

2024 STAC (State Teen Association Convention) Workshops

Forestry 101 - (Max. 25 participants per session)

Learn about the basics of forestry in this hands-on, outdoor workshop! In this workshop, we will identify and discuss the commercial conifer tree species of Idaho, discuss tree health and selection with a fun tree-judging activity, and learn about keeping our forests healthy and sustainable by practicing some forestry management skills and techniques.

Tuesday, June 25, 1:15pm-3pm

Wednesday, June 26, 10am-11:45am

Quick breads (Max. 20 participants per session)

Grab & go food! Youth will get to explore a variety of quick bread options and see how easy they are to make and enjoy.

Tuesday, June 25, 10am-11:45am

Tuesday, June 25, 1:15pm-3pm

IDRONE 4-H (Max. 30 participants per session)

Students will build their own drones from scratch, learn coding to control drones, and then fly it safely during the 2024 4-H STAC.

Tuesday, June 25, 10am-11:45am

Intentional Leadership (Max. 30 participants per session)

How can youth be intentional leaders? Participate in this interactive session to define what leadership means to you and how to practice the values you identify as important to be a leader. Participants will study various leadership statements to define, prioritize, and share insights to distinguish leadership characteristics. You will begin crafting your own individual leadership statements to use as guiding principles in your leadership journey.

Wednesday, June 26, 10am-11:45am

Engineering for Disasters (Max 20 participants per session)

Natural disasters occur every day. It is an engineer's job to plan, design, and find solutions for when they occur. This workshop will look at the effects of a seismic event on structures and much more.

Wednesday, June 26, 10am-11:45am

Pack a Punch with PowerPoint: Tips and Technique (Max. 20 participants per session)

Learn how to make great PowerPoint presentations and gain new design skills. Learn best practices on how to create PowerPoint presentations that really pack a punch! In this workshop you will learn how to pick the best templates and how to include videos, animations, and other interactive features.

Wednesday, June 26, 10am-11:45am

Using Lunar Habitats to Understand Our Own (Max. 20 participants per session)

One of the best ways to understand a complex concept like habitats is to have participants build one of their own. In this session we will use free NASA resources to create Lunar Habitats using what we know about habitats here on Earth and the needs of those living in them.

Wednesday, June 26, 10am-11:45am

Heart function and anatomy (Max. 40 participants per session)

Will talk about basic heart anatomy and function, blood flow, heart rate, disease, and allow youth to dissect hearts from various livestock species if they are willing.

Wednesday, June 26, 10am-11:45am

Spotlight Your Skills (Max 15 participants per session)

How to highlight your 4-H experience for college, scholarship, and job applications. Workshop will cover the steps youth can take in the months prior to graduation to gather the information needed to be best prepared for applying for the next chapter of their chosen path.

Wednesday, June 26, 10am-11:45am

Fun with LEDs (Max. 20 participants per session)

Students will learn a little bit about Light Emitting Diodes (LEDs), and how to solder - they will build a small circuit that flashes a pair of LEDs and can be worn as a lapel pin.

Tuesday, June 25, 1:15pm-3:00pm

Wednesday, June 26, 10am-11:45am

Learn STEM While Teaching STEM to Kids (Max. 30 participants per session)

STEM skills such as problem-solving, critical thinking, collaboration and communication are in high demand by employers, whether you work in STEM or another field. A great way to master these skills is to teach them! STEM Ambassadors in the Think Make Create (TMC) Works program are teens and young adults who lead kids through fun, hands-on STEM activities. You do not have to be a STEM expert to participate because teaching and learning STEM is all about asking questions, trying new things, and finding your own answers. Attend this session to learn more about the TMC Works program, find out how to become a STEM Ambassador, do a hands-on STEM activity and get excited to share your STEM knowledge and skills with others.

Wednesday, June 26, 10am-11:45am

Wonders of Water: Hands-on Water Activities (Max. 25 participants per session)

Using activities from the 4-H Wildlife and Water Habitats Curriculum and Project WET, Extension's Water Outreach Interns, Skyler Bollar and maybe Siara Prpich, will provide a fun, engaging, hands-on investigation into watershed science. The workshop will conclude with youth trying out water quality monitoring techniques used by field scientists around the world. This program will highlight the sorts of water-related jobs/careers that are available.

Tuesday, June 25, 10am-11:45am

Tuesday, June 25, 1:15pm-3pm

Decoding DNA: Unraveling Genetic Mysteries in Forensics and Agriculture (Max. 30 participants per session)

This workshop will introduce students to basic concepts in animal genetics, and how we use genetics to solve real-life problems. We will begin with a short, interactive discussion about genetics and the basics of DNA as the building blocks for life. We will then extract DNA and learn how to determine the genetic makeup of an organism. Students will break into groups to solve a DNA “mystery” based on a real-life bighorn sheep poaching case. Lastly, we will regroup and discuss the future of genetics including the science behind GMOs and gene editing in animals.

