

Tuesday News



**Thank You
4-H Volunteers for
Your Continued
Support**



4-H

WASHINGTON STATE UNIVERSITY
EXTENSION

Tuesday News – March 14, 2023

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Features

Skagit County Youth Wins Big at Goat 4-H

By [Marla Bronstein](#), Skagit Talk



*Dylan loves the animals on his family farm, especially the goats.
Photo credit: Lesley Keefer at Focus Photography*

Dylan James Gillig – a current high school senior – and his younger siblings Jonah, Jonas, and Victoria currently live on a farm with their parents in Sedro-Woolley. The farm is large enough to manage crops, cows, goats, chickens, ducks and lambs. Farm life affords advantages, including the ability to easily do animal 4-H.



*Dylan performs his herdsman duties with his coach by his side at a fair.
Photo courtesy: Kristen Fairbank*

Dylan is a charter member of the Sties and Stalls 4-H Club, started in 2018 by his aunt, Heather Fairbank. Heather lives in Snohomish County, but comes up to Skagit for weekly meetings. There are about a dozen kids under the age of 18 in her group, including Dylan and his siblings. Dylan joined with his baby goat, Wiggles, first training the kid to walk on a lead.

“I like goats and cows,” says Dylan.

At the time, Dylan was an eighth grader, but not your average student. “When we started in 2018, the first goal was for Dylan to hang on to the leash,” says Heather. That’s because Dylan was born with ventricular septal defect, meaning part of his heart was not intact. This was only one of the many physical manifestations of his being born with Down syndrome. He is also legally blind, and while he can see with his glasses, printing has to be very large. He can’t see depth. When walking in new places or going up and down stairs, oftentimes he’s holding on to somebody’s arm. This can make walking an energetic goat kid difficult. But Dylan wasn’t about to give up.

By summer of 2022, Dylan was able to master a maneuver called stacking the feet, to properly present Wiggles to the judges while showing at the Evergreen State Fair. The result was a winning one. “He ended up with a fistful of ribbons at the Fair, including a rosette for the Champion Top Boy Pigmy Goat for Body Confirmation,” Heather shares.



Dylan participates in 4H competitions, and has won many ribbons for his showmanship. Photo courtesy: Kristen Fairbank

He's stellar showmanship and is enthusiastic to share his knowledge with anyone willing to listen. "When he's at the fair and people come to look at the goats, he'll walk them through the whole barn, and show them everything," shares Kristy. "People enjoy it, and then thank him for his time. Sometimes I actually have to usher him away."

"People ask for him to show them around," adds Heather.

Dylan loves being part of his 4-H club, attending every meeting and participating in the lessons and practices. At the end of each 4-H meeting, Dylan is responsible for the group sendoff, with his parting message to each participant being "Good job, high five!"

High School and Beyond for Dylan Gillig

When Dylan was born, his mother Kristy was more concerned with him surviving, much less graduating from high school. His first open heart surgery was at 4 months of age. "They had to build his heart chambers," shares Kristy. "The surgery took quite a bit of time and they weren't able to fix another problem, a mitral valve defect. They were hoping he would outgrow it. He'll eventually have to have a micro valve replacement." For this, he has regular heart checks in Seattle.

With all of his challenges, Kristy is hopeful for Dylan's future. She credits his possibilities and is grateful for both the educational and social experiences he has had since birth, both from his teachers and community service partners.



Dylan and his younger brother Jonah collaborate at the Tech Barn at the Evergreen State Fair. Photo courtesy: Kristen Fairbank

After his 2023 high school graduation, Dylan will transition to the [ATTIC](#) program offered in Burlington. This three-year program focuses on independent living skills for the first two years, then it transitions to vocational training.

Once the ATTIC program is completed, Kristy doesn't have anything pinned down for Dylan. She has not been able to find an adult-focused social or vocational program in Skagit County that fully supports families with impacted adult children, or to assist with respite care.

"It's even more lacking in the eastern part of Skagit County," says Kristy. "In Bellingham, there is more community involvement and more transitional support than there is currently Skagit County. I'd love to see that grow in Skagit County. I want to use the opportunity to advocate, for not just Dylan, but individuals like Dylan, so that they have citizenship. I think that's the biggest part, being able to be a citizen in the community. To have a meaningful citizenship."

The family is preparing to make big decisions regarding how they can best support their whole family. "You know," Kristy says, "I'm being realistic that I don't think he's going to live independently. But some semi-independence would be great. For example, cooking is something that we continually work on. One of his recent goals is to work on visual recipes and follow the steps in the pictures. We've color coded his tablespoons and cups and then match it so that he can follow the recipe. But, operating a gas stove is probably not going to be in his repertoire. Fully independent living is probably not gonna happen. Some semi-independence is our hope for him. We're hoping that we can find some social outlet for him in Burlington and Skagit County. The social component is actually the most important part for us."

As for Dylan, he is looking forward to going on his choir trip to Disneyland, the senior field trip and his last [Skagit County Fair](#) has a 4-H member showing his goats. He would love to come visit in 2023.

