

2022 AGRISKILLS

Sunday, June 19th 8:00 a.m. - Noon

1. COOL ST 101 (SESSION 1/3): METAL PROJECT CONSTRUCTION INTERMEDIATE AND ADVANCED THREE SESSION SERIES**

This is a three-session workshop (Sunday morning & afternoon, and Thursday afternoon,) designed for Ag Mechanics teachers of all skill levels and seeks to add to the growing arsenal of projects we can select from to teach the skills and concepts our students need to master. This year, we are focusing on intermediate and advanced metal fabrication construction, as well as combination wood/metal project construction. Our goal is to give the participants hands-on experience in project planning and construction on projects such as: utility trailer, shop tables, fire pits/BBQ, anvil, patio tables/benches, woodworking projects and more. Participants can choose which project(s) to be involved with but we recommend choosing one you would like to implement in your class next year. Discussion topics include: teaching methods, project organization/planning, project funding, design changes based on tooling and/or materials, construction and finishing techniques and tricks/tips. This workshop series is also a great way for new teachers to make connections.

- Additional Fee: \$25 paid once and covers all three sessions
- Workshop size may be limited so sign up early
- Please bring welding or work gloves and safety glasses if you can. Loaners are limited.
- Some projects may be available to build and take home

Presenters: Dick Piersma and Company – Hilmar High School

2. AG MECHANICS PROJECTS FOR INTRODUCTORY CLASSES

Hands-on building of projects along with a discussion of the SLOs and standards they can meet, as well as construction options. Participants will create a cut list and bill of materials for a typical class. **Designed for teachers new to teaching Ag Mechanics.**

- Additional Fee: \$20 (estimated)
- Limited to 24 participants
- Participants will take home project plans and projects

Presenter: Dr. Michael Spiess – CSU Chico

3. I'LL TAKE NGSS FOR \$100, ALEX!

Ag Science teachers, COME ON DOWN! Join us as we do a deep dive into NGSS standards! No need to phone a friend, we will put in the work together to break down each standard and develop unit topics with assessments that you can bring to your ag chemistry or ag biology classes! Survey says... you'll need a laptop and your curriculum brain to collaborate on a unit map that we can share statewide! Deal? Or no deal?

- Bring a laptop and optional assessments/unit maps currently used

***Presenters: Clarissa Farinelli – Central Valley High School
Annie Gonzalez – Sierra Pacific High School***

4. REPRODUCTIVE TECHNOLOGIES IN LIVESTOCK

Reproduction technology use in livestock is quickly becoming commonplace for many operations. This workshop is designed to give a basic overview of these technologies and integrating them into a herd or program. Additionally, a hands-on section of the workshop will allow participants to practice with technologies such as estrous synchronization, artificial insemination, rectal palpation, and ultrasonography.

- Limited to 15 participants.
- Additional Fee: \$10 to cover consumables
- Deceased animal tissues and/or live animals may be used during this workshop. Species may include porcine, bovine and caprine.
- Curriculum will be provided for technique overview

Presenter: Dr. Audra Harl – Shasta College

5. MANAGING BREEDING AND MARKET LIVESTOCK IN THE AET

This workshop will be completed following SAE case studies that outline the essential records of a breeding cattle SAE project, developing replacement heifers and other related market livestock SAEs. This example is cattle but applies to most other livestock related SAEs. In this workshop, each participant will receive an AET Case Study that we will use in the session to simulate these types of SAEs. Once complete, each participant will receive an electronic copy of the example student to help use with their students. The goal of this session is for teachers in the workshop to simulate the steps in record keeping for these types of SAEs, which include beginning inventory, birth records, transfer to developing SAEs, valuing retained/raised livestock, retaining replacement emails and market sales.

- Bring your own laptop if able (Limited number of computers available)

Presenter: Dr. Roger Hanagriff – TheAET

6. COOKING FOR THE MASSES AND OTHER GASTRONOMIC TIDBITS

This hands-on session will cover planning and executing the preparation and presentation of food for fundraisers and banquets. Your hosts will share key recipes and tricks they have developed over many years of catering, as it relates to the Ag Education lifestyle. Participants will receive a recipe book.

- Additional Fee: \$20 to cover consumables (which we will eat and enjoy!)
- Limited to 26 participants
- Vegans may not find this session appealing

*Presenters: Dan Crookham – Exeter High School
Brian Donovan – Kingsburg High School*

7. LET'S HAVE SOME FUN! TEAMBUILDING 101

Let's play! Plato said, "You can learn more about a person in an hour of play, than a year of conversation." This interactive teambuilding experience will challenge you to stretch your comfort zone, get to know your colleagues, and have fun. Come play and then take home a list of teambuilding activities you can do with your students.

- Limited to 25 Participants.
- Closed-toe shoes (sneakers) required.
- Wear comfortable clothing you can move around in.
- Wear sun protection and bring water.

Presenter: Dr. Marni Goldenberg – Cal Poly, SLO

8. AG CHEMISTRY: NGSS AND SPECIAL ED MODIFICATIONS

Do you need to convert your ag chemistry class into a more NGSS focused course? Do you need help with modifying your chemistry curriculum for special ed students? This course will provide inquiry-based learning worksheets, modifications for difficult topics such as the mole, hands-on labs, and more!

- Limited to 24 participants

Presenter: Chelsey Schnider – Sheldon High School

9. FLOWERS FOR CHAMPIONS

Let us put our flower skills to work while we design flower blankets and garlands for our champions in the livestock barn. We will discuss the best types of flowers to use, materials and size charts.

- Additional Fee: \$50 for materials and flowers
- Bring your own floral tools if you have them. Loaners are limited.
- Workshop limited to 40 participants.