Tuesday, June 25, 10am-11:45am

Tuesday, June 25, 1:15pm-3pm

Native American Art and Culture Appreciation (Max. 25 participants per session)

In this workshop Danielle Scott, U of I Extension Educator for the Nimiipuu (Nez Perce) Reservation will provide information about Native American Art and Culture. Participants will get to see different art pieces, learn some Nez Perce Language, and get to do a hands-on art activity.

Tuesday, June 25, 10am-11:45am

Let's Plant for Pollinators (Max. 20 participants per session)

This workshop will include a brief overview of pollinators and how they contribute to agriculture. We will then transplant pollinator plants and start some flowers from seeds.

Tuesday, June 25, 1:15pm-3pm

Textile Surface Design (Max. 12 participants per session)

Learn to alter the surface of a fabric through printing, dyeing and fabric manipulation in this hands-on workshop.

Tuesday, June 25, 1:15pm-3pm

Finding and Funding Your Why (Max. 34 participants per session)

"Life always seems to get in the way of our dreams! In this very interactive workshop, we play with the “what ifs,” learn how to get to your goals, turn spending and saving into a fun game, and throw some future planning into the mix for good measure. I know... it’s a tall order but we do it. “Finding and Funding Your Why” provides a fun guide to getting where you want to go. The class is very low-key, fun, and very interactive. You will leave with tools and ideas that will change how you think about your finances. PLUS... we will get “competitively crafty” with a Paint Your Own “Saving for College” Cow Bank (yours to keep) and a contest for the “most creative cow!” The winner takes a prize home!"

Tuesday, June 25, 1:15pm-3pm

Steaks and Cheese (Max. 20 participants per session)

Information about meat cookery and tenderization methods will be covered in the first part of the workshop. Hands-on activity includes students making a functional meat marinade.

The second part will cover dairy products such as butter, cheese, and potentially ice cream. Hands-on activities include students making cheese (cottage/mozzarella) and/or butter. Depending on time, some process (i.e., mozzarella) may be a demonstration for the group. "

Tuesday, June 25, 1:15pm-3pm



Livestock Veterinary Medicine (Max. 12 participants per session)

General veterinary medicine for livestock focused on cattle. A life-sized fiberglass model cow will be used to demonstrate and practice physical exam (where and how to take a temperature, heart rate, respiratory rate), where to administer injections per Beef Quality Assurance recommendations, how to use a weigh tape, and evaluate milk for mastitis. Students will then move to an indoor classroom and use microscopes to examine prepared bovine fecal samples on slides, discuss appropriate methods of parasite control in livestock, and discuss veterinary topics as they relate to 4H and careers in veterinary medicine. [OB]

Tuesday, June 25, 1:15pm-3pm

Secrets to Success: Learning to Move Through Any Interview (Max. 20 participants per session)

We aren't moving through the decades, but we are moving through our time together! Join the Idaho 4-H State Officer team to explore and move through preparing for a successful interview in any topic!

Tuesday, June 25, 10am-11:45am

Natural Resources through the Decades (Max. 50 participants per session)

Come explore the history of Forestry in Natural Resources. From how Forestry was once conducted to how the processes are done now. This will also include the several other programs in the College of Natural Resources and how they are intertwined. Our other programs include Fire Ecology, Wildlife, Fisheries, Rangeland, and Forest and Sustainable Products.

Tuesday, June 25, 10am-11:45am

Painting with Metallic Watercolors (Max. 25 participants per session)

Students will be able to learn about metallic watercolors. They will explore with materials to create their own unique work of art.

Tuesday, June 25, 10am-11:45am

Livestock & Meats Judging (Max. 25 participants per session) Youth will learn the basics of livestock judging and meat judging through hands-on experience at the Beef Center and Vandal Brand Meats.

Tuesday, June 25, 10am-11:45am

Exploring the Power of Data Science (Max. 24 participants per session)

This workshop aims to introduce youth to the exciting possibility of using data science to better understand patterns and answer questions related to animal science. Participants will learn how data analysis techniques can be applied to understand different aspects of animal science patterns. Through hands-on activities and discussions, attendees will gain insights and practical skills, such as data analysis, and data visualization, that data-driven animal science can be applied to both research and on-farm practices and is a growing career path.

Tuesday, June 25, 10am-11:45am