

# Workshop Descriptions

## Friday Evening Sessions

**FBM WORKSHOP 1<sup>st</sup> hour - FINAN Vault Training** – Dale Nordquist, University of Minnesota

Dale Nordquist will be presenting a refresher session for experienced and new FBM instructors on the use of the Vault for FINAN enterprise analysis and for any time to backup and retrieve files from the Vault. He will also update instructors on other pertinent issues concerning FINAN and FINPACK for the 2017 analysis season.

**FBM WORKSHOP 2<sup>nd</sup> hour – FSA/Bridges and MDA Program Update** – USDA Program Specialist and Keith Olander, Director of AgCentric

FSA will present information on setting up for Level Two Authentication accounts in order to participate in Bridges Partner Community access for sharing and accessing information that will be helpful for our students. Keith will be providing an update on numerous FBM topics including MDA programs available to FBM students.

**Teaching Internship Workshop** – Agricultural Education Faculty, University of MN

This workshop is intended for cooperating teachers and the teacher candidates they will mentor during spring semester 2018. The twelve-week teaching internship is the capstone experience for teacher licensure students and has been identified as one of the most valuable experiences in the teacher preparation process. The goals of the workshop are to understand indicators of a successful teaching internship, determine the order that classes will be taught, and identify opportunities for FFA and SAE involvement.

**ESTEM in Action: The Raptor Lab** – Mike Billington, Interpretive Naturalist, The Raptor Center, University of Minnesota

The Raptor Lab-role play curriculum helps students think critically, solve problems, and use technology in the process of scientific investigations. Discover how Raptor Lab, a University of Minnesota Center Curriculum, uses technology to connect students with scientists “doing science” in the real-world setting of the center’s rehabilitation clinic. Learning Module 1 turns students into veterinarians-in-training who use scientific investigation to explore how sick and injured raptors are diagnosed and treated. In Learning Module 2, world-renowned raptor expert Dr. Pat Redig guides students as they investigate a local and real-world environmental issues that impacts bald eagles. Learning Module 3 puts it all together: students apply their knowledge and skills in an online, interactive environment where they get to complete their own outdoor investigations. The workshop will demonstrate how each of these learning modules can be used with students in grades 6<sup>th</sup> through 12<sup>th</sup> grade.

**Overwhelmed? Do You Feel Like Your Life Is The Life You Want?: Insights and Tools for Shifting Perspectives** – Mary Kay Delvo, Speaker, Coach & Strategy Consultant

Join life-coaches to learn how you can infuse balance and personal values into your life. Busy agriculture teachers that are looking for some perspective into getting things on a difference track should be at this session! Take away a new perspective and ways to make it happen! “Your beliefs become your thoughts, your thoughts become your words, our words become your actions, your actions become your habits...” There are few words truer than those spoken by Mahatma Gandhi. This session will help participants begin to uncover the role their beliefs and thoughts play in the way they navigate life. Attendees will walk away with person insights and introductory tools for intentionally shifting from limiting beliefs to new perspectives.

### **Middle School Lesson Share** – Tiffany Timm, Ag-Ed Instructor

Have you ever had the thought that nothing ever happens at meetings but the best ideas happen over casual discussions with fellow instructors? Well that concept is being embraced with this Middle School-focused workshop. More is accomplished in a relaxed atmosphere - so our plan is this: to have interested instructors bring three lessons/activities that they have done in middle school/exploratory agriculture classes to share with fellow workshop attendees. By doing this we are finding ways to make our lives easier and our jobs more impactful. Let's see what amazing ideas we share with each other in a couple of hours. **\*\*\*Bring 25 copies of each lesson and your flashdrive!!!\*\*\***

### **SketchUp For School** – Dustin Steenblock, Ag-Ed Instructor

The newest 3D drawing software that anyone can learn to use, has just what you need to incorporate it into your shop work, and can be used on all devices (without bothering your tech coordinator). You will learn how to easily get students drawing without much instruction, see examples of how it can be used in any class, create your own 3D model, and explore how it aligns with Goggle Drive and Classroom.

### **Journey 2050: Educational Gaming Focused on Ag Sustainability** – Sue Knott, Ag In The Classroom Specialist

How will we sustainably feed 9 billion people by the year 2050? Participants in this active workshop will investigate the FREE online program Journey 2050 and its companion lesson plans and teacher resources available through the National Agriculture in the Classroom Organization. Journey 2050 allows 7<sup>th</sup>-12<sup>th</sup> grade students to explore sustainable agriculture as they make inquiry-based decisions to see the ripple effect on social, economic and environmental factors locally and globally. Online farm families guide students through interactive games such as a virtual farm simulation. Attend this information session to play the games and brainstorm how you can use this in your curriculum and classroom. Please bring a laptop, table or smartphone.

