



THE UNIVERSITY OF ARIZONA
COLLEGE OF AGRICULTURE & LIFE SCIENCES

Cooperative Extension



CLOVER COMMUNICATOR YAVAPAI COUNTY 4-H NEWS OCTOBER 2021

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You may view a color copy of this
newsletter online at:

[http://extension.arizona.edu/4-H/
yavapai](http://extension.arizona.edu/4-H/yavapai)

Stacy DeVeau

Stacy DeVeau
4-H/STEM
Program Coordinator, Sr.

Lisa Gerber

Administrative Associate



- 4-H Enrollment is now open for 2021 - 2022 Year!
<https://4h.zsuite.org/>
- October 1 New 4-H Year Begins
- October 1 Prescott Western Heritage Foundation Scholarship
Deadline <https://www.visitwhc.org/scholarship.html>.
- October 1 Dorrance Scholarship application opens online
www.DorranceScholarship.org
- October 6 - 17 Tractor Supply Paper Clover Campaign
- October 20 Record Books due to Yavapai County Extension Office
- November 5 Shooting Sports Instructor Certification Course
Application Deadline [https://docs.google.com/forms/d/
e/1FAIpQLSfXHk9o53kFzetRyBSLogDqgowhA5MEn6PT
OMN3KljD1ShNHw/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfXHk9o53kFzetRyBSLogDqgowhA5MEn6PTOMN3KljD1ShNHw/viewform)
- November 11 Veteran's Day - Extension Offices Closed
- November 20 Shooting Sports Instructor Certification Course - Tucson



Follow 4-H

State Instagram: [uarizona4h](https://www.instagram.com/uarizona4h)
County Instagram: [yavapaicounty4h](https://www.instagram.com/yavapaicounty4h)
State Facebook: <https://www.facebook.com/arizona4h>
County Facebook: <https://www.facebook.com/YavapaiCo4H>

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RESOURCES & ACTIVITIES

Arizona Cooperative Extension has developed a plan to bring back in-person programming in phases. The phases are dependent on several health-related factors with regard to COVID-19 infection and transmission. The plan has been vetted and approved by University of Arizona leadership and began execution on Monday, August 17th, 2020.

Yavapai County is currently in Phase 3

Phase	Extension workforce	Indoor programming	Outdoor programming	Face coverings	Social distancing	Facilities
Phase 3 (Optimized)	Optimized workforce and telework	No size restrictions	No size restrictions	Follow UArizona policy and guidelines	Maintain 6-foot is strongly recommended. Maintain hand hygiene, sneeze and cough etiquette.	Increased cleaning and disinfecting. Common areas open.

HAPPY BIRTHDAY TO OUR 4-H VOLUNTEERS

Michael Vilardi
Cindy Price
Joanie Gerlach

October 15
October 18
October 28

Prescott Valley Clovers 4-H Club
Lonesome Valley Wranglers 4-H Club
Lonesome Valley Wranglers 4-H Club



The Ag at Home series may be over, but you can still view all the recordings at:

<https://extension.arizona.edu/az-4-h-ag-home>.

DORRANCE SCHOLARSHIP PROGRAMS

Providing academic and financial support to Arizona's first-generation college students



Class of 2022 Deadline:
Feb. 9, 2022

Apply Online



Dorrance Scholarship:

\$12,000

per academic year



Paying for College

The program includes a **\$12,000 scholarship** per academic year for four years. The total program is valued at approximately **\$100,000**.



Succeeding Academically

Dorrance Scholars receive more than funding for college. Recipients attend an **Orientation** and a **Summer Bridge** experience to prepare for college academics. A dedicated **advisor** meets with students regularly and **tutoring** is available if needed.



Building Camaraderie

International travel, an **innovation** experience, and cultural **enrichment** events are designed to help round out the college experience.