Submitted by Ashley Hernandez-Hall, WSU Snohomish County Extension 4-H

4-H Market Poultry Zoom on March 26th



4-H Market Poultry



**Sun., March
26th, 2 PM**

**This presentation is for any
youth or volunteer who has
an interest in market poultry
and how to get started.**

Brought to you by the WSU Extension 4-H Youth
Development Small & Companion Animal Committee

If you are working on a Market Poultry Project and need to get some basics or more advanced info, join us on Sunday, March 26th , at 2:00 PM. We will cover fryers, turkeys, ducks, and geese, with the focus being on fryers and turkeys. This program is open to all, not just 4-H youth. Find the pre-registration link below.

Hi there,

You are invited to a Zoom meeting.

When: Mar 26, 2023, 02:00 PM Pacific Time (US and Canada)

Register in advance for this meeting:

<http://bit.ly/3ThEDKH>

After registering, you will receive a confirmation email containing information about joining the meeting.

We hope to see you then!

Pam Watson, M.Ed., pwatson@wsu.edu
WSU Lewis County Extension
4-H Youth Development Agent, WSU Faculty

Recording of Statewide 4-H Photography Club, Third Meeting



Recording of Statewide 4-H Photography Club, Third Meeting

<http://bit.ly/3Te3HT5>

Please find the recording of the Statewide 4-H Virtual Photo Club, 3rd meeting at the above link.

We held our third Statewide 4-H Virtual Photography Club meeting, "Tell the 4-H Story," on February. 12th . Thank you to those who joined us live and

participated! We recorded that meeting because the educational portion from the third meeting is the photo challenge assignment for the next meeting.

What did we cover? We covered the 4-H Story (4-H Record Books), News articles, Journalism, Storyboards, and Theme boards.

Our meetings are open to anyone interested in learning more about the 4-H photography project or photography in general.

We are trying a new system for capturing data on our post-workshop survey. Please follow the link in the video or chat box to take the survey when you finish watching the recording.

Thanks, I hope you learn something new!

Pam Watson, M.Ed., pwatson@wsu.edu
WSU Lewis County Extension
4-H Youth Development Agent, WSU Faculty

Food Preservation Requirement Completion – Guidelines for 4-H Food Preservation Leadership

Jana Ferris

After further review, the following will be accepted as meeting the requirement of having completed food preservation training to leader 4-H Food Preservation Projects:

4-H Food Preservation, <https://extension.wsu.edu/4h/for-volunteers/volunteer-training/>

Master Food Preserver (MFP) – active participation in the program

Consumer Food Safety (CFS) – currently serving as a CFS advisor for WSU

To demonstrate serving as an active MFP or CFS, the supervising faculty, staff, or county director sends an email affirming your participation to the Extension Volunteer Development Specialist (ferrisj@wsu.edu).

Also, we will be reviewing the requirement in the next few months and determine what, if any, future training might be required. Stay tuned for further information.



Graphic – WSU Kitsap County Extension 4-H

The WSU Horse Course is Back – In Person!



Mark your calendars for April 8th! The WSU Horse Course is back – in-person! Open to youth 12 years old and up, this is a wonderful opportunity for members and adults alike to gain more equine knowledge and tour the WSU Veterinary College. Use the link in the flyer to sign up!



Lectures		Demonstrations	
<ul style="list-style-type: none">• Lameness Evaluation• Recognizing Signs of Colic• Toxic Plants of the Palouse• Dental Examination• Infectious Diseases• Managing the Mare for Artificial Insemination: It is Not as Simple as it May Appear		<ul style="list-style-type: none">• Dental Float• Limb Bandaging• Upper Airway Endoscopy• Colic Ultrasound Workup• Equinosis Lameness Locator	
Tickets	\$40	OR	\$35
Include Lunch & Teaching Hospital Tour		Individual	Group of 10+
Location: WSU College of Veterinary Medicine, Pullman, WA			
For more information & tickets visit: https://wsuhorsecourse.weebly.com/			
Contact Elizabeth Evans: elizabeth.g.evans@wsu.edu			

Live sign-up link: <https://wsuhorsecourse.weebly.com/>
Contact – Elizabeth Evans: elizabeth.g.evans@wsu.edu

“Cougs Give” Fundraiser on April 12th To Highlight Washington State 4-H!

Denise Echelbarger



On April 12, 2023, please join the WSU Cougar Family celebrating our achievements, learning about what’s next in research and growth, honoring our generous donors, and exploring what we can imagine and accomplish when we ask the question, “What if...?”

WSU CAHNRS will be highlighting specialized funding priorities for #CougsGive 2023. **How exciting is it that the WSU Washington State 4-H Excellence Fund has been chosen to be highlighted?** Please help WSU spread the word by signing up as a #CougsGive Ambassador and sharing your own stories, and then join us in supporting WSU’s future by making a gift on April 12.

