



# The **SOUTHEAST** **4-H SUN**

Missouri 4-H website: <http://4h.missouri.edu/index.htm>  
LIKE and SHARE our Facebook Pages  
Butler/Carter/Wayne County 4-H

## **4-H Clubs**

### **Carter County 4-H**

Robotics SPIN club

Horsemanship

Meets regularly on the 1st and 3rd Wednesday of each month from 6pm-8pm at the Harvey Reynolds arena

4-H Explore and 4-H Sure Shot Archery

Meets the 1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> Monday from 3:15-4:45 at the VB Elementary Library

Ellsinore Club

Meets on the 3<sup>rd</sup> Thursday at 6pm in the FEMA building

### **Wayne County 4-H**

Piedmont and Greenville. Like the Facebook pages for more information!

### **Butler County 4-H**

Royal Riders

2nd & 4th Wednesdays @ Qulin Lions Club & Qulin Elementary Cafeteria at 3:15 pm

Neelyville 4-H 1st & 3rd Wednesdays at Independence Baptist Church at 4:00 pm

Rombauer Rascals

2nd Saturday at Rombauer General Baptist Church at 10 am

Steppin' Up

1<sup>st</sup> & 3<sup>rd</sup> Thursdays at First United Methodist Church Poplar Bluff at 5:30 pm

Oak Grove STEM Club

2nd and 4th Thursdays at Oak Grove Elementary at 4:00 pm

House of SEMO Robotics

2<sup>nd</sup> & 4<sup>th</sup> Mondays at Faith Tabernacle Church at 4:00 pm

## **Deadlines & Events**

**April 5-** Liberty Tree Application deadline

**April 12-14-**Hunting & Outdoor Skills Leader Certification Workshop

**April 13-**State Robotics Contest, Columbia

**April 27-**Horsebowl & National Day of Service

**April 28-**Hippology

**April 30-** MOVE Ends

**May 3-5-**Western Heritage Leader Training Workshop

**May 4-** St Judes Kids Marathon and One Mile Fun Run, Horse Camp in Fairdealing

**May 11-**4-H Day with the Cardinals

**May 13-**4-H Council meeting Poplar Bluff at 4:30pm

**May 18-**State 4-H Robotics Conference

**May 20-27-**Missouri 4-H Equine Tour

**May 30-June 1** State 4-H Congress

**July 1-3** -4-H Camp at Pinecrest

## **4-H Science Experiments-**

There are many experiments attached for you to do in your club meetings. These are from North Dakota State University Extension and University of Minnesota Extension.

## **Fun Run-**

Join 4-H in the St. Jude Marathon and Fun Run on May 4 at Three Rivers College in Poplar Bluff. We would like for 4-H to have a team so if you are interested fill out the attached form and return it to the office. You can participate as a team or individually.

## **4-H Move Across Missouri (MOVE) -**

MOVE promotes physical activity and encourages youths and adults to engage in a broad range of activities such as walking, biking, running, swimming, dance, taekwondo, gardening and more. The competition period will be from February 1 to April 30. Youth and families will submit their total number of minutes logged and activities throughout the 12-week competitive period between May 1 - 15 in 4-H Online. For more information about 4-H MOVE visit

<http://www.4h.missouri.edu/4hmove/main#gsc.tab=0>

## **Farm Service Agency Youth Loans-**

The Farm Service Agency makes loans to youth to establish and operate agricultural income-producing projects in connection with 4-H clubs, FFA and other agricultural groups. Projects must be planned and operated with the help of the organization advisor, produce sufficient income to repay the loan and provide the youth with practical business and educational experience. The maximum loan amount is \$5000. Stop by the county FSA office for loan eligibility requirements, help preparing and processing the application forms.