Questions? Contact us:

www.DorranceScholarship.org

480.405.2410

Dorrance@DorranceScholarship.org

RESOURCES & ACTIVITIES



Important Dates

In order to submit an eligible application, complete the following by:

Recommended FAFSA application completion:

■ **January 14, 2022**
_____ and _____

ASU, NAU, or UA Admission and on-campus housing application:

■ **November 2021 - February 2022**
_____ and _____

ACT registration dates:

■ **September 17, 2021**
■ **November 5, 2021**
_____ or _____

SAT registration dates:

■ **October 8, 2021**
■ **November 4, 2021**
_____ or _____

CLT registration dates:

■ **September 30, 2021**
■ **October 11, 2021**
■ **November 29, 2021**
■ **January 3, 2022**
_____ or _____

PSAT:

■ **Submit 2019 or 2020 PSAT scores**

You may be eligible if you:

- Are an Arizona resident and a current senior at an accredited Arizona high school
- Will be a first-generation college student (neither parent, stepparent, or legal guardian holds a four-year degree)
- Have a minimum cumulative 3.0 GPA (weighted or unweighted) AND minimum test scores of 1110 SAT, 22 ACT, 72 CLT, or 1050 PSAT (PSAT scores taken during your sophomore or junior year)
- Demonstrate financial need by completing the FAFSA
- Are accepted by one of Arizona's three state universities and agree to live in on-campus housing during freshman and sophomore year

2022 Scholarship Deadlines

Oct. 1, 2021 Dorrance Scholarship application opens online 10:00am

Feb. 9, 2022 Dorrance Scholarship Phase I deadline: 4:59 pm
Online form and supplemental materials due

Mar. 9, 2022 Dorrance Scholarship Phase II deadline: 4:59 pm
Writing samples and recommendation forms due

Apr. 2022 Finalist interviews

May 1, 2022 Scholarship recipients announced

More information about the application and each step can be found at www.dorrancescholarship.org.

UPCOMING EVENTS



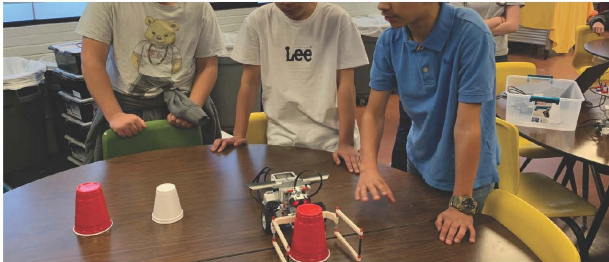
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2021-2022 STEM Projects

4-H Member projects (6th Grade-12th Grade)

Teachers and adult family members are welcome to participate to become certified 4-H volunteers
To register and for more info scan the barcode on each project



Robotics

The Robotics project introduces youth and adults to engineering and computer programming to design, build, and program small-scale Lego robots. Youth and adults collaborate in small teams and engage in learning to code a LEGO EV3 MINDSTORMS robot and develop engineering, technology and problem-solving skills. Teams compete in a state-wide competition.

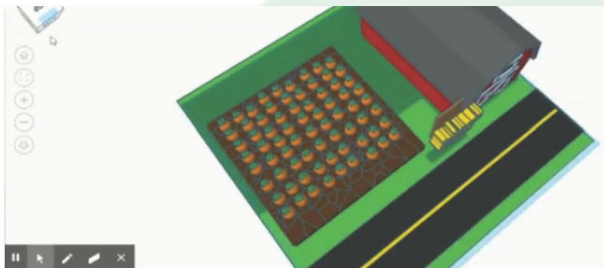
DATE Jan 3 - Mar 4 , 2022



Underwater Robotics Remotely Operated Vehicles (ROVs)

The Underwater Robotics project introduces youth and adults to an innovative ROV program that engages learners in the engineering design process focused on real-world challenges. Youth and adults collaborate in small teams and engage in circuitry, soldering, and how to build an ROV. Teams compete in a Marine Advanced Technology Education (MATE) regional competition.

DATE Feb 14 - May 27, 2022



Augmented Reality (AR)/ Virtual Reality (VR) Floating Farm

The AR/VR Floating Farm project introduces youth and adults to augmented reality (AR) and virtual reality (VR) by creating a virtual Floating Farm. Youth and adults collaborate in small teams and engage in designing and creating their own farms in AR and VR to present their work at a student showcase to family and friends.

DATE Oct 18- Dec 17 2021



Greenhouse Sustainable Energy Engineering Design (SEED) Camp

The Greenhouse SEED project introduces youth and adults to building their model scale greenhouse that engages learners in the engineering design process, applied math, scale perspectives, and the concepts of sustainable energy such as solar and wind. Youth and adults collaborate in small teams and engage in circuitry, soldering, and model construction.