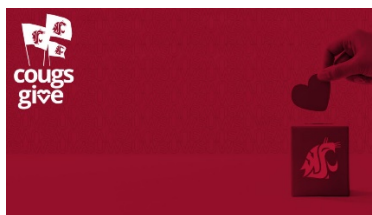
Save the date to support the Washington State’s 4-H Youth Development Program for #CougsGive 2023 on April 12. Your support empowers Washington State University to serve its land-grant mission to the state and provide life-changing programming for all 4-H members.

Go Cougs!

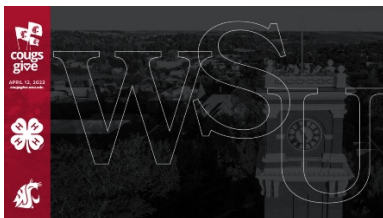
Join the #CougsGive 2023 “behind the scenes” excitement by signing up to be an ambassador and downloading these 4-H #CougsGive Zoom backgrounds for your meetings.



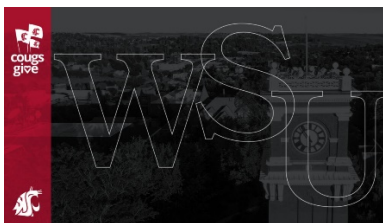
[cougsgive – WSU/4-H Crimson](#)



[cougsgive – WSU Crimson](#)




cougsgive – WSU/4-H Granite



cougsgive – WSU Granite

And please join us in being a dedicated 4-H community on April 12, 2023, by:

1. *Creating a match or challenge to inspire others to give*
2. *Making a gift to the fund of your choice*
at <https://cougsgive.wsu.edu/cahnrs> on April 12th, 2023.
3. *Signing up to be an Ambassador this year at <https://cougsgive.wsu.edu>.*



cougsgive

#CougsGive – April 12, 2023

What is #CougsGive?

CougsGive is Washington State University's annual day of giving. This event uses social media, gift matches and challenges, and ambassador sharing to generate excitement and support for system-wide initiatives. At its core, #CougsGive is a day to celebrate the impact of philanthropy, unite donors around that message, and generate support for WSU.

How You Can Help:

1. Provide a **match or challenge** to encourage others to give
2. Sign up to be a **Cougar Ambassador**
3. Give a gift on April 12 during #CougsGive at cougsgive.wsu.edu/cahnrs

Be a Match or Challenge Donor

The impact of challenge gifts during #CougsGive can't be overstated. These gifts inspire competition, drive engagements, encourage repeat site visits, and provide a focused source of advocacy from Cougar Ambassadors. The numbers bear this out year-over-year:

- On average, a #CougsGive area that adds its first challenge gift sees a 135% increase in total gifts and a 234% increase in total dollars.

Structure your Match or Challenge

- **Challenge Gifts:** Milestone-based gifts that activate in full when a specified donor count or dollar amount has been attained.
- **Matching Gifts:** Unlock additional dollar-for-dollar funds on per-donor or per-dollar basis.

Special match/challenge ideas:

Anonymous: ☐ Yes ☐ No

If no, name(s): _____

What fund do you want to challenge or match?

<input type="checkbox"/> All of them	<input type="checkbox"/> CAHNRS Community Scholarship Fund
	<input type="checkbox"/> WSU Master Gardener Endowed Chair Fund
	<input type="checkbox"/> Laurel Hansen Entomology Fund
	<input type="checkbox"/> V&E Student Support Fund
	<input type="checkbox"/> 4-H Excellence Fund

Contact CAHNRS Alumni & Development to participate.

CAHNRS Priorities for #CougsGive

What if we were more resilient? More able to face the unexpected, adapt for the future, and build stronger, healthier communities?

With your help, the College of Agricultural, Human, and Natural Resource Sciences is fostering a more resilient Washington.

Turn "what if" into reality and support the future you want to see by giving a gift today during #CougsGive.

Support CAHNRS now!
<https://cougsgive.wsu.edu/cahnrs>

Student Support

The newly established CAHNRS Community Scholarship Fund creates scholarships that assist students with financial need, a strong work ethic, and potential for success, helping them stay in school despite unforeseen expenses and hurdles.

Support student success today!

Health and Sustainability


The WSU Master Gardener Endowed Chair Fund aids volunteer-driven, science-based training to empower Washingtonians to grow healthy, sustainable gardens for food, health, and community. The Chair will engage with CAHNRS departments and leadership to ensure that the 4,000 master gardener volunteers across the state are equipped with the best horticultural science. These volunteers serve in local communities helping to protect natural resources, grow groceries, and explore the health benefits that gardening, and the outdoors, brings to body and soul.

Support Master Gardeners today!

Service and Outreach

The 4-H Excellence Fund supports programs that inspire and support teens to become achievers and leaders in today's world. Through 4-H, teens explore STEM, agriculture, civic involvement, healthy living, and learn how to make thoughtful decisions and be productive members of their communities long before they are preparing college applications to become CAHNRS Cougs.

Support 4-H youth today!



