



COLLEGE OF AGRICULTURE
AND LIFE SCIENCES
COOPERATIVE EXTENSION



CLOVER COMMUNICATOR YAVAPAI COUNTY 4-H NEWS JULY 2017

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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.

Shirley Vasovski

Shirley Vasovski
4-H Club Program Coordinator

Lisa Gerber

Office Specialist



July 9 - 13

July 15

July 17

July 18 - 21

July 21 - 23

July 25 - 29

August 1

August 1

August 15

August 19

August 26

August 28

September 1

MoYava/Arizona Statewide Summer Camp - James 4-H Camp

Horse Show Entry Deadline for August Show

National 4-H Congress Record Books Deadline to State Office.

Arizona Livestock Camp (Holbrook, AZ)

Groom Creek Horse Campout

NRCWAY Workshop - James 4-H Camp

EXPO Committee Meeting 6:30 pm Shelby Hansen Room

4-H Online System Rollover

Deadline - 4-H/FFA EXPO Indoor Exhibits Entry

Horse Show at Olsen's in Chino Valley

1st Annual Greenlee County Showmanship Showdown

Karen Clingman Memorial Award (Scholarship) and Mandi Michael
Memorial Award Deadline

Deadline - Verde Valley Fair Entry



July 2017



Sun	Mon	Tue	Wed	Thu	Fri	Sat
						①
2	3	4	5	6	7	8
⑨	⑩	⑪	⑫	⑬	14	⑮
16	⑰	⑱	⑲	⑳	㉑	㉒
㉓	24	㉕	㉖	㉗	㉘	㉙
30	31					

Issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Jeffrey C. Silvertooth, Associate Dean & Director, Economic Development & Extension, College of Agriculture and Life Sciences, The University of Arizona. The University of Arizona is an equal opportunity, affirmative action institution. The University prohibits discrimination in its programs and activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, or genetic information and is committed to maintaining an environment free from sexual harassment and retaliation.

UPCOMING EVENTS

Don't forget to check the Yavapai County 4-H Planning Calendar!



<http://extension.arizona.edu/4h/yavapai>

Send any additions or changes to:

vasovski@email.arizona.edu

EXPO

**Prescott Frontier Days Rodeo Grounds Prescott, Arizona
4-H/FFA EXPO**

September 6-10, 2017

Important Dates and Deadlines for 2017

- Online EXPO Entry through ShoWorks is required 2 weeks prior to ear tagging.

Tips for online entry can be found here: [http:// YC4H EXPOonlineentrytips](http://YC4H_EXPOonlineentrytips)

The Premium Book can be found here:

<https://ycexpo.files.wordpress.com/2016/05/premium-book1.pdf>

You can access the entire 4-H/FFA EXPO website at <https://4hffaexpo.com/>

**If you are unable to view something or cannot print what you need,
YOU must communicate Early and Often! Thank you!!!**



UPCOMING EVENTS

EXPO....continued

Prescott Frontier Days Rodeo Grounds Prescott, Arizona

4-H/FFA EXPO Dates & Deadlines

September 6-10, 2017

Important Dates and Deadlines for 2017

Online EXPO Entry through ShoWorks at www.4HFFAEXPO.com will be required 2 weeks prior

April 1, 2017 Online Entries submitted via

4hffaexpo.com by March 25, 2017

- 10am -12pm (PFRG) Market Beef Entry, Weigh-In, and Ear Tagging

June 3, 2017 Online Entries submitted via

4hffaexpo.com by May 20, 2017

- 9am – 12pm (PFRG) All Breeding, Market Swine, Sheep, Goat, & Dog Entry, Weigh-In, and Ear Tagging
- All Small Stock entries due by 12pm

August 15th

- Indoor Exhibits entries Due

September 1st, 2nd, & 3rd

- 9am – 4pm (PFRG) EXPO Set-Up (ALL Member and Families are to Help with this Event)
- Saturday the 2nd 9am EXHIBITOR MEETING

September 6th

- 9am -3:30pm: Check-In for All Species
- 9am – 4:00pm: Weigh-In (All Market Animals Must be Weighed on Official Scale by 4:00pm)
- 5:00pm: Opening Ceremonies (Show Ring)
- 6:00pm: Dog Show (Show Ring)