### **Google Drive/Google Apps and More** – Jacob Robinson, Manufacturing Instructor

Looking for help integrating technology into our classroom? This workshop will go over some Google Apps including Google Drive, Google Calendar, Google Classroom, forms and more. The workshop will also introduce some apps and technology that will assist you in using formative assessments with your students in the classroom or in studying for CDE's. Bring a laptop and smartphone if you have them. Hands on practice time and time to develop applications will be provided.

### **Scheduling and Managing a Greenhouse Crop For Success!** – Don Josco, BFG Greenhouses

Learn the art of scheduling a crop and developing a production plan to include fertilizers, plant growth regulators, and pest management. Bring your questions! Presenter will remain to answer individual questions that evening.

## Saturday Morning Workshops

### **FBM WORKSHOP – Farm/Family Transition Resources** – Jim Molenaar, FBM Instructor, St. Cloud Technical College and FBM Instructor Panel

Jim will be reviewing strategies from the recent John Baker training and other resources from the University of Nebraska. Jim will also review a proposed program of offering sessions around the state to assist FBM students in transitioning the farm business to another generation. A panel of FBM instructors from across Minnesota will also share about their experience in working with farm transitions.

**FBM WORKSHOP – Social Media and FBM** – Kami Schoenfeld, FBM Instructor, Ridgewater College and Tiffany Hulinsky, AgCentric

Kami and Tiffany will demonstrate and discuss the advantages of using Facebook and other Social Media and technologies for FBM program promotion and connecting to FBM students. Bring your smart phones and tablets to this session.

**Combine Workshop** – Instructor Panel

The equipment portion of the 2018 Agricultural Mechanics CDE involves the combine. This workshop will be held at Midwest Machinery and involve instruction on the various aspects of the combine. Topics will include, but are not limited to, parts identification, cutting & feeding systems, threshing systems, separating, cleaning, handling, adjustments, controls, maintenance, and technological features of today's modern combine.

**Improving Your Crops CDE Skills** – John Hobert, retired Cannon Falls high school & Riverland FBM instructor

John will present a Minnesota Crops CDE workshop to instructors interested in beginning a crops team or improving their current team. He coached the winning 2017 Minnesota State Crops CDE team which represented Minnesota at the 2017 National FFA Agronomy CDE. The workshop will involve a detailed overview of the Minnesota Crops CDE, suggestions on how to train a crops team, and suggestions on how to collect and develop crops training materials. Individual crop practicum exercises relative to the 2018 Minnesota Crops CDE will be provided and discussed with participating instructors. A detailed overview of the National Agronomy CDE will also be discussed.

**Horse CDE 2.1** – Josh Tjosaas, ADawn Nelson, Denise Reeser, Ag-Ed Instructors

Horse 2.1 will continue to provide insight into the recent changes in the CDE. Reasons scoring will be covered in the workshop including the basics of giving reasons, rationale behind scoring, techniques in delivery and organization. Trail and Ranch riding will be covered as they are now possible classes at the state and national CDE including scoring with real class examples and practice. A review of the current identification list (breeds, colors, markings) and study sites will be provided.

**Preparing a Conduct of Chapter Meeting LDE** – Kevin Dahlman, Parliamentarian

Learn about this LCE (formerly Novice Parly) open to seventh, eighth and ninth grade members. Contest format, rules, resources will be discussed and provided. Workshop participants will receive tips, strategies, and ideas to build an effective demonstration and test taking skills. We will also review ways to make it fun and exciting for everyone!

**Technical Skills Assessment in Natural Resource Science** – Leah Bott, Ag-Ed Instructor

Learn about the state approved Natural Resource Science Technical Skill Assessment (TSA) from Precision Exams, including how and why to use it in your program. The state approved test was developed through input from both high school and post-secondary Natural Resource instructors in Minnesota in collaboration with MDE and MNSCU. Perkins IV calls for CTE Programs of Study to use technical skill assessments that are valid, reliable and aligned with industry standards as a measure of CTE concentrator's technical skill attainment. Technical skill assessments are one source of data to evaluate whether CTE Programs of Study effectively prepare students to pursue their career interests. An effective technical skill assessment approach can contribute to the improvement of instruction in your program and can benefit students in college and careers.

## **Hands-on Floral Design** – Darcy Dahna, Ag-Ed Instructor

This workshop is for anyone who struggles when teaching kids how to create basic floral designs. This hand-on workshop is broken down into easy step-by-step instructions. During this workshop you will create a centerpiece and discuss how to create types of designs. Powerpoints and examples will be available at the workshop. If you have your own flower arranging tools (knife or clipper), please bring them. A limited number of tools will be available to borrow. This classes would be great for those preparing for the Floriculture CDE or have a basic design course. **There will be a \$20 workshop fee for this workshop.**

## **GIS Workshop** – Shawn Linder, Ag-Ed Instructor

In this workshop we will be reviewing Geographic Information Systems software ARCGIS which is utilized already at Grand Rapids High School. I will be showing you how it is being used in a high school class for all sorts of agricultural purposes. We will discuss where to get the software and for what cost, and what other materials should be purchased for startup in GIS. GPS coordinate applications into GIS will also be covered. A laptop computer would be helpful for this workshop. Come learn the basics of GIS to stay on the cutting edge of technology that is being increasingly used in society today.

