

2022 PAAE Summer Conference FINAL Schedule
July 11-14, 2022
Delaware Valley University

Monday, July 11, 2021 Pre-Conference Evening

<u>Time</u>	<u>Event</u>	<u>Location</u>	<u>Notes</u>
11:30 - 5:00pm	Registration	Conference Headquarters	
12:00 - 4:00pm	2023 PSU Cooperating and Student Teacher Orientation	TBD	
5:00pm	Social Event & Dinner	Chickie's and Pete's (Outdoor dining tent)	Dinner included in Registration

Tuesday, July 12, 2022

<u>Time</u>	<u>Event</u>	<u>Location</u>	<u>Notes</u>
	Breakfast on own/at hotel		
7:30 - 9:30am	Registration	Conference Headquarters	
9:30 - 10:30 am	Lightning Round Workshops A. Approved Certifications - Chris Davis B. Welding Game - Amanda Gagne C. Ideas Unlimited - Applicants D. Exploring GLAG Jr. E. Q&A w/ Stephon & Ag Ed Commission F. Hort Cohort Members Follow-Up	TBD Stage	7-10 minutes at each workshop, 2 minutes to rotate
10:40 - 12:00 pm	Committee Meetings & Working Lunch	TBD	
12:00 - 1:30pm	PAAE Business Meeting - Session 1	TBD	Zoom Option Offered Tentative Comments from the Dean
1:40 - 3:00pm	Technical Workshop - Option 1 A. Tech Tools for Wildlife - Sarah Stauffer B. PSU Pest Ed - Genevieve Christ C. Discussing Agricultural Topics - Alex Barzydlo	TBD A. B. C. D. E. F.	

	D. Exploring Global Competencies - Carson Letot E. Sportsman's Alliance Foundation Curriculum - Frank Price F. Center for Dairy Excellence - Michelle Shearer	G.	
3:30 - 4:30pm	Delaware Valley University Campus Tour		
6:00pm	Fermentation Field Trip	TBD	Dinner included with Registration

Wednesday, July 13, 2022

<u>Time</u>	<u>Event</u>	<u>Location</u>	<u>Notes</u>
	Breakfast on own/at hotel		
8:00 - 9:30am	Teacher Wellness Sessions: Physical Wellness: A. Archery for beginners: B. "Neature" Walk: C. Morning Yoga: D. Boxing Workout: Social Wellness E. Coffee and Company: Financial Wellness F. "Here by the Emblem of Washington" Work Wellness G. Finding Balance:	TBD - Archery for beginners: Outside or Inside - "Neature" Walk: Outside - Walk around campus - need a meeting place - Morning Yoga: Outside open space - but would also like an inside backup plan if weather does not permit. -Boxing Workout: Inside or outside - small Gym space would be ideal -Coffee and Company: Local space reserved Finding Balance: Inside - Classroom space	Archery for beginners: Needs a large space to hang a backdrop with targets. Could happen outside or inside. They usually use a gym to hang this backdrop but thought it might be easier to hang between two loaders or equipment? Can use existing inside reserved space and move furniture if needed/ Explained that we need contingency plans for rain and have limited inside capacity. May cancel low registration events.
9:40 - 11:00am	Technical Workshop - Option 2 A. Starting a Wildfire/Forest Management - Brandon Witmer B. How Livestock Helps Save and	TBD A. B. C. D.	