WASHINGTON STATE UNIVERSITY
College of Agricultural, Human,
and Natural Resource Sciences



April 12, 2023

WHAT IS #COUGSGIVE?

#CougsGive is a one-day fundraising event dedicated to expanding, sharing, and celebrating the impact of donor support at Washington State University. Generous donors are the foundation of student success, and on April 12, 2023, the Cougar family will come together and give to the scholarships, programs, and experiences that set WSU apart.

JOIN US THIS YEAR AS A COUGAR AMBASSADOR!

Becoming an ambassador is easy. Visit cougsgive.wsu.edu, create a Cougar Ambassador account using either your email or Facebook login, and then you'll receive email verification to activate your Cougar Ambassador account. That's it!

Check out your dashboard. Once you have verified your email, visit your personal Cougar Ambassador dashboard through cougsgive.wsu.edu. You'll be able to easily share to social media and email, as well as create a custom giving link for sharing with your fellow Cougs. Through this dashboard, you can see how many people have clicked on your posts, AND see how many gifts you have inspired through your sharing!

WHAT IMPACT WILL YOU MAKE?

Share your story. Post on your social media accounts, send emails, text your closest Cougs! Share what makes WSU special, what it means to be in the Cougar family, why you give, and why others should give, too! Include your giving link in your posts so others can give with just one click.

Challenge your fellow Cougs to increase the impact. Recruit your family, friends, acquaintances, and fellow Cougs to register as Cougar Ambassadors at cougsgive.wsu.edu! Join the celebration and create a lasting impact for current and future Cougs through philanthropic support.

Every gift makes a difference during #CougsGive. Show your Cougar pride and give to your areas of passion at cougsgive.wsu.edu on April 12, 2023.



WASHINGTON STATE
UNIVERSITY



Save the Date! Teen Conference is Back!



Conference information can be found at <https://extension.wsu.edu/4h/stc/>

SUBMIT A WORKSHOP PROPOSAL FOR TEEN CONFERENCE!

Please consider submitting a proposal to present a workshop at the conference. We also encourage youth to present. The deadline for submissions was March 1, 2023 to be considered for this conference, but proposals are still needed.. The Request for Proposal Form can be found by clicking [HERE](#). Proposals can be submitted via email to Kelly.a.stewart@wsu.edu or via Qualtrics at https://wsu.co1.qualtrics.com/jfe/form/SV_b7xSP2wuXUN3tkO



**Building
your
Future**
Washington State 4-H Teen Conference



Who: Washington 8th–12th grade youth
(completed 8th grade by conference)
& adult chaperones

What: A three-day conference with workshops
and tours focused on career exploration,
college readiness, leadership and life
skill development

Where: Washington State University
Pullman Campus

When: June 20-23, 2023



<https://extension.wsu.edu/4h/stc>

Registration Opens in April!

Introducing Q and A Sessions for the Washington 4-H Horse Program!

Have questions about the Washington 4-H horse program? We are planning to have a monthly Q and A for leaders, parents, members, and staff on the third Thursday of each month via Zoom from 6:30 to 7:30 pm. Zooms will start in February and run at least through June.

The next Q and A will be Thursday, March 16th. No need to register...just come and join the zoom by 6:30 pm.

There will be no specific topics for this first zoom but will be around the theme/parameters of horses and youth development. It will be more than “what are the rules.” However, there will be time set aside for input on future topics for the subsequent Zooms.

The Zoom meeting ID is 452-082-9765 with no passcode. You must have a zoom account to participate.

The meeting will be facilitated by Jennifer Leach, WSU 4-H Equine Specialist. If you need further clarification of the meeting, feel free to contact Jennifer at jleach@wsu.edu




State 4-H Ambassadors Present the 4-H Youth of the Month for March!

The Washington State 4-H Ambassadors recognize the 4-H Youth of the Month honoree for March, Raeley Barnes of Clark County! The Ambassadors are proud to highlight 4-H youth monthly throughout the year!



4-H YOUTH OF THE MONTH





Raeley Barnes

Senior

Clark County

Raeley Barnes

Senior

Clark County

PROJECT:

Rabbits

Washington State 4-H

Favorite Part About 4-H: Raeley loves opportunities to educate others about her project rabbits, mainly how to take care of rabbits, groom them, and name the different varieties.

Favorite Hobbies: Raeley loves sketching, participating in her art club, and playing basketball for her school.

Favorite Art Medium: Pencil sketching and digital art

Favorite 4-H Memories: She was honored to receive a Special Award for her first rabbit showmanship at fair.

Favorite Food: Steamed crab with butter

Future Career: Raeley is hoping to pursue something in the science industry, such as engineering or physics.

What Has 4-H Taught You: Responsibility both in taking care of her animals and completing her club member activities.

Favorite Ice Cream: Moose Tracks

Project You'd Like to Do: Raeley would love to show Boer goats or pursue photography.

Favorite Vacation: Yellowstone National Park this past summer, where she got to see the Steamboat Geyser.

