Help Support A Life Changing Experience for Youth

Dr. Richard Clark

Each year we have the opportunity to raise funds to send limited resource youth to 4-H camp. In partnership with local Tractor Supply stores, 4-H Paper Clovers are sold between October 4-15, 2017. These donations generate funds for county 4-H programs to provide scholarships to 4-H camp. 4-H camp can be a life changing experience for a young person. Please plan to visit your local store and support this worthy cause.

The Tractor Supply 4-H Paper Clover Toolkit is available at http://4-h.org/professionals/marketing-resources/
Please utilize these materials to publicize this event in your county.
Come Join Us This Saturday!
Walk-on’s Accepted!

SEPTEMBER 16, 2017 | TN STATE FAIRGROUNDS

PROCEEDS BENEFIT THE TENNESSEE 4-H PROGRAM

TENNESSEE 4-H FUNNEL CAKE 5K

RACE BEGINS AT 9:00 AM

$30 AGES 8 & UP
INCLUDES T-SHIRT & FUNNEL CAKE

REGISTER ONLINE AT:
runtsignup.com/Race/TN/Nashville/
Tennessee4HFunnelCake5K

Packet pick-up:
7:00 - 8:45 AM Saturday, September 16, at
TN State Fairgrounds

Race start time:
9:00 AM - Saturday, September 16

Arrival/parking info:
Will be emailed to all participants one week
prior to the race.

Race address:
Tennessee State Fairgrounds
500 Wedgewood Ave.
Nashville, TN 37203

Awards for:
• 1st, 2nd, & 3rd place male &
female winners in each age
group
• Master’s
• Grand master’s
• Overall 1st, 2nd, & 3rd place
male & female winners
• One random drawing for any
participant

For questions or concerns,
contact Shelby Brawner at ssummare@utk.edu
4-H SHOOTING SPORTS DATES FOR 2018
Daniel Sarver, Extension Specialist

Here are some 2018 4-H Shooting Sports dates for your calendar. More information is listed at the Tennessee 4-H Shooting Sports Web site: https://4h.tennessee.edu/Pages/shootingsports.aspx

**Level 1 4-H Instructor Certification**
Ridley 4-H Center, Columbia
January 26-27, 2018

**4-H Archery Jamboree***
Rutherford County Extension Complex
TBD
*Archery qualifying for the State 4-H Invitational in October 2018

**4-H Air Rifle, BB and Pistol Jamboree***
Date and Location TBD
*Air Rifle and Pistol qualifying for the State 4-H Invitational in October 2018
*BB qualifying for the Daisy National in Summer 2018

**4-H Shotgun Jamboree***
Nashville Gun Club
May 5, 2018
*Shotgun qualifying for the State 4-H Invitational in October 2018

**State 4-H Target Smart Camp**
Ridley 4-H Center, Columbia
July 3-6, 2018

**Daisy National BB Gun Championship**
TBD

**Level 1 4-H Instructor Certification**
York 4-H Center, Crossville
August 10-11, 2018

**State 4-H Shooting Sports Invitational**
Senior High (9-12 grade) Archery, Air Rifle, Pistol, and Shotgun Competition
Columbia, TN
October 20, 2018
**This will be a qualifying competition for the 2019 National 4-H Championships. Qualifying for this event will take place at the Jamborees in Spring 2018.

**National 4-H Shooting Sports Championships**
Grand Island, Nebraska
June 24-29, 2018
CURRICULUM CORNER
Jennifer Richards, Assistant Professor

AVAILABLE LESSON PLANS

The curriculum development team has been hard at work creating new lesson plans and working with agents to publish lessons for use in in-school clubs for this school year. Below are lesson plans that have been reviewed and are awaiting publication numbers, but are available for use now.

If you are interested in using any of the lesson plans below, please email James Swart at jswart@tennessee.edu with the name of the lesson plan(s) and they will be sent to you.

In addition to the lesson plans below, published lesson plans are available at:
https://4h.tennessee.edu/Pages/InSchoolLessonPlans.aspx
https://4h.tennessee.edu/Pages/4th-TIPPS.aspx

Sugar Cubed  Beginner (5)  Aaron Spurling
This lesson gives a hands-on demonstration of volume with sugar cubes. Students will group, add, and multiply numbers to find volume using manipulatives.

Math is Sweet!  Beginner (4)  Aaron Spurling
This lesson includes a hands-on demonstration of fractions with chocolate blocks. Students will group, add, and subtract fractions with the manipulatives.

What’s on the Inside  Beginner (4-5)  Tonya Bain
This lesson introduces students to the basic structure of plant and animal cells and the structures that make up those cells. Students also learn the three components of Cell Theory, the theory that explains the basic information we know about cells.

The Food we Eat  Beginner (4-5)  Tonya Bain
This lesson introduces students to the concept of food webs and food chains. Students explore producers, first-, second-, and third-level consumers and the roles those organisms play in an environment. Students also learn how all these organisms fit together to form a food web made up of smaller food chains.
Embryology  Beginner (4)  Lynne Middleton
This lesson introduces basic scientific principles and allows students to complete a hands-on activity related to egg candling. This lesson can be used to spark interest in an animal science project.