	Impacts Human Life - Greg Krug, Lampire Biological Labs C. Briggs and Stratton/Small Engines - Mary Wurzbach D. Local Cooperatives - Krista Pontius E. Letting Your Stars Shine - Carole Fay F. From Fryer to Fuel Biodiesel - Sarah Stauffer	E. F.	
11:00 - 12:30 pm	PAAE Business Meeting - Session 2 Working Lunch - NAAE Remarks, Dr. Robin McLean	TBD	Zoom Option Offered Tentative Remarks from Dean
12:45 - 4:00pm	Industry Tours A. Roth and Gemmill Farms at DVU B. Fordhook Farm - Home of Burpee Seed Company C. Peace Valley Nature Center D. BriefCASE AgX Training Block 1	TBD Science/Chem Lab for BriefCASE	
6:00pm	Dinner & PAAE Banquet	Warrington	Dinner included in Registration

Thursday July 14, 2022 - Deep Dive/Immersive Learning Day

<u>Time</u>	<u>Event</u>	<u>Location</u>	<u>Notes</u>
	Breakfast on own/at hotel		
8:00 - 11:30am	Deep Dive Technical Workshop A. BriefCASE AgXplore - Block 2 B. Learning Theory as Applied to Equine Training - Angelo Telatin, DelVal Faculty C. SAE for All, Carole Fay D. Livestock Fitting & Showmanship, Scott Myers E. Ag Equipment Derby F. Aquaponics & Raising Tilapia	TBD A. B. C. D. E.	
11:30am	Boxed Lunch for Departure		
12:00 - 3:30pm	BriefCASE AgXplore - Block 3	TBD	

2022 PAAE Summer Conference Session Descriptions

Tuesday July 12, 2022

9:30 - 10:30am Lightning Round

Station A - “PDE Approved Certifications for School-Based Ag Programs” - Chris Davis

Station B - “Welding Muscle Memory Game” - Amanda Gagne

Station C - “Check out the Ideas Unlimited” - Various Applicants

Station D - “Exploring GLAG Jr.” - GLAG Jr. Panel

Station E - Q&A w/ Stephon Fitzpatrick, Executive Director of the Ag Ed Commission

Station F - Hort PD Cohort Members Reusable Learning Artifacts

1:40p.m. - 3:00p.m. Technical Workshop Round 1

Option A - “Tech Tools for Wildlife - Sarah Stauffer

This workshop will review resources for teaching wildlife identification including scavenger hunts and citizen science apps like eBird. If time allows, participants will go outside to practice birding with binoculars and the app. Additionally, this workshop will also highlight the use of Adobe Spark videos for wildlife related topics and discuss ways to engage audiences beyond the classroom.

Option B - “Penn State Pesticide Education Opportunities” with Genevieve Christ

Genevieve Christ, Pesticide Education Outreach Educator with the Penn State Pesticide Education Program will overview opportunities for pesticide applicator certification, education, and curriculum/outreach initiatives available through the program. This session will award PA Pesticide Applicators CEUs.

Option D - “Discussing Agricultural Topics” with Alex Barzydlo

The workshop would include an introduction to Paideia Socratic Seminars, examples of how I utilize them in my classes, practice participating in a Seminar, an overview of the resources available online for implementation, and a brainstorming session of when Paideia Socratic Seminars could be used by participants in their own programs. If it works out for me to bring an expert for the Workshop, there would also be an opportunity to practice preparing to facilitate a Seminar and being officially trained.

Option E - “Exploring Global Competencies” with Carson Letot

Participants will begin the workshop with two different surveys to assess their global perceptions and then in-turn implement in their classroom with their students to begin conversations and instruction on global competence in the AFNR pathway.

Option F - “Sportsman Alliance Foundation Curriculum” with Frank Price

The Conservation Science curriculum engages students in doing science and developing important skills such as critical thinking, problem solving, communication, data collection, etc. The curriculum focuses on the North American Model of Wildlife Conservation and the related outdoor recreation: Hunting, fishing, trapping, shooting sports and boating. Students learn and develop skills related to relevant and applicable topics. This curriculum is made by teachers and for teachers and includes: (1) New style of book about all the key conservation topics that serves as the skeleton of the curriculum and is broken into concise sections that make it easy for students to digest. (2) Teacher Materials: Online access to a library of materials that are used in daily lessons (labs, projects, presentations, research, debates, activities, worksheets, assessments, etc) (3) Resources: Included in the online access, these quality resources supplement the lessons with podcasts, videos, research papers, data sets, etc (4) Ongoing support: We will provide ongoing support to teachers to help source equipment, plan events, make connections with local partners, and professional development (5) Teacher Input: Teachers are encouraged to provide feedback to help improve existing materials and request additions to the curriculum to fill in additional areas.