Sept 7th

- 9:30am: Dairy Goat Showmanship & Conformation Show (Show Ring)
- 9:30am: Pygmy Goat Showmanship & Conformation Show (Show Ring)

- 11:00am: Market Sheep Showmanship (Show Ring)
- 1:00am: Market Beef Showmanship (Show Ring)
- 2:30pm: Market Goat Showmanship (Show Ring)
- 4:00pm: Small Stock Showmanship (Show Ring)
- 6:00pm Fair Opening Ceremonies (Main Grandstands)
- 7:00pm: Market Swine Showmanship (Show Ring)

September 8th

- 8:00am: Small Stock Conformation (TBD)
- 9:30am: Swine Conformation & Breeding Show (Show Ring)
- 12:00pm: Sheep Conformation & Breeding (Show Ring)
- 1:30pm: Beef Conformation & Breeding (Show Ring)
- 3:00pm: Market Goat Conformation & Breeding (Show Ring)
- TBD Round Robin for Small Stock (TBD)
- TBD Round Robin for Large Stock (TBD)

September 9th

- 10:00am: Buyer BBQ
- 12:00pm: Auction (Show Ring)

September 10th

- Barn closes at 4:00pm
- ALL ANIMALS CHECK-OUT 4:00-5:00pm

NOTE: Event times are approximate and may be Subject to change should circumstances require. All shows will start 30 minutes after the previous one if time overlaps.

*All Market Animals must be weighed on the official scale by 4:00pm 9/6/17!

Members with Indoor & Alpaca EXPO Entries

The link for entry of 4-H / FFA Indoor Exhibits is up. We are excited for the changes in this department. Here is the link to the department <https://www.yavapaifair.com/departments.html>. The entry form can be found on page 4 of the Premium Book.

Great news – there will be paid Premiums for class winners, division winners, and best of show.

Also, for the 4-H Story Contest, there will be paid Premiums for the winners of each age division

-1st Place \$50.00

-2nd Place \$30.00

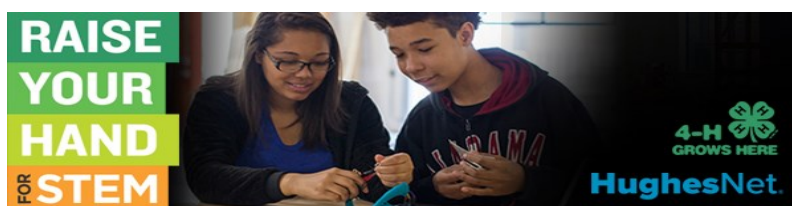
-3rd Place \$20.00

Leaders, as we near EXPO, the Indoor exhibits will need help with set up and judging.

Please contact Indoor Superintendent - Shauna Hanus 928-821-6837 for more information.

Raise Your Hand For STEM

4-H and HughesNet have teamed up to provide ten states with free access to a hands-on *4-H National Youth Science Day (NYSD)* engineering kit designed to help grow youth interest in STEM.



It's Easy to Help Your State Win:

1. **Raise Your Hand for STEM:** Go to www.4-H.org/IM4STEM to select the state you want to receive free *4-H NYSD* kits
2. **Pay it Forward:** Share your support using **#IM4STEM** to help your state get more votes towards winning
3. **Share this email:** Forward this email to your friends so they can vote and help their state win!

4-H NYSD is 4-H's annual STEM initiative that engages tens of thousands of youth across the country to perform the same science challenge on the same day. In its tenth year, *4-H NYSD* is the world's largest youth-led science challenge, reaching approximately 100,000 kids annually. This year's 4-H NYSD event will take place on **October 4, 2017**.

Incredible Wearables – a *4-H NYSD* challenge kit – encourages young people to work together to design, build and refine a wearable fitness tracker. With HughesNet's support, 4-H will give away 100 free Incredible Wearables kits to each of the winning states, reaching an estimated 10,000 kids across the country.

STEM projects teach youth critical thinking and problem solving - skills essential to navigating the challenges life throws their way.

Raise your hand to help bring an incredible science experience to the kids in your state.

Greenlee County Showmanship Showdown



August 26, 2017
Greenlee County Fairgrounds
8:00am



EIGHT BUCKLES TO WIN!