## **Liberty Tree Application-**

In order to further preserve the legacy of the Liberty Trees, a bud-grafting program was launched, through which several bud-grafted trees were grown. Thanks to the generosity of Crader Distributing and local STIHL dealers, these bud-grafted trees will

be donated to Missouri 4-H clubs to be planted in public spaces throughout Missouri. The trees are 4-foot Tulip Poplar seedlings. There are a limited quantity of trees available for the spring. Applications will be reviewed on a first come first served basis. Attached you will find the Liberty Tree Application. The application is due by **April 5, 2019** and can be submitted to Missouri 4-H Foundation at [4hfoundation@missouri.edu](mailto:4hfoundation@missouri.edu)

Please note that all tree plantings must be done the week of April 22-28. In order to ensure that the trees are equally available across the state, only one tree per county will be available. Applications will be reviewed and we will announce recipients of the trees the week after the deadline. Please note if you have talked with our office regarding a replacement for a damaged tree please go ahead and complete the application and note that this is a replacement request.

## **Don't forget! 4-H Project Books-**

Project Leaders and members should use the 4-H project manuals/resources listed in the Clover and online to learn the skills listed for each project you are enrolled in (ages 8-18). Find the clover online at: <http://4h.missouri.edu/clover.aspx#gsc.tab=0> We have project books in the Extension Office available for checkout.

## **National 4-H Day of Service-**

National 4-H headquarters is pleased to announce the annual True Leaders in Service / National 4-H Day of Service initiative. Go to [www.4-H.org/true-leaders-in-service](http://www.4-H.org/true-leaders-in-service) for all the information and resources. 4-H'ers from around the nation will register for and engage in service projects throughout April 2019. The month of service will culminate with the National 4-H Day of Service on Saturday, **April 27**. Planning and promotional resources are available on the above website.



### **SEMO Fair Scholarship-**

The SEMO Fair Scholarship is available at [www.semofair.com](http://www.semofair.com) . Applications are due May 31, 2019. You must have exhibited at the SEMO fair to apply. It is for \$2,500.

### **4-H Family Handbook-**

Please take time to view the attached family handbook. It has a lot of great answers and resources!

### **Summers@Mizzou-**

Do you like helping people? Do you want to learn more about robots? Do you want to put your coding knowledge to work? Do you want to learn how to help your community? Are you interested in the world of business? If any of these apply to you, Summers@Mizzou is where you should be this summer. Camps are offered the week of July 14-18.

Summers@Mizzou offers five different camps: Scrub-In to a Health Career, Dog Days of Summer, Network Forensics for Hacker Trackers, Robo Palooza, and Trulaske Business Summit. These camps are offered as residential or day camps. Camps are available for a wide range of ages beginning with 12 year olds; check the registration information for the age range of each camp.

For registration and available scholarships see

<http://4h.missouri.edu/programs/summers>

For those without internet access call your local Extension Office or Teresa Bishop at 573-884-0554 for a brochure.

### **Monarch and Pollinators Mini-grants-**

Find a space, grab a shovel, and become part of the effort to save the Monarch butterfly! Missouri 4-H is proud to continue Monarch Habitat Demonstration Project Mini-grants, a cooperative effort of Missouri Department of Conservation, *Grow Native!* retailers and Missouri 4-H; funded by the Missouri Conservation Heritage Foundation. This project provides \$50 mini-grants to 4-H Clubs or members across the state **to plant and maintain monarch habitat gardens on highly visible public properties** such as county courthouses, city parks, fairgrounds, school grounds, highway right-of-ways, etc. 4-H clubs/project leaders/members will be issued \$50 vouchers by the state 4-H office that can be redeemed at *GrowNative!* plant retailers covering up to ½ of the cost of landscape plantings for each 100 square feet of habitat (~the footprint of a large SUV). Some *GrowNative!* retailers offer additional discounts to 4-H Clubs. For program specifics, applications, and other materials visit:

<http://4h.missouri.edu/monarchs/main>

### **Missouri 4-H Shooting Sports Ambassador Program-**

We selected 16 youth members from across the state having at least one representative in each region. Some of our goals in this program are to:

- Further develop their skills in leadership, public presentation, citizenship, community service, public relations and team building.
- Continue and expand their involvement in 4-H Shooting Sports beyond the shooting skills and competitive events.