Option G - “Center for Dairy Excellence” with Michelle Shearer

Over the last two years, we have seen how technology can be used in delivery of concepts and skills to students in and out of the physical classroom. Various free technologies, such as Quizziz, Quizlet, and Kahoot!, can be used to engage and assess student learning. Using dairy concepts, participants will be able to play examples of the above technologies during this session to better understand how each can be applied in the agriculture classroom.

Wednesday, July 13, 2022

8:00a.m. - 9:30.m. - Teacher Wellness Sessions

Option A - Archery for beginners:

Learn a new skill with archery!

Option B - “Neature” Walk:

Because Nature is Neat! Enjoy a guided walk outdoors and explore nature around you along the way. Includes bird watching!

Option C - Morning Yoga:

Sit back, relax and STRETCH! Start your morning right with a beginners yoga session.

Option D - Boxing Workout:

Time to throw some punches! Learn the basic skills of boxing with a fun and engaging video workout.

Option E - Coffee and Company:

Enjoy the company of your fellow PAAE members with coffee at a local cafe.

Option F - “Here by the Emblem of Washington”

In this session we will focus on financial wellness and discuss topics related to

Option G - Finding Balance:

As Agriculture educators we are constantly balancing many parts of our job and life. In this session you will gain some tips and tricks to time, stress, work and life balance to help you develop your work wellness.

9:40a.m. - 11:00a.m. Technical Workshop Round 2

Option A - “Starting a Wildfire/Forest Management” with Brandon Witmer

Starting a Wildfire for Forestry workshop will be an awesome experience for any teacher to learn new strategies, exercises, and labs for teaching forestry in their classroom. We will complete a lab and demonstrate how different forest management strategies can impact and prevent catastrophic wildfires. Using simple materials such as play-dough and matches. We will also go through each step to learn the content and how to complete this lab in your own classroom. We will also cover one example of how I teach forestry in my classroom. I will share all of my resources and go step by step through the unit. We will cover areas such as tree ID, forest management, harvesting, measurement and more.

Option B - “How Livestock Helps Save and Impacts Human Life” with Greg Krug, Lampire Biological Labs, Inc.

Lampire is a privately held, international life science company with over 40 years of experience producing biological reagents and raw materials that are shipped worldwide and used across many applications, including: diagnostics, pharmaceuticals, biotechnology, and cosmetics. During this seminar, Lampire will discuss the direct impact of the biological materials we supply and how they are used by the life science industry to save lives. This seminar will provide Agricultural teachers with knowledge about the strong connection between the agricultural and biotechnology industries. We will demonstrate how various aspects of the industry including construction, housing, regulatory requirements and animal husbandry influence the key products that impact our daily lives. This seminar will show real life application and how this correlates with a career in the life science industry. We will provide a short interactive demonstration of a hands on lab that the teachers will be able to do with their students. Throughout the 40 plus years Lampire has been in business, we have developed a wealth of knowledge through interaction with various organizations and government bodies. All of these steps combine to create many different career opportunities in agriculture and life sciences, from a Weekend Animal Feeder to a Veterinarian, from a Lab Technician to a Protein Chemist, and everything in between.

Option C - “Briggs and Stratton Resources” with Mary Wurzbach

Mary Wurzbach will share some of the highlight activities learned as she participated in the Briggs & Stratton Field Instructors class Summer of 2022.

Option D - “Local Cooperatives” with Krista Pontius

The National Association of Agricultural Educators is working in partnership with the CHS Foundation to offer engaging and inquiry based instructional materials that have everything you need to deliver quality instruction on the cooperative business model, the impact of cooperatives on the community and cooperative career opportunities.

