

**VAAE Winter In-Service
January 31st- February 1st
Fishersville, VA**

Tentative Schedule

Friday, January 31st

Time	Event	Location	Presenter
12:30 - 2:30	Registration/Check-In	Hallway Lobby	VAAE Team
2:00 - 2:30	General Session	Student Activities Room	Teresa Lindberg LaVeta Nutter
2:30 - 3:30	Workshops		
	Shop Safety for the 21st Century	Culinary Arts	Brian Alexander Jonathan Grimes
	Google and Technology Integration in the Classroom	Business Lab	Sarah Jo Jones
	Ag in the Classroom	Horticulture Room	Alison Jones
	Finding the Certification to Meet Student & Program Needs	Teachers for Tomorrow Room	LaVeta Nutter
	Middle School Workshops		
	Shop Safety for the 21st Century	Culinary Arts	Brian Alexander Jonathan Grimes
	Ag in the Classroom	Horticulture Room	Alison Jones
	Using AET in the Middle School	Autobody Room	Kate Hawkins
	Teaching on a Block Schedule in Middle School	Cosmetology Room	Kendall Rodgers
3:35 - 5:30	Workshops		
	Ag Mechanics MITI (Woodworking) <i>*continues after dinner</i>	Carpentry Shop, VCTC	Dr. Phil Fravel
	Misting Bench MITI	Greenhouse	Susan Hilleary
	Stain Night!	Horticulture Room	Sarah Jo Jones
	FFA Agriscience Fair Deep Dive	Teachers for	Dr. Hannah

	<i>*continues after dinner</i>	Tomorrow Room	Scherer
	Middle School Workshops		
	Middle School Ag Mechanics <i>*continues after dinner</i>	Cabinetmaking Shop, VCTC	Jimmy Highsman
	FFA Agriscience Fair Deep Dive <i>*continues after dinner</i>	Teachers for Tomorrow Room	Dr. Hannah Scherer
	Misting Bench MITI	Greenhouse	Susan Hilleary
	Stain Night!	Horticulture Room	Sarah Jo Jones
5:35 - 7:00	Working Dinner, MANNRS Program	Culinary Arts Lab	Dr. Cathy Sutphin
7:05 - 9:00	Workshops		
	Ag Mechanics (Woodworking)	Carpentry Shop, VCTC	Dr. Phil Fravel
	FFA Agriscience Fair Deep Dive	Teachers for Tomorrow Room	Dr. Hannah Scherer
	Alternative Energy: Creating Wind Turbines	Student Activities Room	Dan Swafford
	Floral Design	Horticulture Room	Jessica Hall
	Middle School Workshops		
	Middle School Ag Mechanics	Cabinetmaking Shop, VCTC	Jimmy Highsman
	FFA Agriscience Fair Deep Dive	Teachers for Tomorrow Room	Dr. Hannah Scherer
	Food Science Fun!	Culinary Arts	Kim Black Susan Harrison
	Floral Design	Horticulture Room	Jessica Hall

Saturday, February 1st

Time	Event	Location	Presenter
6:00 - 8:15	Breakfast (at your leisure)	Hotel	

8:30 - 12:00	Full Morning Workshops		
	CAT-10 Certification/Recertification	Autobody Room	Marc Moran
	Exploring the Reproductive Tract and Embryo/Fetus Development	Horticulture Room	Katherine Carter
8:30 - 10:00	Middle School Conference		
	Middle School Lesson Plan and Idea Sharing	Business Lab	Kim Black
8:30 - 10:00	Workshops		
	Integrating FFA Agriscience Fair into Your Total Program	Teachers for Tomorrow Room	Dr. Hannah Scherer
	Free and Easy to Use Technology	Culinary Arts	Melessa Suder
	Measuring and Reporting Impact: Positive PR for Your Program	Cosmetology	Jennifer Armstrong Alison Jones
	Virginia Dominion Energy Envirothon Program; Incorporating Soil and Water Conservation	Carpentry Classroom	Blair Hoffman
	Electrical Wiring Hands-On Workshop	Electricity Lab	Harry McGuire
10:15 - 11:45	Workshops		
	Integrating FFA Agriscience Fair into Your Total Program	Teachers for Tomorrow Room	Dr. Hannah Scherer
	Free and Easy to Use Technology	Culinary Arts	Melessa Suder
	Measuring and Reporting Impact: Positive PR for Your Program	Cosmetology	Jennifer Armstrong Alison Jones
	Virginia Dominion Energy Envirothon Program; Incorporating Soil and Water Conservation	Carpentry Classroom	Blair Hoffman
	Electrical Wiring Hands-On	Electricity Lab	Harry McGuire