Years in 4-H: Raeley's been in 4-H for 2 years.

Favorite Service Project: Volunteering at the Food Bank, and bringing rabbits to nursing homes.

If you have any questions about the State Ambassadors, or are interested in joining, please email wa4hsa@gmail.com. We hope to hear from you!

Pierce County Leaders Council Presents April Fun'Raiser



Get a jump on qualifying shows and county fairs! The Pierce County Leaders Council Fun'Raiser is an open show for cats, dogs, and horses happening on April 29, 2023 at Frontier Park in Graham, WA. Get extra experience in the ring or arena!

Fun'Raiser is open to all ages and is open to the general public. The Cat Show offers Fitting & Showmanship, Type and Agility. The Dog Show offers Showmanship, Obedience, Rally, and AKC-Canine Good Citizen Test and Novice

Trick Test. The Horse Show offers Showmanship, Performance, Driving, In-hand, and Western Games.

Times and fees vary based on individual animal type. More information can be found at <https://extension.wsu.edu/pierce/4-h/current-member-leader-info/>.

For the Dog Fun'Raiser Flyer, [CLICK HERE](#)

For the Horse Fun'Raiser Flyer, [CLICK HERE](#)

Explore 4-H with WSU Extension Recording – Basic 4-H Cat Project



Recording-Basic 4-H Cat Project



**From March 5th,
2023**

**This presentation is for anyone who
has an interest in the 4-H Cat Project
and how to get ready for a show.**

Brought to you by the WSU Extension 4-H Youth
Development Small & Companion Animal Committee

Explore 4-H with WSU Extension – Recording -Basic 4-H Cat Project

This presentation is for anyone who has an interest in the 4-H Cat Project and how to get you and your cat ready for a 4-H Show. 4-H Volunteer Caroline Vadino presents with us on Explore 4-H with WSU Extension the “Basic 4-H Cat Project” from Sunday, March 5th, 2023. You can find the recording for this presentation at <http://bit.ly/3Zlo3Wk>.

There is a short survey at the end of the presentation with a link that will take you to a WSU Qualtrics page, please take a few minutes to complete the survey.

Thank you and enjoy the workshop,

Pam Watson, M.Ed.

WSU Lewis County Extension

4-H Youth Development Agent, WSU Faculty

Statewide 4-H Virtual Photo Club March meeting Scheduled for March 12thRECORDING! Backyard Flock -Poultry Housing, Part 2, Chicks 8-28 Weeks



Backyard Flock Poultry Housing-Recording

Part 2, 8 Weeks- 28 Weeks



This presentation is for anyone who has an interest in poultry and how to set up age-appropriate housing.

Brought to you by the WSU Extension 4-H Youth
Development Small & Companion Animal Committee

Are you thinking about getting chicks? What sort of brooder should you have before you bring them home? Where will they live as they get older? Let's discuss some safe, inexpensive, and healthy designs for your poultry housing. This presentation is for 4-H members, volunteers, families, and anyone from the public who has an interest in small and backyard poultry and how to set up age-appropriate housing.

You can find the second half of the recording "Chicks 8-28 Weeks" at <http://bit.ly/3ELEidv>

This recorded session of Explore 4-H with WSU Extension is brought to you by the WSU 4-H Small & Companion Animal Committee.

Thanks for watching,

Pam Watson, M.Ed., pwatson@wsu.edu
WSU Lewis County Extension
4-H Youth Development Agent, WSU Faculty

RECORDING! Backyard Flock-Poultry Housing, Part 1, Chicks 0-8 Weeks



Backyard Flock Poultry Housing-Recording

Part 1, Chicks 0-8 Weeks



**This presentation is for anyone who
has an interest in poultry and how
to set up age-appropriate housing.**

Brought to you by the WSU Extension 4-H Youth
Development Small & Companion Animal Committee

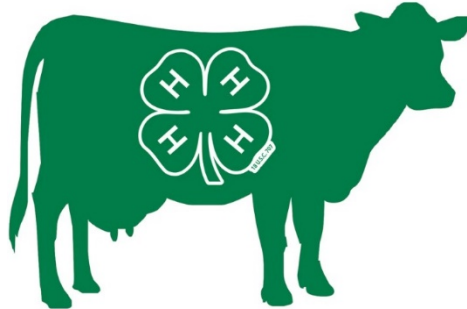
Are you thinking about getting chicks? What sort of brooder should you have before you bring them home? Where will they live as they get older? Let's discuss some safe, inexpensive, and healthy designs for your poultry housing. This presentation is for 4-H members, volunteers, families, and anyone from the public who has an interest in poultry and how to set up age-appropriate housing.

You can find the first half of the recording "Chicks 0-8 Weeks"
at <http://bit.ly/3Eat7uy> This recorded session of Explore 4-H with WSU
Extension is brought to you by the WSU 4-H Small & Companion Animal
Committee.