Early Bird Registration: \$20.00 due by August 11th at 6:00pm.

Late Registration: \$25.00 Accepted up until 7:30am August 26th.

Registration for ALL Greenlee County 4-H and FFA members will be \$5.00 off above set rates.

A paper registration form can be picked up from Duncan High School Ag. Dept. or Greenlee County Cooperative Extension Office.

Questions can be directed to:

Cheyenne Colville, Greenlee County Cooperative Extension Agent,
cheyannek@email.arizona.edu or (928)359-2261

Kayla Sexton, Duncan High School FFA Advisor, ksexton@duncanschools.org or
(928)792-3037

This is a showmanship only competition. There will be no market classes. This is open to all youth in Greenlee County and surrounding areas.

2017 Greenlee County Showmanship Showdown Registration

Participants Name: _____

Age Division: Jr. (9-13 as of Jan. 1) _____ Sr. (14-18 as of Jan. 1) _____

Species: _____

Group affiliation: FFA _____ 4-H _____ Other _____

County of residence: _____

Phone number: _____

E-mail: _____

Mailing Address: _____

By signing this form, I understand that my animal must be at the Greenlee County Fairgrounds by 7:00 a.m. Saturday, August 26th to be eligible to compete. Any "no-shows" who have pre-registered will not be refunded their registration fee. I also understand that the early-bird registration rate only applies if payment and registration are received by the early-bird deadline of 6:00 p.m., Friday, August 11th.

Participant signature: _____

Date: _____

Parent/ Guardian signature: _____

Date: _____

Entry fee: **Amount** (_____) **Method** (_____)

Collected by: _____

UPCOMING EVENTS....continued

Underwater Robotics and Engineering Design

A new professional development opportunity provided by **Arizona Project WET** and **Marine Advanced Technology Education (MATE)**.

July 18-21, 2017

8:30 AM – 5:00 PM

University of Arizona

Using MATE & APW materials

- ☐ Investigate the Central AZ Project delivery system
- ☐ Understand how ROVs are used in the water industry
- ☐ Engage in the engineering design, building, and testing of marine ROVs
- ☐ Develop an understanding of buoyancy, hydrodynamics, forces, energy, electrical circuitry, wiring, soldering, and control systems

Integrate ROVs into a class, club, 4-H program

See [MATE overview](#)

Benefits

Build the skills and confidence you need to teach engineering design of ROVs to students

Receive \$400 worth of tools, an ROV kit, and lessons

Your students will be eligible to participate in a mini-scrimmage, similar to regional MATE competitions, in Spring 2018

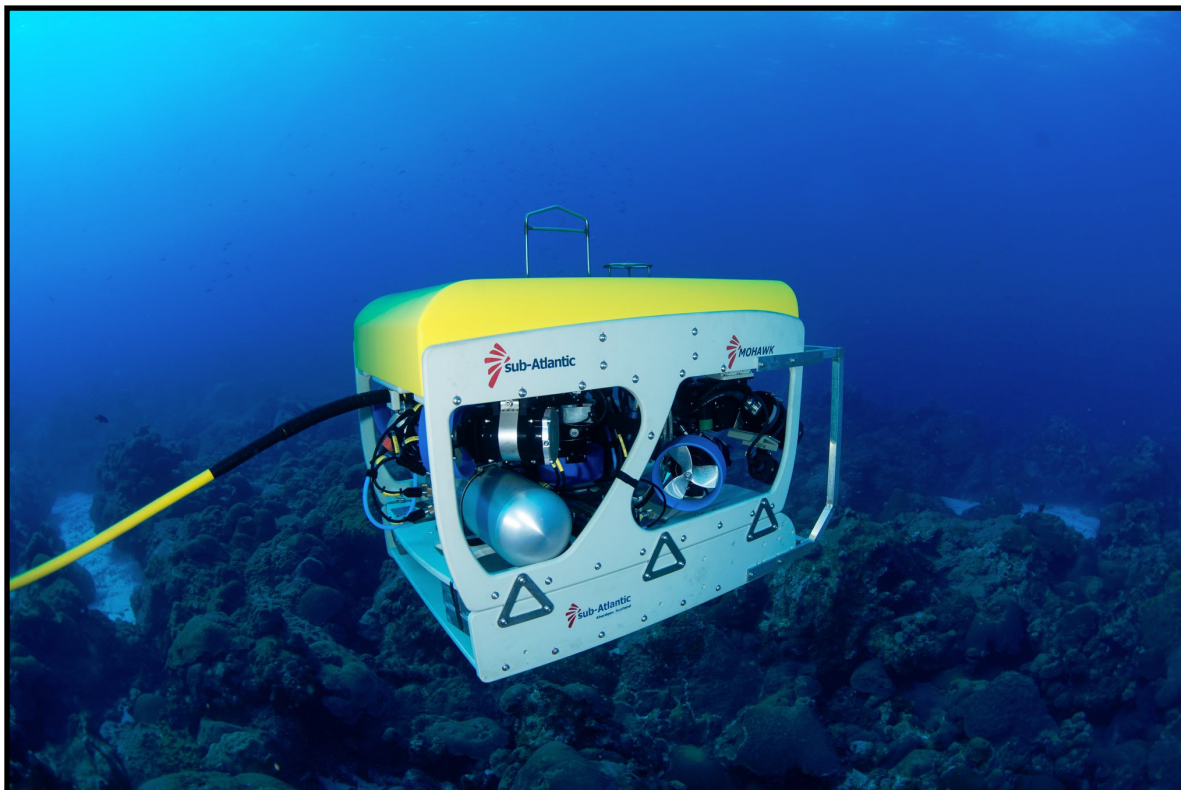
Enroll today!