DATE Aug 2 - Oct 15, 2021 (postponed)

Visit us at <https://extension.arizona.edu/4-h-stem>

UPCOMING EVENTS



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STEM Ambassadors

Become a County-level STEM ambassador and share your STEM skills and enthusiasm with others. 4-H STEM Ambassadors will learn new STEM engagement activities and become a catalyst of knowledge to their community. Each ambassador will receive a toolkit of materials for promoting STEM programs in 4-H.

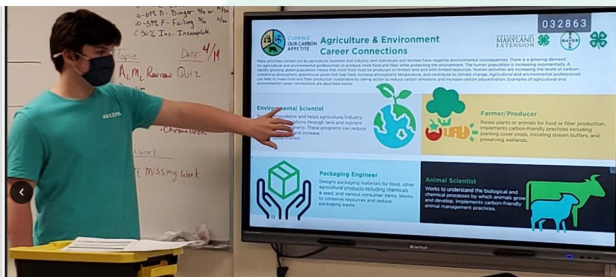
DATE Oct 22, 2021 - May 27, 2022



Tech Changemakers

National 4-H Console addresses the digital gap with the tech change makers program, empowering teens to lead digital skills training for adults in their community. The tech change maker program empowers teens and adults to take control of digital literacy and economic prosperity in their communities.

DATE Aug 1, 2021 - Mar 20, 2022



Ag Innovators Experience (AIE)

This year's Ag Innovator's Experience will have a challenge that youth leaders will be trained on and share with the community through activities and presentations. Last year's theme was "Curbing Our Carbon Appetite".

DATE Feb 1 - July 15, 2022



4-H STEM Challenge 2021: Galactic Quest

This year's 4-H STEM Challenge "Galactic Quest", kids engage in the following activities: Astro Adventure, Stellar Optics, Cosmic Claw, and Cyber Satellite. Open to teachers, youth and community clubs.

DATE Oct 1, 2021 - May 20, 2022



**4-H STEM
YOUiversity**



Electricity

Brief Description: Have you ever wondered what makes the lights work? In this session you will learn just that! Youth will explore the basic principles of electricity by completing three activities. The culminating project will be using potatoes for power.

Grade Level: K-2

Materials List:

Electricity 1 - Magic of Electricity 4-H Curriculum

Acres of Adventures 4-H Curriculum

Science Kids - Static Electricity Experiment- sciencekids.co.nz/experiments/staticelectricity.html

Anticipatory Set- (Static Electricity Experiment)

2 inflated balloons with string attached, your hair, aluminum can, woolen fabric

Plugging In

Flip Chart, marker

Bright Lights

D- cell battery, flashlight bulb, aluminum foil

Potato Power

3 potatoes, 3 paper clips, 3 copper pennies, 4 alligator clip test leads, 2.5 LCD clock or 1.5 volt LED

Book Suggestions:

Switch On, Switch Off by Melvin Berger

When Charlie McButton Lost Power by Suzanne Collins

Time Needed: 1 hour

Nebraska 4-H Learner Outcome:

Youth will develop positive interests and attitudes about science and science related careers.

Youth will develop science skills and abilities.



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

The 4-H Youth Development program abides with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.

CLOVERBUD ACTIVITIES...continued

Lesson:

Anticipatory Set: Static Electricity Experiment (Science Kids)

- This activity can be done in large groups, small groups or individually. It is a great way to get them thinking about electricity.

Activities:

- 1) Read *Switch on, Switch Off or When Charlie McButton Lost Power* 15 minutes
- 2) Plugging In 15 minutes
 - Magic of Electricity Manual page 6
 - Brainstorm a list of your favorite activities. List at least 10; put a check mark next to those that need electricity to work. Remember if the activity uses batteries it is using electricity.
- 3) Bright Lights 15 minutes
 - Magic of Electricity Manual page 10
 - During this simple activity youth will explore the connection that is needed to make a light bulb light up.
- 4) Potato Power 15 minutes
 - Acres of Adventure Manual page 66
 - Let groups create and test circuits using potatoes. You can extend this lesson by experimenting with various types produce.

Reflection:

Think-Pair-Share: Think of one thing you discovered about electricity from this session and one question that you still have. Pair up with a friend and share.

Wrap-Up:

Share examples of 4-H Electricity projects from your county.

Extension:

3 Penny Batteries

<https://www.youtube.com/watch?v=rIdPfdHeROI>

Invite a local electrician to come and present to your group

Submitted by:

Ann Fenton, Sonya Glup, Jennifer Hansen, Lisa Kaslon, and Jackie Steffen.