Cow Breeds*  Beginner (4-5)  Kayela Statom and James W. Swart
The topic of cow breeds will be discussed in detail with class with the aid of a Power-Point presentation. Pictures and general information about the breeds will be presented to the class. After the content has been presented, the class will take part in a game where they can share their new knowledge.

Cow Anatomy*  Beginner (4-5)  Kayela Statom and James W. Swart
Before the content is presented, the students will be asked to create, out of play dough, what they think a cow’s stomach looks like. After the content is presented, the students will recreate their model of the stomach. Students will also be asked to demonstrate their understanding of the content by discussing what would happen if a part of the stomach was missing.  *Not Aligned to State Content Standards

Name that Character Trait  Intermediate (7-8)  James Swart & Jennifer Richards
When authors are creating characters they take great care in naming them. There is much more to the name of a character than just what we call them, the name in many ways, describes them. This lesson explores the traits that help make characters in literature come alive.

Let’s Be Supportive  Intermediate (6-8)  James Swart & Jennifer Richards
Having an opinion is one thing, being able to support that opinion with reason over emotion is another. In this lesson, students are allowed to explore this process in a controlled environment where they are free to make mistakes and learn from their mistakes.

Let’s Make a Magnet  Intermediate (8)  Aaron Spurling
This lesson introduces the basics of electromagnetism and encourages students to think about polarity and electrical currents as they build an electromagnet.
Percentages are a Hit! Intermediate (6) Aaron Spurling

This lesson gives real-life applications for working with percentages and ratios in a sport setting, which interests many students. In this lesson, students will convert ratios to percentages and use ratios to add, subtract, multiply and divide.

Motion in the Ocean Intermediate (6) Aaron Spurling

This lesson introduces density waves in the ocean environment and explains how the temperature and salinity affects the waves. In this lesson, students will observe and interact with a density wave construction.

No One Trashes Tennessee Intermediate (6-8) Alexis Hall

Litter is a major environmental problem worldwide, and the latest “Nobody Trashes Tennessee” campaign from the Tennessee Department of Transportation empowers citizens to make positive changes in their communities to create a safer, more beautiful state.

What Does it Mean? Intermediate (7-8) James Swart & Jennifer Richards

This lesson explores different famous literary quotes. Students are presented with several quotes by well known writers and work to interpret what the author meant as a part of a team. Students gain the skill of interpreting a quote and finding its meaning, as well as learning to define new words based on context clues.

A Story of Hope Intermediate (6-8) Wendy York and Jennifer Richards

This lesson begins with a video clip from a Holocaust survivor and discuss the clip as a class. Students then work to create a word splash of acts of kindness they could perform in their community, and then create posters to promote kindness.

Secret Codes Intermediate (6-8) Wendy York and Jennifer Richards

This lesson begins by introducing students to the concept of secret codes by giving some background information. Students are then given the opportunity to decode a secret code that triggered the US’s entrance into the First World War. Students then create their own secret coded tweets.
Why did you say that? Intermediate (6-8) Wendy York and Jennifer Richards

This lesson is taught in a verbal format with a focus on creating a plan of action to improve interactions among peers. In this lesson, students will create a list of inappropriate comments they have said or heard, and share with a partner. The students will then view the video, “To This Day” that speaks to one person’s experience. Students will develop a plan of action to address the inappropriate verbal interactions in their school.

Daniel’s Story Intermediate (6-8) Wendy York and Jennifer Richards

This lesson uses Daniel’s Story to introduce the concepts. Daniel’s story focuses on the perspective of a Jewish child living in Nazi-occupied Europe during the Holocaust. Students work to create definitions of prejudice, racism, and discrimination, and then view a video prior to having a class discussion. The lesson concludes by the students preparing a poster using their new found knowledge.

Are we Connected? Intermediate (6-8) Wendy York and Jennifer Richards

This lesson is taught in a verbal format with a focus on creating a plan of action to reflect upon what quality time means. In this lesson students will view a variety of pictures that show different groups spending quality time. In these pictures, the devices were removed to emphasize focus. Students will discuss each picture and gain an understanding of what it means to spend quality time with others.

Credits and Debits Intermediate (6-7) Loren Stanford

The lesson begins by having students identify the parts of a check and register. Students learn the definition of debit and credit and give examples of each. Students then work to fill out checks and a check register based on payments by check and getting their pay check. The lesson concludes by having students select a career and determining what amount of income is left after paying their monthly bills.