This group has spent several hours planning an event that we are very excited to announce. The planning and preparation for this event fits the goals of this program very well. Please see the announcement below from one of our ambassadors.

Missouri 4-H Shooting Sports- 1st Annual End of the Year Awards Ceremony

By Hannah Persell, Missouri 4-H Shooting Sports Ambassador

Mark your calendars now! For the first time in Missouri Shooting Sports history an end-of-the-year awards ceremony will be held to recognize shooting sports participants for their achievements while competing at the 2019 State Shoot. The top 10 individuals and the top three teams will be recognized in every discipline and age group. This event will put the excitement back into participants receiving their awards! We know that receiving an award in the mail isn't thrilling and we look forward to cheering on all winners as they receive the recognition they deserve.

This event will be facilitated by the Missouri State 4-H Shooting Sports Ambassadors. Shooting Sports donors will be invited so they can see the large impact they have on our program. All state shoot participants and their families are welcome to attend. More details and a registration information will become available closer to time.

This event will be held at the Mathewson Exhibition Center on the Missouri State Fair Grounds, in Sedalia, MO, on November 2, 2019.

### Fundraising Calendars-

The NRA fundraising Calendars have arrived! Attached is the information packet with order form and an FAQ that can be helpful in sales. This is a great opportunity for fundraising that can help your county programs raise funds.

## 4-H GROWS HERE

*"The best preparation for tomorrow is doing your best today!"-H. Jackson Brown Jr.*

## Cherng Global Leadership Academy-

CGLA is now accepting applications from high school students, of all levels, for its Summer 2019 Academy.

The program runs from **June 16 through June 25, 2019.**

Participants in this 10-day residential program will explore what it means for them personally to be a leader and will be led through a series of activities, programs, workshops, and projects that will enhance their leadership traits and build their skills, while connecting them into a broad leadership network across numerous fields—from business to government, agriculture to education.

Hosted by the University of Missouri Honors College, the cost to attend the CGLA is just \$400 and includes room, all meals, leadership activities, and study materials.

Need-based scholarships are available for a limited number of participants. For more information and to apply, interested students and parents should visit the following







page: <https://honors.missouri.edu/cherng-program-in-honors/cherng-global-leadership-academy/>

Apply today! Deadline for applications is May 15, 2019.



### Strawberry DNA

Supplies:

-  Supplies:
-  – Strawberries
-  – Isopropyl alcohol
-  – Dish soap
-  – ¼ tsp salt
-  – Sandwich baggies



- ☘ – Beakers
- ☘ – Strainer
- ☘ – Tweezers
- ☘ – Water

Directions

1. Put the bottle of isopropyl alcohol in the freezer
  2. Measure 6T of water into beaker.
  3. Add 2tsp of dish soap to the water.
  4. Stir in ¼ tsp salt Extraction Solution!!
  5. Place strawberry into baggie.
  6. Pour in extraction solution.
  7. Mash the strawberry.
  8. Pour the pulp through the strainer into a beaker.
  9. Add 1 tsp of the chilled alcohol.
- Strawberries are easy to use because they have lots of DNA. Strawberries are octoploid meaning they have eight copies of DNA. Soap helps to dissolve cell membranes. Salt releases DNA strands by breaking protein chains. DNA is not soluble in alcohol, especially when it is cold!

Source – [STEM Handout provided by North Dakota State University Extension](#)



**Ellsinore 4-H making crystals out of alum.**

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**Steppin' Up Club having fun at the park!**

To get pictures or information in the newsletter email [milnersn@missouri.edu](mailto:milnersn@missouri.edu) by the 15<sup>th</sup> of the month



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