## **Food Processing Projects** – Stacy Fritz, Ag-Ed Instructor

Looking for ideas on food processing projects? Not sure what and how to teach food science? Need activities to engage students in hands-on food science activities? This workshop will review food science curriculum and provide activities to engage students in food science. A variety of food science projects will be provided.

## **Overwhelmed? Do You Feel Like Your Life Is The Life You Want?: Insights and Tools For Shifting Perspectives - REPEAT**

### Saturday Afternoon

## **FBM WORKSHOP –Excel Tax Estimate Spreadsheet** – Troy Otto, FBM Instructor, Minnesota West

What makes this spreadsheet tick? The tips and tricks of Excel surrounding one of our most used educational tools. How can I become better at estimating and presenting my students options for income tax management?

## **FBM WORKSHOP – Farm/Family Transition Resources - REPEAT**

## **FBM WORKSHOP – Social Media and FBM - REPEAT**

## **Minnesota FFA Leadership Structure** – Staff – Minnesota FFA, FFA Foundation and FFA Alumni

This workshop / listening session will focus on the Minnesota FFA Leadership structure and will involve two aspects. First will be a review of the state leadership structure and determining if we are meeting the needs to local FFA advisors and students with the leadership programs we currently offer. We will take an opportunity to gather ideas on the direction of future programs and ways to meet the needs of chapter advisor and students using a variety of programs and technology.

Secondly, an opportunity will be provided to look at how Minnesota AFNR FFA staff can provide chapter advisors with resources to help manage their chapter, chapter officers, and meet the needs of their students, school, and community. What are the needs? How can we help advisors set realistic goals and help them develop a plan of active for success.

## **Floriculture CDE Problem Solving** – Darcy Dahna, Ag-Ed Instructor

Are you having a problem with the new problem solving portion of the Floriculture CDE? Take this workshop and delve into the wonderful world of math story problems. Multiple examples will be given and solutions will be discussed. Bring a calculator, pencil and coping beverage of your choice. Let's do some math!

### **Preparing a Parliamentary Procedure Team** – Kevin Dahlman, Parliamentarian

Are you a little nervous about tackling this fun exciting, yet challenging LDE? It's not as intimidating as it looks, and kids really get into it once it is understood. Join us to learn effective coaching techniques, review some new rule changes and format, and explore additional resources to make your job easier. Participants will have opportunities to study good, better, best debates and effective chairman skills.

### **Meats CDE Workshop** – Sarah Jacobs, University of Minnesota Extension Educator

Want to learn more about the Meats judging CDE but don't know where to start? Join us for an informative session where we will dive into the Meats Judging CDE, learning new tips for coaching a team and finding useful resources to share with your students. We hope to see you there! Also, if you would like to take some electronic resources home with you, please bring a jump drive with you!

### **Schoology – How Can You Use It In Your Classroom?** – Nikki Beucler & Brad Harguth, Ag-Ed Instructors

Let's face it, every year we as Ag teachers encounter some sort of new technology. It could be an iPad, new shop equipment, or even a new grading platform. We are also faced with finding more and more ways to make curriculum and updates for our programs accessible to students and the public. Schoology is a great tool for keeping kids informed not just in classes, but for your FFA chapter as well. This workshop will provide insight on how to use Schoology to enhance your classroom. We will discuss adding and saving resources, setting up classes, creating groups such as an FFA group to house CDE folders for training materials, grading options, and also the pros and cons of the program. If your school district is making the switch and focusing on using Schoology and you are trying to make it work and need some direction, then this is the workshop for you.

### **Standards Based Grading! Are You Ready!** – T.J. Brown, Mary Hoffmann, Sarah Lee, Ag-Ed Instructors

Is your school talking about implementing Standards Based Grading in your high school? If so, are you ready? Where do you start? Where can you find resources? What are your Power Standards to grade? What does grading look like for SBG? How do you find/develop rubrics? These questions and more will be answered at the exciting workshop on SBG!

### **Accommodations: ELL Students** – Julie Ketterling, Ag-Ed Instructor

Looking for ideas on how to modify lesson plans for ELL students? Then you need to attend this workshop! This workshop will focus on modifying lesson plans for special education students and specific accommodations for ELL students. Julie completed her dissertation on this topic and has considerable practical Ag-Ed experience in the St. Paul Public School District.