\$200 registration fee required

Apply online at: <https://goo.gl/kf8uWy>

Questions? – Contact Betsy Wilkening ewilkening1@email.arizona.edu

Learn more at: <https://arizonawet.arizona.edu/> and <https://www.marinetech.org/mate-summerinstitutes-2017/>



Underwater Robotics & Engineering Design

Arizona Project WET and MATE



Investigate Innovate Integrate



Arizona Project WET in collaboration with Marine Advanced Technology Education (MATE) is providing this exciting new offering for 5th-12th grade Tucson educators!

Using MATE & APW materials:

- ✓ Investigate the Central AZ Project delivery system
- ✓ Understand how ROVs are used in the water industry
- ✓ Engage in the engineering design, building, and testing of marine ROVs
- ✓ Develop an understanding of buoyancy, hydrodynamics, forces, energy, electrical circuitry, wiring, soldering, and control systems
- ✓ Integrate ROVs into a class or club



Dates

July 18 – 21, 2017
8:30 AM – 5:00 PM
University of Arizona

Benefits

- ✓ Build the skills and confidence you need to teach engineering design of ROVs to students
- ✓ **Receive \$400 worth of tools, an ROV kit, and lessons**
- ✓ Your students will be eligible to participate in a mini-scrimmage, similar to regional MATE competitions, in Spring 2018



Enroll today!

- ✓ \$200 registration fee required
- ✓ Apply online at: <https://goo.gl/kf8uWv>

Questions? – Contact Betsy Wilkening ewilkening1@email.arizona.edu

Learn more at: <https://arizonawet.arizona.edu/> and <https://www.marinetech.org/mate-summer-institutes-2017/>



THE UNIVERSITY OF ARIZONA
**Agriculture
& Life Sciences**
Water Resources Research Center

UPCOMING EVENTS

HORSE COMMITTEE

****Groom Creek Horse Campout - July 21-23, 2017****

Mark your calendars and book your campsites **NOW!** We will be having a camp out weekend on July 21 - 23rd at Groom Creek Horse Camp. Check in is Friday at 2pm, check out is Sunday by noon. I have reserved the group picnic site in loop C. If you would like to attend, you need to get online and book your site now at:

<http://www.recreation.gov/camping/groom-creek-horse-camp/r/campgroundDetails.do?contractCode=NRSO&parkId=110536>

Book sites in Loop C - Sites #29-37 or #16-22

Each site has a non-refundable \$9.00 reservation fee.

Payment is due at the time of booking.

There is a \$10.00 cancellation fee.

You must have a horse at the campsite.

Max 5 people per site.

\$18.00 per night

Max 2 vehicles. Second vehicles in \$5.00 per night.

Dogs must be on leash or contained.

Please read all the rules for Groom Creek on the website.

