Center Come create alternative energies in this session. We will have photovoltaic cells to power motors and show you the making of biodiesel. Additionally, hands-on lessons and a list of guest speakers related to energy will be provided.</p>	<p>Max Capacity 30</p> <p>Max Capacity 30</p>
<p>12:45 p.m. - 1:45 p.m.</p> <p>Session 5</p>	<p><i>Professional Development Teacher Led Sessions</i></p> <p>1) 'Ground' Yourself for a 'Shocking' Experience: Hands-on teaching of electrical power applications - Cody McClain, Marysville HS Ground Yourself! This will be a shocking experience! This session will focus on the concepts of teaching electrical power in agricultural and environmental systems. The session will include topics on electrical boards for teaching series and parallel circuits, drawing and interpreting schematics, and trailer wiring and installation. Participants will engage in hands-on learning applying the principles of electrical wiring and power.</p> <p>2) AET Step 2: Do you have students with entrepreneurship SAEs but you are not comfortable enough with the Market Manager and Breeding Herd Manager to help them utilize it? - Jeff Karcher, Bellevue HS and Jaime Chenevey, West Holmes HS This session will include how to purchase animals, keep track of management records (i.e. medications, weight checks, breeding, etc.), manage offspring, make transfers between sets of records, and help prepare the teacher to better assist students with their record keeping utilizing the Market Manager and Breeding Herd Manager.</p> <p>3) Global Agriculture: Coffee - Shelby Dodds, Global Impact STEM Academy Exploring the world of Agriculture through food, animals, and products. It's important to embrace cultures and activities from other areas of the world. So get your creativity on as we explore the caffeine arts of agriculture.</p>	<p>Max Capacity 20</p> <p>Max Capacity 30</p> <p>Max Capacity 24</p>

	<p>4) GMOs: What do you know? A Breakout Room Experience!- Abby Campbell, Fort Frye HS Breakout rooms are all the rage - combine this problem-based learning strategy with valuable content about GMOs in your classroom! Objectives include GMO labeling, the science behind GMOs and DNA, and public perceptions. Teachers will participate in this physical and low-cost breakout room that also includes a virtual version. Participants will leave with everything they need to provide this breakout room to their students.</p> <p>5) Habitat Management for Dummies - Joe Beringer, Miami Valley CTC & Anna Creswell, Upper Sandusky HS Learn some simple (and a few involved) ways you can incorporate habitat management into your classroom teaching and involve students in hand-on ways they can improve habitat around your school or neighborhood. We will look at setting up bluebird trails, managing invasive species, constructing brush piles, conducting controlled burns, doing edge feathering, and putting in pollinator plantings.</p> <p>6) New Teacher Success Series - Whitney Short, ODE & Tracy Dendinger, Southern Ohio ESC This session is encouraged for all first, second, and third year teachers, as well as recent Agricultural Education graduates. Highlights of the conference will be shared, as well as practical tips to implement what was learned throughout the summer in preparation for the new school year.</p>	<p>Max Capacity 24</p> <p>Max Capacity 30</p> <p>Max Capacity 38</p>
<p>2:00 p.m. - 3:00 p.m.</p> <p>Session 6</p>	<p><i>Professional Development Teacher Led Sessions</i></p> <p>1) Using Wood Lathes in the Classroom - Beginner Project - Sara Casto, Greenon HS Learn how to use a wood lathe for a simple beginning Ag Project. Each participant will make their own Ink Pen using a wood lathe.</p> <p>2) AET Step 3: Do you have students with a variety of SAEs, but you are not sure how to close out the records for a financial year?- Jeff Karcher, Bellevue HS and Jaime Chenevey, West Holmes HS During this session we will be discussing how to create a proper scope (annual review), record current inventory, complete usage of capital items, and reflect on the resulting skills acquired through a student's SAE.</p>	<p>Max Capacity 10</p> <p>Max Capacity 30</p>

	<p>3) Are your animal health, nutrition, and diseases standards the in Plant & Animal Science Course within the A0 Pathway flatlining? - Gina Neff, Utica HS Examine a disease transmission lab and how it can be prescribed in your classroom with household items. After that, bring your best practices, ideas, labs, or lessons. Together we will chart some lessons to help you teach the Plant & Animal Science standards: 2.1 Nutrition, 2.4 Recognizing Diseases & Disorders, and 2.5 Animal Health. Walk away with a treatment plan for the next school year!</p>	<p>Max Capacity 30</p>
	<p>4) Introduction to Biotechnology Skills - Rachel Sanders, Global Impact STEM Academy In this hands-on session, you will be presented with various ways to introduce tools that are used in the classroom to explore biotechnology skills, such as paint by pipette to practice micropipetting skills, and more.</p>	<p>Max Capacity 24</p>
	<p>5) Finding Your Way with GIS - Joe Beringer, Miami Valley CTC Learn some basics on incorporating GPS/GIS technology into your natural resource management class. We will look at hands-on activities with GPS units, using ARCGIS software, and share long term partner projects with students and the Miami County Soil and Water Conservation District.</p>	<p>Max Capacity 24</p>
	<p>6) Pre-Service Teachers Session - Whitney Short, ODE & Tracy Dendinger, Southern Ohio ESC This session is encouraged for all pre-service teachers/college students in attendance. Highlights of the conference will be discussed, as well as practical tips for using this information throughout college experiences.</p>	<p>Max Capacity 38</p>