Thanks for watching,

Pam Watson, M.Ed., pwatson@wsu.edu
WSU Lewis County Extension
4-H Youth Development Agent, WSU Faculty

SAVE THESE DATES From the 4-H Dairy Program!!



Springtime Youth Calf Sale

March 18, 2023, Evergreen State Fairgrounds, Monroe

WA State 4-H Dairy Quiz Bowl Contest

March 18, 2023, 9:00 am, at the Evergreen State Fairgrounds, Monroe

Evergreen Junior Dairy Show,

April 28 & 29, Evergreen State Fairgrounds, Monroe

2023 WA 4-H Dairy Judging Contest

The 4-H Dairy Judging Contest will be July 18 at the Evergreen State Fairgrounds during the State Holstein Show. The contest time has not been set.

2023 National 4-H Dairy Conference

The 2023 4-H Dairy Conference will be held in Madison, Wisconsin October 1-4. **For application to be considered on the Washington team, due April 1st, go to:**

<https://extension.wsu.edu/4h/dairy-endowment-fund/program-activities/dairy-conference-team/>

Ask Dr. Universe: Did Dinosaurs Eat Humans?



Check out the latest episode of the [Ask Dr. Universe podcast](#) to meet an undergraduate student scientist and hear how she found her place in science.

Dr. Universe: Did dinosaurs eat humans?

Brileigh, 10, North Carolina

Dear Brileigh,

If you looked inside a T. rex mouth, you'd see some 12-inch teeth. That's longer than my tail!

I asked my friend [Aaron Blackwell](#) if dinosaurs used those big chompers on humans. He's an [anthropologist](#) who studies human biology at Washington State University. He told me dinosaurs and humans didn't live at the same time. "Dinosaurs died out 65 million years ago—before there were even primates," Blackwell said. "So, they could never have eaten a human or even a monkey." Scientists think a [giant asteroid](#) killed the dinosaurs. It was moving very fast—about 45,000 miles per hour. It made a [massive crater](#) when it slammed into the ground.

The blast from the crash set off disasters all over the planet. There were probably tidal waves, earthquakes and wildfires. Plus, the asteroid came at a really bad time. Earth had lots of intense volcano activity then.

The crash also threw soot and debris into the air. That probably made the atmosphere dirty. Less sunlight could get through, so Earth was darker and colder. That was bad news for plants and animals.

About 75% of the animals on Earth died, including most dinosaurs. The only dinosaurs that survived were the ancestors of birds.

That changed life on Earth forever. With the dinosaurs gone, many new kinds of mammals evolved. That's why the time after the asteroid crash is called the [Cenozoic Era](#), or Age of Mammals.

Some of those new mammals were primates—like monkeys, apes and their cousins. Blackwell told me the first primates appeared about 60 million years ago. They were small animals that looked like [tree shrews](#).



Purgatorius mckeeveri was an early primate that lived shortly after the dinosaurs died out. Illustration by Andrey Atuchin, National Science Foundation Multimedia Gallery.

It would be a long time before primates began walking on two feet. That probably happened between 4 million and 7 million years ago. The first apes to do it had very long arms for swinging in trees. To walk upright, they needed a flexible spine. They also needed strong ankle and knee bones.

Actual humans—called Homo sapiens by scientists—showed up between 200,000 and 300,000 years ago. By that time, the dinosaurs had been gone nearly 65 million years.

There were other dangerous animals to look out for though.

“Apes and early humans were likely eaten by leopards, saber-tooth tigers, hyenas, wolves and maybe a crocodile or a Komodo dragon,” Blackwell said.

In case you’re wondering, cats like me weren’t dinosaur snacks either. The first cat—called Proailurus—lived about 25 million years ago. Humans and cats have been friends for about 10,000 years.

Now that’s a happy ending.

Sincerely,
Dr. Universe

Dr. Universe: Who invented games? Kinzie, 6, Ohio

Dear Kinzie,

Board games, video games, a long piece of yarn... I love them all. I took a break from batting around a catnip-filled mouse toy to talk about your question with my friend, Washington State University professor Jordan Clapper, who told me the answer is a mystery.

“That’s almost impossible to know—for some really fun reasons,” Clapper said. “Every culture has games. It even extends beyond being human. If you’ve ever seen a dog or a cat play, they’re playing a game. “

The earliest board game we’ve found is more than 4,600 years old.

Archaeologist Leonard Woolley dug it up in a tomb from Sumer (modern-day Iraq). That tomb was in the Royal Cemetery of Ur, so he named it the Royal Game of Ur.

It was obvious the board was a game. But nobody knew the game’s rules. That’s where Irving Finkel came in. He works for the British Museum. He’s an expert in cuneiform—an ancient writing system of pressing marks into clay tablets. Finkel figured out that one tablet was the game’s rule book. Now, people can play the Royal Game of Ur in printable form or online.

Clapper also told me about the first video game. It was called **Tennis for Two**. Scientist William Higinbotham wanted people to see that science is fun and useful. So, he invented a video game for a research show at his lab in 1958. It worked on a tool called an oscilloscope.