	Workshop		
10:15 - 11:45	Middle School Workshops		
	Envirothon: Incorporating Soil and Water Conservation	Carpentry Classroom	Blair Hoffman,
	National FFA Middle School Resources and SAES	Business Lab	Paryce Black Herb Hoffeditz
	Measuring and Reporting Impact: Positive PR for Your Program	Cosmetology	Jennifer Armstrong Alison Jones
	Integrating FFA Agriscience Fair into Your Total Program	Teachers for Tomorrow Room	Dr. Hannah Scherer
12:00 - 1:00	Lunch	Culinary Arts Lab	Dan Swafford, Drone Training Katherine Carter, YQCA
1:15 - 3:00	Workshops for Middle and High School		
	CAT-10 Exam	Autobody Room	Marc Moran
	Sheep Production	Livestock Barn	Kristin Beery, Dave Shifflett
	Floral Design	Horticulture Room	Jeff Naunchik
	Introducing Parliamentary Procedure	Culinary Arts	Michael Shockley
	Alternative Energy - Creating Wind Turbines	Student Activities Room	Dan Swafford

Workshop Descriptions

Shop Safety for the 21st Century (Brian Alexander, Jonathan Grimes) - During this workshop, we will introduce you to a one-of-a-kind program that promotes student learning and safety in your school's mechanics laboratory. Hear and see first-hand how our curriculum trains students to use machines and equipment safely while saving you valuable preparation and instructional time. Learn how you will dramatically reduce the time you spend making lesson plans and assessments but assure that students are properly trained for laboratory experiences. Currently being used in over 45 programs across the country, positive feedback describes students getting into the laboratory quicker with documented safety requirements met. Join us as we also share tips for keeping students engaged while covering this important topic.

Google and Technology Integration in the Classroom (Sarah Jo Jones) - In this interactive workshop you will learn about Creative and Collaborative Uses for Google Apps and Canva in your classroom. You will need to bring wi-fi enabled device to get the full benefit of this workshop. This workshop will provide a quick overview of commonly used Google Apps and Canva (a graphics and document application). You will also be provided resources to use later and have full access to the information after you leave.

Pesticide Recertification (Marc Moran)- *Category 10 pesticide certification and exam preparation* – *Marc Moran* All Teachers who use any type of chemicals at a Virginia Public School are required to have a Category 10 License. This includes insecticidal soap or other over the counter products. Please make sure that you read and study the resource materials because the exam is difficult.

Ag in the Classroom (Alison Jones) - Virginia Ag in the Classroom provides teachers and volunteers with free lesson plans and online resources related to agriculture and correlating with Virginia SOLs. Let's explore how to make learning fun! AITC is an excellent middle school resource and is easily adaptable to more rigorous courses. Our material is also a popular choice for your community outreach needs. Get to know our website and talk about opportunities with Alison Jones, Regional Outreach Coordinator.

Finding the Certification to Meet Student & Program Needs (LaVeta Nutter) - Do you have questions regarding approved industry certification and/or credentialing tests for the course(s) you teach? LaVeta Nutter, Specialist for Agricultural Education and Related Clusters will share information and answer questions regarding credentialing and industry certification. Information will include: industry certifications and credentialing that match your courses, Board of Education - Approved Industry Credentials, how credentials work for graduation requirements, data on industry credentialing in Virginia, resources for high school industry credentialing and the Board of Education approval process for industry certifications and credentials.