Total fees:

\$18.00 per night X 2 = \$36.00

\$ 9.00 reservation fee

Total - \$45.00 plus extra vehicle (if you bring one)

If you have any questions, please ask.

See you soon!

Deanna Poppenberger

Cell 928-899-8350



HAPPY BIRTHDAY TO OUR JULY CERTIFIED VOLUNTEER LEADERS

Jennifer Hamilton
Levi Darby
Ellen Siegfried-Dodd
Jocelyn Fults

July 1
July 3
July 27
July 29

Skull Valley Trailblazers
Northern Division Livestock Club
Lonesome Valley Wranglers
Chino Valley Breakaway Latigos



SUMMER CAMPS

July 9- 13 MoYava Summer Camp

We anticipate filling all 80 camper slots very quickly. For this reason camp applications will be for 4-H members only unless space permits. Applications will be placed on a first come basis.

Check out this great [Camp Video \(link is external\)](#). Check us out on [Facebook \(link is external\)](#).

Mohave - Yavapai 4-H Summer Camp is July 9 – 13, 2017

Campers arrive 2:00 p.m. on the 9th and depart 11:00 a.m. on 13th

[Early Bird Registration](#) Before May 15, 2017

Total cost will be \$150.00 for the first member of the family, and \$130.00 per camper for each additional camper in the same family (ages 9-19). NOTE: the family discount rate applies for EARLYBIRD registrations ONLY.

[Regular Registration](#) After May 15, 2017

Cost \$170.00 for all, no discounts available.

After June 3rd Application for Members/Campers

[Camp Application for Counselors and Adult staff](#) - Due May 1st

Camp Counselors and adult staff, \$65.00

[4-H Camp Song Book 1](#)

[4-H Camp Songbook 2](#)

[4-H Camp Songbook 2 \(revised\)](#)

[Directions to camp](#)

[What to bring and not bring to camp!](#)



July 25-29 NRCWAY Workshop

An exciting opportunity for you to explore the great outdoors and experience the thrill of a unique adventure. The 53 Annual Natural Resource Conservation Workshop for Arizona Youth is an interactive camp bringing together the latest in science and natural resource technology. Mingus Mountain, in the Prescott National Forest, is the setting for learning about water, soils, plants, and other natural resources. You will discover nature by conducting experiments and completing outdoor projects. A major focus will be on natural resource basics and management techniques. This is a hands-on workshop! Youth will have many opportunities to discuss natural resource issues. Various group activities such as fishing, hiking, swimming, volleyball & horseshoes will be available during your free time.



CONGRATULATIONS

Congratulations to Jordyn Woodburn of the Northern Division Livestock Community Club for being selected to represent Arizona 4-H at National 4-H Congress. What a great honor!



Dear Jordyn Woodburn,

Congratulations! You have been selected to represent the Arizona 4-H program at National 4-H Congress based on the achievements evidenced in your Arizona 4-H Member Record Book. National 4-H Congress is one of the highest honors you can achieve in Arizona 4-H. You have been chosen because you demonstrated outstanding leadership in multiple program areas, both in and outside of 4-H; consistently set goals and kept careful records for your project; reflected upon your experiences at the end of each year; and excelled in communications, citizenship, and community service. *Keep up the great work!*

National 4-H Congress will be in Atlanta, Georgia, November 24 – 28, 2017, beginning Friday after Thanksgiving. The program will offer a variety of educational, cultural, and recreational opportunities. The Arizona 4-H delegation consists of eight youth and an Arizona Extension Faculty/Staff chaperone.

Once again, congratulations on being selected to represent Arizona 4-H at the 2017 National 4-H Congress in Atlanta. This is a signature event that you will remember for many years to come.