Brookhaven National Laboratory

“He programmed a light to move back and forth,” Clapper said. “There was this big chunky controller. It was probably the size of a Big Mac box. It had a button you pressed with a big ‘ker-chunk’ sound to send the ball back over the net to the other side.”

You might wonder why people invented games. Clapper said games are meaningful simply because they’re fun. But they can also preserve and share cultural knowledge.

“Games can pass along stories,” Clapper said. “Games can do important cultural work or ask questions in unique ways.”

One of Clapper’s areas of expertise is Indigenous games. I learned about the **Skins Workshops**. That program teaches Indigenous young people to bring traditional stories to video games. That’s also what game developer Elizabeth LaPensée does with her games like **When Rivers Were Trails** and **Thunderbird Strike**. Clapper told me **Never Alone** is a video game made by the Iñupiat Native people of Alaska. Nearly 40 elders and story tellers worked together to bring the story to life.

If you love games, you can even make your own.

“Anyone can make a game,” Clapper said. “Last year I was finishing a book I was working on and had a dream about a game I wanted to make. I took index cards and markers—and started making pieces. If you want to make games, go out and make them.”

Dr. Universe

Washington State University Extension and University of Idaho Extension Present Youth Livestock Field Days

YOUTH LIVESTOCK FIELD DAYS

Washington State University Extension and University of Idaho Extension are pleased to present Beef Field Day, **March 25, 2023**, at University of Idaho Livestock Pavilion. Topics for the field day include: mandatory paperwork, quality assurance, meat science, health care, feeding and nutrition, selection of the project animal and fitting and showing.

Registration for Beef Field Day closes on March 17th! Registration cost is \$10 per person. The registration fee includes lunch and handout materials. To register, click on the link below. For more information, see the brochure linked below.

[Beef Field Day Brochure](#)

[Beef Field Day Registration](#)



2023 Cougar Invitational Youth Meat Judging Contest

Update

Paul Kuber



The 2023 Cougar Invitational Youth Meat Judging Contest is coming up soon! Contest information pages and the registration link are now available!

Register at this link:

<https://www.judgingcard.com/Registration/Info.aspx?ID=16212>

The Cougar Invitational Tentative Schedule, Contest Rules, Registration Information and other contest details (Scoring, What to Bring, Awards, and Contact Information can be found by clicking [HERE](#).



2023

COUGAR INVITATIONAL YOUTH MEAT JUDGING CONTEST



Ensminger Pavilion, 455 Lincoln Dr., Pullman, WA
WSU Meat Laboratory, 2155 Wilson Rd., Pullman, WA

Registration Deadline: March 10

Register at <https://www.judgingcard.com/Registration/Info.aspx?ID=16212>

March 17th

Clinic for Coaches and Students

March 18th

Cougar Invitational Judging Contest and Awards

Opportunities In Virtual Horse Judging

Pat Pehling

While clinics and contests with live horses (and riders) are definitely more effective, sometimes it is difficult to find an acceptable location and/or arrange for enough suitable horses to create a contest.

Subscription service livestockjudging.com has over 100 classes on horses or performance. It is suitable for teaching judging, but also allows a subscriber to set up contests. Available classes include halter, reining, ranch riding, trail, western equitation, western pleasure, hunt/seat equitation and hunter under saddle.

Snohomish County has four Horse Judging events each 4-H year with live “live” and one Virtual. Each Contest includes 4 classes and written reasons on one class. While there is no option for reasons on the Virtual platform, the members are instructed to email their written reasons to a volunteer who is trained to evaluate the reasons.

livestockjudging.com scores each participants’ placings and results are soon available. The subscriber chooses the classes, determines the contest placing of each class or has a judge place the class (there are class placings available to view when deciding the official placing of each class), sets the times and dates of the Contest and gives directions to the participants. Participants can be “invited” or a PIN can be shared to allow access to the program. Contests can run for a couple hours or several days.

Since it is desirable for the Judging Contest to also be educational, the judge should always give reasons for placing classes at a Contest. On the Virtual Contest, it is recommended that written reasons be shared on whatever method of communicating with the youth is available at the county level. Some of the available classes do have reasons available.



Deadline Is TOMMOROW for 4-H Scholarship Applications!



The application for 4-H Scholarships are now available in 4-H Online. The application is open to all active 4-H youth in the 12th grade who have been in 4-H for at least two years. Youth must be attending an accredited two or four-year college or university in the fall of 2023.

Applications must be submitted by March 15th, no later than 9:59 PM, via 4-H Online.

Emailed applications will not be accepted. No exceptions are made to this policy. Applications **MUST BE COMPLETE**, with submission of all five pieces included, in order to be considered. Each applicant will be considered for all Washington State 4-H Scholarships. These scholarships may be used at any accredited two or four-year college or university.

For more information on the application process, including requirements, tips and individual scholarship information, go to:

<https://extension.wsu.edu/4h/youth/scholarship-opportunities/>.