Ag Mechanics (Woodworking) Make-It, Take-It (Dr. Phil Fravel) - Clemson University Professor and former Virginia agricultural education teacher will conduct this workshop. The purpose of this workshop will be to give instructors experience in operating power woodworking equipment. During the workshops instructors will learn how to safely operate several common types of woodworking equipment to construct a nesting box which the teachers will be able to take back to their departments to serve as an example for their classes. Shop safety will be discussed to help minimize safety hazards, how to maintain a safe working environment, and materials you can use to teach laboratory safety.

Build a Misting Bench (Susan Hilleary) - Make and take a PVC mist system for your school greenhouse or propagation bench. The class will cover types of emitters, irrigation systems, and controllers. We will cover cutting, gluing, and taping PVC joints. Teachers can make a system to take back to their school that can be connected to a current irrigation system or installed with a garden hose.

Stain Night! (Sarah Jo Jones) - A twist on the traditional open shop night - Stain night is a great way to engage the community, provide students an opportunity to build their skills and raise funds for your program. We will be making rustic string art wall decor in this hands-on workshop.

Electricity Wiring Hands-On Workshop (Harry McGuire) - This workshop will be both a “SHOCKING EXPERIENCE and a “hands-on” workshop. This workshop is being taught by a career and technical education teacher with many years of experience in the electrical world. Participants will learn the basics of electrical wiring. This will included wiring switches, lights, and receptacles. Teachers will also learn to construct electrical boards to assist their instruction.

FFA Agriscience Fair Deep Dive (Dr. Hannah Scherer) - The FFA Agriscience Fair is an amazing learning experience for participants, but it represents a significant amount of self-directed work. For FFA advisors who have not engaged in scientific research themselves, helping FFA members through this process may seem like a daunting task. In this workshop, participants will be introduced to each component of the contest and strategies for advising FFA members through the whole process from start to finish.

Floral Design (Jessica Hall) - This workshop will demonstrate how to use common backyard materials to create unique and attractive designs while staying on budget. Participants will create their own arrangements for Valentine’s Day and learn other techniques that can be used throughout the school year.

Using AET in the Middle School (Kate Hawkins) - The Agricultural Experience Tracker is the premiere personalized online system for tracking experiences in agricultural education. Learn how the AET tracks educational and financial experiences for students, so that filling out FFA awards and applications are made easier.

Teaching Middle School on a Block Schedule (Kendall Rogers) - We all remember when classes were held every day and it was about forty minutes of busy work and then boom the bell

rang. Now we have this thing called block schedule and that can be a blessing or a curse. How can we utilize a whole ninety minutes of class time and not overdo the work but also not give them too much free time? Learn some of the tips and tricks to a block schedule and how to make it through long blocks without feeling lost with your students.

Middle School Ag Mechanics (Jimmy Hisghman) - With decades of experience, retired middle school agricultural education teacher, Jimmy Hisghman, will conduct this middle school woodworking workshop. This workshop is designed to assist participants in developing skills to create a variety of middle school agricultural mechanics projects.

Food Science Fun (Susan Harrison, Kim Black) - Teachers will receive suggested food science ideas and activities for 8th grade Agriscience Technology course including an overview of the food science unit, how to make jerky and pesto with middle school kids. All ingredients will be provided. Please bring your successful food science ideas to share in this class.

Middle School Idea Exchange - (Kim Black) - Middle school teachers are invited to bring projects, lesson plans, sub plans, field trip ideas, SAE ideas, etc. and share with fellow middle school teachers. This will be an opportunity to network, connect, and collaborate with others while acquiring new ideas for your classroom and agricultural laboratory.