Sincerely,

Malisa

Malisa Grantham, Assistant in Extension
The University of Arizona, College of Agriculture & Life Sciences
Cooperative Extension & Arizona 4-H Youth Development
301 Forbes Building, PO Box 210036
1140 E. South Campus Drive
Tucson, AZ 85721-0036
520-621-5316



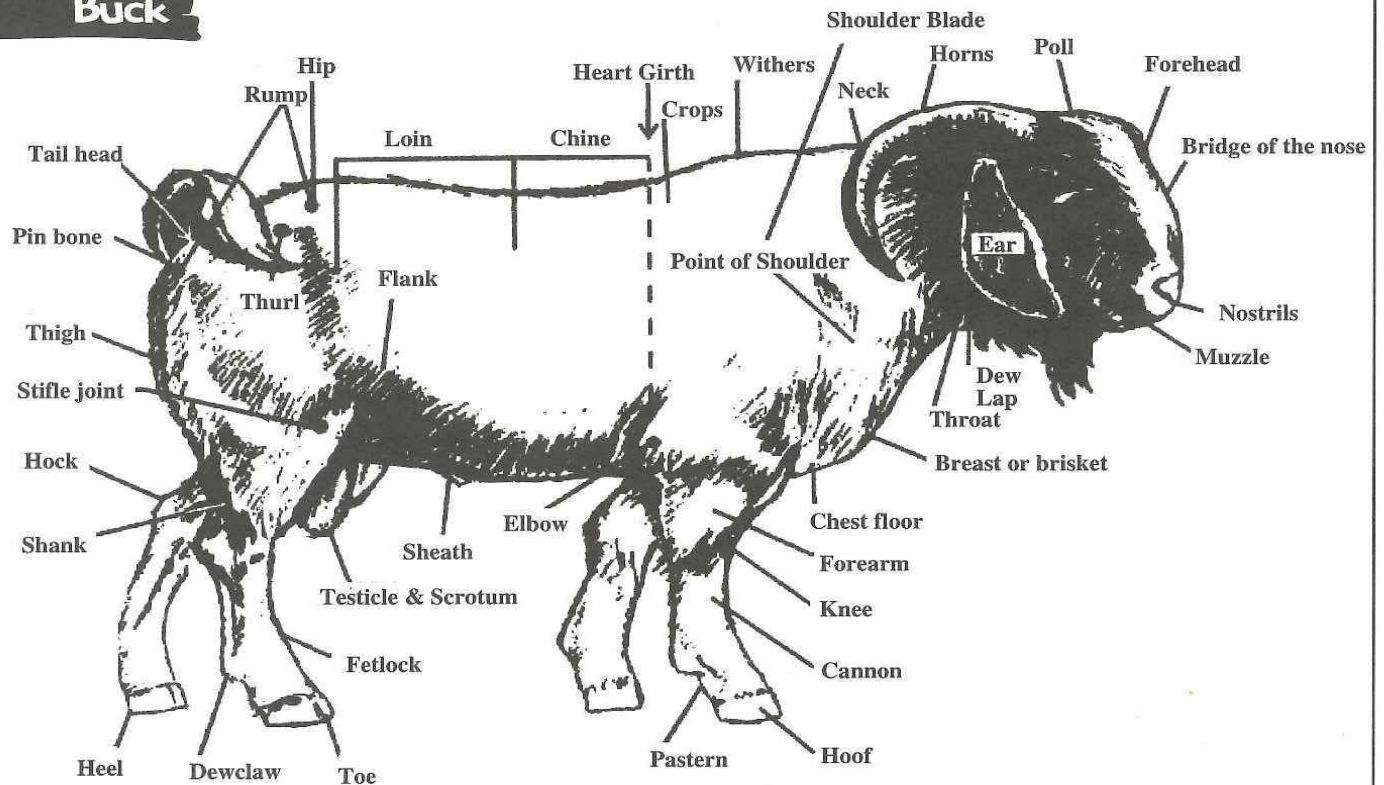
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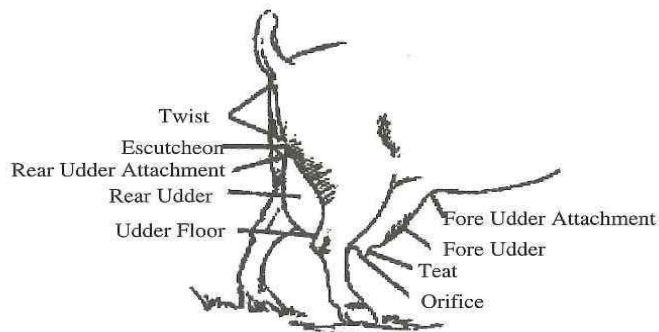