Option E - “Letting Your Stars Shine” with Carole Fay

To help teachers in advising FFA members on the completion of Degrees/Awards: Proficiency applications

12:45 p.m. -4:00 p.m. Industry Tours

Option A - Roth and Gemmill Farms at DVU

The Roth Center for Sustainable Agriculture serves as the living laboratory space for Delaware Valley University's new major in Sustainable Agriculture. The Gemmill Center, formerly known as "Five Spruce Farm," comprising 398 acres, located in Warwick Township, was gifted to Delaware Valley University by the "Warwick Foundation" in November of 2010. There are 150 tillable acres, currently used for field crop production. Various departments utilize the land for laboratory purposes. The livestock departments use the pastures for summer grazing. The six-acre orchard supplies fruit for the farm market and the main campus food service. The main house is used for meetings and retreats.

Option B - Fordhook Farm - Home of Burpee Seed Company

Since its founding in 1876, Burpee has introduced countless new vegetable, flower, herb and fruit varieties – including the original 'Iceberg' lettuce (1894), the first white marigold (1976) and the biggest beefsteak tomato ever bred (2014). To this day, their historic home at Fordhook Farm in rural Bucks County, Pennsylvania, is a trial ground for coming breakthrough varieties.

Option C - Peace Valley Nature Center

Peace Valley Nature Center is a facility of the Bucks County Department of Parks and Recreation. Join the staff there to learn more about Environmental Education. Additionally you will explore their numerous trails, learn about invasive plant species, and other activities, crafts, etc. that teachers can use in their classrooms.

Option D - BriefCASE AgXplore Block 1

AgXplore (AgX) takes middle school students through an exploration of the daily impact of agriculture over 50 days of instruction. This course introduces students to the plants, resources, energy, and animals we use and consume due to agricultural technologies. Every lesson includes unique and engaging hands-on activities and projects encouraging student exploration of the agricultural value chain from industry to consumer. In addition, the curriculum includes fresh and personalized assessment tools with laboratories, games, and questioning exercises. Projects throughout the course prepare students for selecting exploratory SAE projects they can implement after completing the course.

Thursday July 14, 2022 - Deep Dive/Immersive Learning Day

Option A - BriefCASE AgXplore - Block 2

AgXplore (AgX) takes middle school students through an exploration of the daily impact of agriculture over 50 days of instruction. This course introduces students to the plants, resources, energy, and animals we use and consume due to agricultural technologies. Every lesson includes unique and engaging hands-on activities and projects encouraging student exploration of the agricultural value chain from industry to consumer. In addition, the curriculum includes fresh and personalized assessment tools with laboratories, games, and questioning exercises. Projects throughout the course prepare students for selecting exploratory SAE projects they can implement after completing the course.

Option B - Learning Theory as Applied to Equine Training - Angelo Telatin, DelVal Faculty

The first part will be in class presenting about learning theories and their application to horse husbandry/training. PowerPoint, videos and hands on activities. The second part will be at the equestrian center with demo and hands on activities with horses: target training and equine assisted team activities.

Option C - SAE for All, Carole Fay?

To introduce the SAE for All concept and Foundational SAE to PA Ag Teachers. Content includes a review of the saeforall website and guides for teachers and students. To also break or soften barriers that teachers see/have related to SAE in the Ag Ed program.

Option D - Livestock Fitting & Showmanship

Participants will be shown modern techniques of fitting market goats to be presented in a show ring. Participants will get to practice skills of bathing, clipping and fitting legs.

Option E - Ag Equipment Derby

Participants will receive instruction on and have the opportunity to operate a variety of agricultural and landscaping equipment including tractor with implement, mini excavator, and skid steer loader. A series of challenging tasks will be completed with each piece of equipment to facilitate competency-building.

Option F - Aquaponics & Raising Tilapia

This session will cover aquaponic systems for raising tilapia from beginning to end. Whether you are just starting out with raising tilapia or have been doing it for years, the expertise and knowledge shared during this session will leave everyone walking away having learned something new.