Exploring the Reproductive Tract and Embryo/Fetus Development (Vitor Mercadante, Nicholas Dias & Katherine Carter) - This workshop will be offered as a "Train the Trainer" opportunity, where participants will not only increase their knowledge in the area of cattle reproduction, but will also gain resources and curriculum aids necessary for classroom delivery of this topic area. In this workshop, you will learn more about the anatomy and physiology of the female bovine reproductive system with hands-on experiences, as well as examples of different reproductive technologies currently available, with a focus on artificial insemination. Teachers will learn more about the processes and methods of bovine artificial insemination, they will have a chance to look at real bovine semen, examine bovine female reproductive tracts, and practice semen thawing and loading artificial insemination applicators. Teachers will also learn how this reproductive technologies connect to real world producers and their cattle. Curriculum resources, along with youth appropriate delivery methods, will be provided with the ultimate goal being that of curriculum delivery in the agriculture classroom.

Integrating FFA Agriscience Fair into Your Total Program (Dr. Hannah Scherer) - Have you thought about doing Agriscience Fair but can't imagine adding one more thing to your program? Participants will learn about the basics of the FFA Agriscience Fair contest, ways to connect to resources, and strategies for incorporating Agriscience research into SAE and classroom/laboratory instruction that can lead to increased participation in the contest.

Free and Easy to Use Technology (Melessa Suder) - (Please bring your laptop or Chromebook) How do you teach vocabulary? Do you want some new tools to make learning

fun? Flippity is a series of web apps that can easily turn a Google spreadsheet into a set of online flashcards or quiz show. Type the information ONCE and use it in multiple ways to save time! In addition, this workshop will introduce you to EdPuzzle and other free online learning applications that will impress your students and your administrators!

National FFA Middle School Resources and SAES (Paryce Black, Herb Hoffeditz) - If you are looking for some extra resources to add in your classroom curriculum or FFA arsenal, National FFA has developed middle school focused curriculum. Come learn about these resources and how to use them!

Measuring and Reporting Impact: Positive PR for Your Program (Jennifer Armstrong, Alison Jones) - For the viability of a program and for continued community support, data collection and impact reporting are of key importance. This workshop will give teachers tools to report student, member, alumni and community engagement as well as economic and job data. We will also discuss how to market programs and how to promote student success using a tool that no one can deny: DATA!

Virginia Dominion Energy Envirothon Program: Incorporating Soil and Water Conservation (Blair Hoffman, Rachel Winter) - Participants in this session will gain an overview of the program as well as pointers on how to create or expand an Envirothon team at your school. This session will include a mock competition and time for open discussion on ways to utilize Envirothon curriculum in your classroom. Seasoned Envirothon coaches will also have an opportunity to provide input on ways Virginia can improve resources and logistics of the Envirothon program at the local, regional, and statewide level. Anyone currently involved with the program or interested in becoming involved are encouraged to attend.

Sheep Production (Kristin Beery, Dave Shiflett) - Livestock projects, including sheep, provide great opportunities for youth to learn about animal and veterinary science, as well as animal production practices while gaining valuable life skills such as responsibility and record-keeping. Whether they raise a market lamb or breeding stock project, youth will learn more about the sheep industry while gaining valuable life skills to help them succeed. Livestock management is a part of Virginia's agricultural industry, which is vital to our states economy, Participants will learn how to dock, administer shots, and castrate lambs in this hands on workshop.

Floral Design (Jeff Naunchik) - This workshop will demonstrate how to use common backyard materials to create unique and attractive designs while staying on budget. Participants will create their own arrangements for Valentine's Day and learn other techniques that can be used throughout the school year.

Introducing Parliamentary Procedure (Michael Shockley) - Discover how to integrate effectively parliamentary procedure into your program for the first time! Participants will be provided an introduction into what parliamentary procedure is where they will identify the four main principles of parliamentary procedure, determine basic motions including how to make a main motion and apply knowledge through a mock meeting scenario.

Alternative Energy: Creating Wind Turbines (Dan Swafford) Teachers will learn the basics of Alternative Energy and how it works into the nation's energy mix. Teachers will learn and

practice “hands on” activities to include : positioning and setting up solar panels, constructing portable methane digesters and building scale model wind turbines and measuring their output.