Presenter: Jennifer Downs – Frontier High School

Sunday, June 19th 1:00 p.m. – 5:00 p.m.

10. COOL ST 101 (SESSION 2/3): METAL PROJECT CONSTRUCTION INTERMEDIATE AND ADVANCED THREE SESSION SERIES**

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Presenters: Dick Piersma and Company – Hilmar High School and Beyond

11. ADDING AGRICULTURAL DRONES TO YOUR CURRICULUM

Look up!! Drones are everywhere in agriculture. This workshop will explore the FAA requirements for drones and drone pilots. The use of a drones for field mapping will be demonstrated.

- We will be outside in an open field for part of the session so plan accordingly.

Presenter: Dr. Michael Spiess – CSU Chico

12. AG MANUFACTURING CURRICULUM AND EQUIPMENT

Ready to take your mechanics program to the next level? We will explore DIY automation equipment and curriculum to teach automation and motor controls. Let's ensure our students are ready to move into careers in this sector of the industry.

- Workshop limited to 25 participants.
- Participants will receive curriculum, parts list, and how-to instructions

Presenters: Jim Rooney, Gary Potter & Shane Souza – West Hills College Lemoore

13. AG ALIGN: HOW TO BECOME A TIER 2 FLORAL EVALUATOR FOR STUDENT CERTIFICATION

The AgAlign certification is aligned with the California State Floral Association adult testing matrix, and was created using their materials along with the expertise of agriculture teachers who are certified florists. This workshop will help train teachers within our own profession to become event evaluators. You will be introduced to the grading rubrics, be guided through the grading process, evaluate multiple samples of floral arrangements, and finally collaborate with the floral superintendents on the reasons for point values associated with those floral arrangements. With this training, you will not only be able to prepare your students for Tier 2 testing but you can assist as an evaluator at state testing sites.

***Presenters: Mandy Garner – Liberty Ranch High School
Carrie Phillips – Bret Harte High School***

14. CREATING, BUILDING, & EXPANDING A HORTICULTURE PROGRAM

This workshop is all about providing attendees information and resources they can take back to their program, school, and/or facility! Course outlines, curriculum, facilities, tools, equipment, greenhouses, and plants sales will all be explored. Workshop will also encourage expanding a horticulture program with a Turfgrass and Sports Field Management course including course outline, curriculum, tools, and equipment.

Presenter: Dave Gossman – Atwater High School

15. BEYOND THE FAIR CHECK: ENSURING LIVESTOCK/SAE PROJECT KNOWLEDGE FOR SUCCESS

Each year, thousands of students across the country make the leap into a livestock SAE project - many with the dream of a big check on sale day at the fair. Sadly, many of those students end up with very little, if any, comprehension from the species they are raising/showing. Through the use of some very simple tools, we will show you how to inspire your students to learn more about their livestock projects and gain confidence in and out of the ring.

- Participants will receive a sample deck of 80 educational flashcards.

Presenters: Jeff Maynard, Kelly Secord & Kate Smith – Firebaugh High School

16. MANAGING BREEDING AND MARKET LIVESTOCK IN THE AET

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Thursday, June 23rd 1:00 p.m. - 5:00 p.m.

19. COOL ST 101 (SESSION 3/3): METAL PROJECT CONSTRUCTION INTERMEDIATE AND ADVANCED THREE SESSION SERIES**

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Presenter: Chelsey Schnider – Sheldon High School

21. SKILLS OF THE FRUIT TREE PRUNING AND TREE JUDGING CONTESTS

Dive into the pruning industry to learn how to properly train and maintain both Fruit Tree Pruning and Judging CDE teams. Hands-on learning on industry techniques for early and late fruit trees. Learn the difference in skills from peaches, plums, and nectarines. After this session, a new or beginning teacher should be able to develop a team to participate in the state contest.

- Wear shoes you don't mind getting dirty.

Presenter: Ron Sa – Reedley High School

22. CREATING, BUILDING, AND EXPANDING A HORTICULTURE PROGRAM

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Presenter: Dave Gossman – Atwater High School

23. RECORDKEEPING & PROTOCOL MANAGEMENT FOR SCHOOL FARMS

Have you had issues with consistency at your school farm? Have you had questions about what is and is not okay in terms of treating livestock? Want to polish up your current protocols and record sheets? We will cover recordkeeping basics for all life stages, proper medication use and administration, and how to formulate protocols and standard operating procedures so things are done right by everyone... every time!

- Laptop Recommended

Presenter: Dr. Allison Vander Plaats – College of the Sequoias

24. MIDDLE SCHOOL AGRICULTURE CURRICULUM

Ag teachers currently teaching middle school courses are encouraged to bring their best unit plans and lessons to this session. Our goal is to create middle school ag curriculum that can be utilized in the classroom when we return in the fall. Lessons on Intro to Ag, FFA, Animal Science and Plant Science will be our primary foci for this level.

- Bring a laptop with Google Drive Access
- Unit/Lesson Plans need to be in a digital format for the workshop

Presenter: Courtney Castle – Saucelito Elementary School District

25. THE ABCS OF THE FARM BUSINESS MANAGEMENT CDE

Come discover the ABCs of the Farm Business Management CDE! We'll look over the different pieces of the contest, review coaching strategies for this academic-based contest, and learn how to depreciate capital goods. Plan to walk away from this workshop with a bank of past problems from various field days and State FFA Finals, and the depreciation know-how to start building the resources you need to get your team off to a great start.

Presenter: Jessica Forster – Pleasant Grove High School

26. MANAGING BREEDING AND MARKET LIVESTOCK IN THE AET

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