Parts of the Meat Goat

Buck

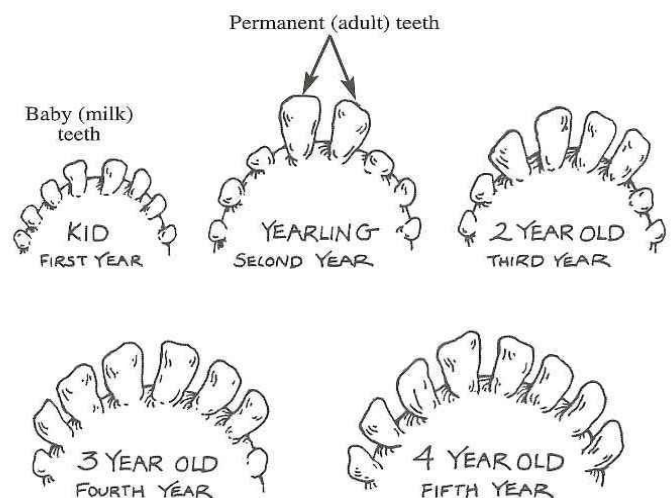


Doe



Courtesy of U.S. Boer Goat Association
Reprinted with permission

How to tell a goat's age by looking at its teeth.



From *Raising Goats for Milk and Meat* by Rosalee Sinn.
Illustrations by Barbara Carter.
Reprinted with permission.

Ruminations Discuss the answers to these questions with your helper.

Chew Your Cud (Share)

- How did you make your poster?
- What parts did you know already?

Gain Ground (Process)

- How did making the chart and attaching each part name help you learn their names?
- Why is it important to know the names of parts?

Forage for More (Generalize)

- How could you use this same learning method to help you learn about something else?
- In what other areas of your goat project is there a lot of new information to learn?

Wattle You Do Next? (Apply)

- How can you help others learn the names of goat parts?
- What other ways could you learn about meat goat parts?



- You can use a "weight tape" to measure an animal's heart girth and estimate its weight.
- Another term for "hip" is "hook."

Meat of the Matter

From Toe to Tail

Your goat chart should definitely include the parts listed below and those shown on the meat goat on page 5. There are a lot of terms here; don't feel bad if it takes you several years to learn all of them! Check them off as you learn each part.

- | | |
|--|---|
| <input type="checkbox"/> Neck | <input type="checkbox"/> Rump |
| <input type="checkbox"/> Point of shoulder | <input type="checkbox"/> Twist |
| <input type="checkbox"/> Ear | <input type="checkbox"/> Back |
| <input type="checkbox"/> Heart girth | <input type="checkbox"/> Loin |
| <input type="checkbox"/> Poll or crown | <input type="checkbox"/> Chine |
| <input type="checkbox"/> Brisket or breast | <input type="checkbox"/> Rib |
| <input type="checkbox"/> Chest floor | <input type="checkbox"/> Crop |
| <input type="checkbox"/> Barrel | <input type="checkbox"/> Withers |
| <input type="checkbox"/> Forehead | <input type="checkbox"/> Shoulder blade |
| <input type="checkbox"/> Point of elbow | <input type="checkbox"/> Stifle |
| <input type="checkbox"/> Bridge of nose | <input type="checkbox"/> Horn |
| <input type="checkbox"/> Knee | <input type="checkbox"/> Cannon bone |
| <input type="checkbox"/> Nostril | <input type="checkbox"/> Wattle |
| <input type="checkbox"/> Toe | <input type="checkbox"/> Forearm |
| <input type="checkbox"/> Eye | <input type="checkbox"/> Hock |
| <input type="checkbox"/> Sole | <input type="checkbox"/> Coronary band |
| <input type="checkbox"/> Muzzle | <input type="checkbox"/> Saddle |
| <input type="checkbox"/> Heel | <input type="checkbox"/> Flank |
| <input type="checkbox"/> Jaw | <input type="checkbox"/> Shank |
| <input type="checkbox"/> Dewclaw | <input type="checkbox"/> Pelvic girdle |
| <input type="checkbox"/> Throat | <input type="checkbox"/> Ear canal |
| <input type="checkbox"/> Hoof | <input type="checkbox"/> Anus |
| <input type="checkbox"/> Dewlap | <input type="checkbox"/> Scent glands |
| <input type="checkbox"/> Pastern | <input type="checkbox"/> Eyelid |
| <input type="checkbox"/> Fetlock | |
| <input type="checkbox"/> Thigh | |
| <input type="checkbox"/> Pin bone | |
| <input type="checkbox"/> Tail head | |
| <input type="checkbox"/> Tail | |
| <input type="checkbox"/> Thurl | |
| <input type="checkbox"/> Hip | |