Triboelectric Scale Intermediate (6) Lorie Burtts

This lesson begins with a basic static demonstration by using a balloon, and then assessing the student’s prior knowledge of static electricity. Students then work as a class to establish a Triboelectric scale using common objects, and learn how a Van de Graff generator works. The lesson concludes with a 3-2-1 assessment, and application of what they have learned to lightning strikes.
Llama Genes  Intermediate (7)  Jennifer Richards and James W. Swart

The lesson starts with students completing a KWL to assess their prior knowledge about genetics. Content is presented in a video, and then students work through several examples of Punnett Squares, both with the instructor and on their own. The lesson concludes with students drawing “genes” for a Llama and constructing a Punnett square and phenotypically correct drawings of the genetic combinations.

I Plead the 5th  Intermediate (8)  Jennifer Richards and James W. Swart

This lesson introduces students to the text of the 5th amendment of the US Constitution and allows them to read and interpret what they think it means. Students work in groups to form this opinion and then justify it to the class. The class then classifies the opinions as either loose or strict and complete a modified Frayer Model as an assessment.

Building a better mousetrap  Intermediate (6-8)  James W. Swart

This lesson starts by having students identify different adaptive designs that they encounter on a daily bases. After this, students work in groups to disassemble and reassemble a pair of eye glasses to generate ideas on how to improve the design. Students then create their own design of the pair of glasses, and conclude by establishing a working definition of adaptive design.

Building Bridges  Intermediate (6-8)  Jennifer Richards

In this activity, students will learn the actions to take for each step of the engineering design process. Each group of students will receive a kit of materials that they will use to construct a bridge. Students will then test their designs to determine how much weight can be held by the bridge they designed.

As always, if you need a specific lesson plan that has not been developed, please email Jennifer (jennifer.richards@utk.edu) or James (jswart@tennessee.edu) and we will be happy to put one together for you!
IT’S GAME TIME!
DOWN - SET - HUT, HUT... LET’S CELEBRATE

You’re invited to a
4-H TAILGATE
FOOD, GAMES, & FUN

Location:
Hollingsworth Auditorium
(on the UTK Ag Campus)
EJ Chapman Dr.
Knoxville, TN 37996

DATE | TIME
--- | ---
OCT 14 | 3 HOURS BEFORE KICKOFF


RSVP for the tailgate & a parking pass at:
tiny.utk.edu/4-HTailgate
4-H DAY at Nissan Stadium

Sunday, November 5th
Tennessee Titans vs. Baltimore Ravens

How to order tickets!

STEP ONE: Put this link into your browser: https://tiny.utk.edu/titans17

STEP TWO: Enter Passcode: 4H2017

STEP THREE: Build an account

STEP FOUR: Purchase your tickets!!!

Ticket prices start at $28 to attend this fun event!

Join us for a free 4-H Tailgate Party from 9:30 a.m. - 11 a.m. in Parking Lot R (South End of Stadium)

NO REGISTRATION REQUIRED!

Hot dogs, drinks and fun!
4-H Delivers
A free service of the Tennessee 4-H Foundation

What is the 4-H Delivers Program?
The 4-H Delivers Program is an opportunity to grow county funds through an end-of-year campaign letter. The goal is to help you obtain new donors and increase awareness of 4-H!

How does it work?
The Tennessee 4-H Foundation will complete an end-of-year mailing campaign on behalf of any county that wishes to participate. In order to make it easy and economical for any county to participate the 4-H Foundation will:
- give counties a template letter to use
- create a custom response form for your county
- create an insert highlighting the county 4-H program
- stuff the envelopes
- pay for printing and postage
- process all gifts

How does my county participate?
Counties wishing to participate must complete the 4-H Delivers County Participation Form by September 29. The 4-H Foundation will need each county to:
- create a list of 25-250 potential donors with addresses by October 27
- edit the template letter (if you wish)
- select 5 photos and 5 impact statements that you would like to highlight on the insert
- approve the custom reply form

Enroll or learn more by visiting tn4hfoundation.org and find 4-H Delivers in the Resources menu.

Questions, comments or concerns? Email Ryan Hensley, tn4h@utk.edu.

Investing in Tennessee Youth
ALEC Graduate Program

Masters of Science in Agriculture Leadership, Education and Communications (ALEC)

Online degree available!!

For more information, please visit https://ALEC.utk.edu
Or Call 865-974-7371

Carrie Ann Stephens
Professor, 4-H/ALEC

4-H PLEDGE

I pledge my HEAD to clearer thinking;
    My HEART to greater loyalty
    My HANDS to larger service; and
    My HEALTH to better living,
For my club, my community, my country and my world.

Upcoming Events

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<th>Event Date</th>
<th>Event Description</th>
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<tr>
<td>September 8-17</td>
<td>Tennessee State Fair</td>
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<td>September 16</td>
<td>Funnel Cake 5K @ TN State Fairgrounds</td>
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<tr>
<td>September 21-24</td>
<td>SRTLC—Southern Region Teen Leadership Conf.</td>
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<tr>
<td>9/28-10/1</td>
<td>4-H Volunteer Conference of the Southern States</td>
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<td>10/1-10/7</td>
<td>National 4-H Week</td>
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<td>October 14</td>
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