News Items for Washington State 4-H Equine!

The New Year brings big news for the 4-H Equine Program!



Save the Date! State Horse Bowl and State Hippology May 6-7, 2023

The 2023 WA State 4-H Horse Bowl Contest and WA State 4-H Hippology Contest will be held over the first weekend in May at the Grant County Fairgrounds in Moses Lake. Horse Bowl will be on Saturday, May 6 and Hippology will be on Sunday, May 7. **All the details are in the registration packets, available below.**

[2023 Horse Bowl Registration Packet](#)

[2023 Hippology Contest Registration Packet](#)

We hope 4-H members will try both!!

Lodging Information for teams needing overnight accommodations:

- Camping is available at the Grant County Fairground, including RV spaces. Those interested in this option may make arrangements directly with the fairgrounds here: <https://www.gcfairgrounds.com/p/fair/fair-camping>
- For hotel accommodations, we recommend national name hotels with rooms that open to hallways rather than the outdoors.

As with all State 4-H Equine Contests, each county may select their teams in any manner they choose (e.g. County Contests, Tests, Tryouts, Attendance) and those teams are approved by the County 4-H Educator. Other members are welcome to attend to observe the Contest but only designated County Teams may participate.



The list of sources that state contest questions and materials will be drawn from has been condensed to those that are free and/or easily accessible in hopes that addressing accessibility challenges will increase participation in state equine knowledge contests. **These sources are free downloads from our WA State 4-H website:**

- The 4-H Horse Member Manual <https://pubs.extension.wsu.edu/the-4h-horse-project>
- The 4-H Horse Judging Manual <https://pubs.extension.wsu.edu/4h-horse-judging-manual>
- Beginning Horsemanship <https://pubs.extension.wsu.edu/beginning-horsemanship-mm>
- Contest Guide <https://s3.wp.wsu.edu/uploads/sites/2050/2022/06/PNW574-REV-2015.pdf>
- 4-H Driving Manual <https://pubs.extension.wsu.edu/4h-driving-manual>
- 4-H Dressage Manual <https://pubs.extension.wsu.edu/4h-dressage-manual>
- Hunt Seat & Jumper <https://pubs.extension.wsu.edu/hunt-seat-and-jumper-manual>
- Groom Squad <https://pubs.extension.wsu.edu/washington-state-4h-fair-groom-squad-contest>

And one additional source, available for purchase or digital rental:
<https://www.ayhc.com/shop>

- Equine Science by Jean T. Griffiths



Having a county hippology program is not a requirement of registration for the state hippology contest. Recognizing that a county may have only one or two interested, eligible members, the following provision is provided:

- A county may combine with another county (or multiple counties) to form a team. If unable to coordinate with another county, you may register your county's interested members as individuals. The contest coordinator will form catch teams, if possible, and notify you. If impossible to form a catch team, individuals may compete independently in all phases except team problem solving. All contestants are eligible for overall individual awards.
- To provide additional support, a **Prepare for State Hippology Zoom** is scheduled for Sunday, March 26, 2 to 3:30 pm. All 4-H members are welcome to join, from those who are definitely planning to compete to those who aren't quite sure yet. Come learn about the competition so you can feel prepared to do your best! Supporting adults are very welcome! **Register in advance for this meeting:** <http://bit.ly/3ClfFga>

Remember to Sign Up for 4-H Equine Science and Horsemanship Series Thursdays!!

We are excited to launch the 2022-2023 WA State 4-H Equine Science and Horsemanship Series!! Hosted virtually on the 4th Thursday of the month, December 2022 – December 2023 (*5th Thursday in November 2023, due to Thanksgiving) from 6:30 – 7:30 pm.

All are invited to attend to learn more about horses! Sessions will incorporate hands-on opportunities and fun learning games! **Use this link to sign up and receive the zoom link:** <https://bit.ly/WA4-HEquineScience>

Registered participants will be emailed a suggested supply list prior to each session for the hands-on component.

NOTE: Instructors are needed for some of our upcoming sessions. If you have interest in teaching, please contact kim.baker@wsu.edu | 425-520-3908.

We are interested in hearing from staff, equine professionals, and alumni of the horse program that would like to share their area of expertise with an audience of youth.

Interested parties should be prepared to share an overview of their topic and how they envision incorporating a hands-on component in a virtual format. More details about the review process are available upon request.

Thank you!



Save the Date! 2023 Prairie Hatchers Annual Poultry Show!



Save the Date, March 25, 2023, for the Prairie Hatchers 4-H Club's 23rd Annual YOUTH SHOW, taking place at the Clark County Fairgrounds in Ridgefield, Washington. Things to look forward to include Showmanship, confirmation/type, BIG Raffle, and Show quality poultry/chick auction!

Donations are always appreciated. If you would like to donate **show quality birds** or any raffle items please e-mail us! Your donations help us run next year's show. Help us keep it going!

If you would like more information or get on the list to receive our premium book in January please e-mail: prairiehatchers4hclub@gmail.com
