



**NAAE Workshops at the
2019 National FFA Convention
Sponsored by
Corteva AgriScience™**

Wednesday, October 30, 2019

9:00 a.m.-5:00 p.m.

National Agriscience Preservice Teacher Program

Room 143, ICC

(NAPTP participants only)

10:30-11:30 a.m.

Do You See What I See? Implicit Bias in Schools

Room 140, ICC

Explore your unconscious biases and learn how behaviors are manifested from these preferences. You will also develop a working definition of inclusion and belonging and see how these factors impact teaching and learning.

Thursday, October 31, 2019

9:00-10:15 a.m.

Survey Says! The Public's Perceptions and Misconceptions of Agriculture

NAAE Agriscience Learning Labs - Room 143, ICC

Today's public have many misconceptions about their food and agriculture. Unless we know what these misconceptions are and why they have them, we can't solve it! In this activity, students will be surveying 'the public' about their perceptions of agriculture – all in your classroom.

10:30-11:45 a.m.

My Local Cooperative: Education. Community. Agriculture

NAAE Agriscience Learning Lab – Room 143, ICC

Engage your students in the latest NAAE instructional module based on agriculture cooperatives. The activity based modules will guide students through understanding how a cooperative business works, defining the benefits of cooperatives in the community, cooperative career opportunities and running a mock cooperative business. All teacher attendees are eligible for a \$100 cooperative field trip or cooperative teaching materials grant.

12:00-1:15 p.m.

Photosynthesis & Respiration – It's a Plant's Life!

NAAE Agriscience Learning Labs - Room 143, ICC

Help your students sprout and grow with a different approach to teaching photosynthesis and respiration. Learn how to captivate students through inquiry activities that will challenge and excite them. Easily implement activities into your current horticulture or plant science class.

1:30-2:45 p.m.

Vet Tech Urine Checks

NAAE Agriscience Learning Labs - Room 143, ICC

Come explore the role of vet techs and how they protect animal's health through conducting basic urinalysis tests. This simple activity walks your students through a hands-on simulation of five common procedures. A great activity that can be used to enhance your vet science course and CDE.

3:00-4:15 p.m.

Water Pollution and Run-off: Who's fault is it?

NAAE Agriscience Learning Labs - Room 143, ICC

The issues of water pollution and run-off can be seen across the country. But who is at fault here? In this lab, get ready to dive in and investigate just where the nitrates and phosphates are coming from that are polluting Jaffrey Lake. An excellent inquiry-based approach to get students thinking about sources of point source and non-point source pollution and ways to solve it!

Friday, November 1, 2019

9:00-10:15 a.m.

The Crossbred Cow Lab: Discovering Cattle Genetics

NAAE Agriscience Learning Labs - Room 143, ICC

Need an engaging way to introduce (or use) EPDs and cattle genetics? What if your students could select bulls and cows, and get results of the pairings? Get ready to experience and leave with this new inquiry activity where your students can not only learn about cattle genetics but also 'discover' a well-researched and documented genetic phenomenon found in crossbreeding cattle!

10:30-11:45 a.m.

Misconceptions of Organic: Investigating Pesticides in Organic Agriculture

NAAE Agriscience Learning Labs - Room 143, ICC

Can we determine if produce is organically grown by testing for chemical residue? In this new simulation activity, get hands on as you test apple samples for 'pesticide residue' to determine if they can be marketed as organic. Before your students are done, they will investigate different pesticides and address major misconceptions about organic and conventional production. Warning: plot twists ahead!

1:30-2:45 p.m.

Ag Engineering in the Classroom

NAAE Agriscience Learning Labs - Room 143, ICC

How can we incorporate engineering in high school agricultural classes? During this workshop, explore resources to enhance engineering applications in your agricultural program. Participate in innovative lab activities demonstrating how to use the engineering design process while teaching electrical and small engine principles related to agricultural mechanics. At the end of the workshop, you will be equipped with resources and ideas to bring home and implement in your agricultural courses.