DOES:

- ☐ Milk vein
- ☐ Udder
- ☐ Teat
- ☐ Orifice
- ☐ Floor of udder
- ☐ Fore udder attachment
- ☐ Fore udder
- ☐ Medial suspensory ligament
- ☐ Rear udder attachment
- ☐ Escutcheon ("es-KUTCH-on")
- ☐ Vulva
- ☐ Side udder attachment
- ☐ Rear udder

BUCKS:

- ☐ Scrotum
- ☐ Testicle
- ☐ Prepuce
- ☐ Penis
- ☐ Sheath

Udder Ideas

After doing these activities, talk about the results with your helper.

1. Sponsor a skillathon station where you help others learn the names of meat goat parts using your new meat goat parts poster.

The Mystery of Water and Oil

Do water and oil mix? Let's try mixing water and oil to see what happens!

Make a prediction! What do you think will happen to the water and vegetable oil when they get put into the same container? _____

Materials: Plastic Bottle with Lid
Food Coloring
Water
Vegetable Oil
Funnel
Measuring Cup



Procedure:

1. Place $\frac{1}{2}$ cup of water into the plastic bottle.
2. Add a few drops of food coloring to the water.
3. Add $\frac{1}{2}$ cup of vegetable oil to the plastic bottle and secure the cap on the bottle.
4. Observe the location of each liquid. Which liquid is on top? _____
Which liquid is on the bottom? _____
5. Time to shake! Make sure the lid is secured tightly and shake up the bottle. What happens to the liquids? _____
Where is each liquid located now? _____
5. Let the bottle rest on a flat surface for 2 minutes and observe what happens. What happened to the oil and water? _____

Which liquid do you think is lighter? _____
Why? _____



SUBMITTING TO CLOVER COMMUNICATOR

To all 4-H club leaders and members

If any clubs, youth, or leaders have any club updates, events, or 4-H stories they would like to share in the Clover Communicator please send them to me by the 25th of every month. We would love to hear what your club is doing in Yavapai County. Pictures are always welcome! In your information, include the 5 W's: Who, What, When, Where, and Why. If you are promoting a 4-H related event, also include contact information or how participants can get involved.

The Clover Communicator is published on the 4-H website AND the Yavapai County 4-H Facebook page. Many people look at the newsletter on the website and FB page to find out what clubs are doing and where they want to join. It's an excellent way to promote your club and members.

Send your information to lgerber@cals.arizona.edu and we'll include it in the Clover Communicator!

ListServ Reminder: Do Not Delete

The ListServ is used by the Extension office to send out important information to 4-H members and leaders. Please, do not delete anything before reading it if the mail is from the ListServ. We have had many complaints about community members not receiving any information about events, only to find out they never read the Listservs because they do not recognize who it is from. Any ListServ emails are sent

Newsletter Printed Copy Subscription

All newsletters are emailed and also posted on the Yavapai County 4-H website under the newsletter tab. If you would like to receive a copy of the newsletter mailed to you, the cost is \$21 per year for an annual subscription of 12 issues (which is cost recovery only). Late subscriptions will not be prorated. The subscription year runs from October 1 through September 30.

Make checks payable to University of Arizona and mail to:

University of Arizona Yavapai County Cooperative Extension
2830 N. Commonwealth Drive #103
Camp Verde, AZ. 86322

Name _____
Address _____
City, State, Zip Code _____

The University of Arizona
Cooperative Extension, Yavapai County
840 Rodeo Dr., Bldg. C
Prescott, AZ 86305

Return Service Requested



**We would love to hear from you! Email your club's activities
to lgerber@cals.arizona.edu or submit by mail to:**

Lisa Gerber, Cooperative Extension, Yavapai County
2830 N. Commonwealth Dr. Suite 103, Camp Verde, AZ. 86322