Know how. Know now.

ANIMALS INSIDE & OUT

Field Day Resources:

Flyer
Teacher Letter
Schedule
Evaluations

Animal Science Signature Outcome Team

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

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

Animals Inside & Out

An educational program designed for 3rd through 5th Grade Youth to learn more about Animal Science!

Objectives:

- Youth will gain knowledge and understanding of the livestock industry.
- Youth will develop science skills and SET abilities to help solve everyday situations.
- Youth will become aware of careers related to animal science.

Focus:

Livestock – meat, milk and fiber production
Horse and Companion Animals

Aligned with Nebraska School Standards

Animals Inside & Out

Curriculum Topics:

- Animal Management
- Digestive System
- Feeds & Nutrition
- Muscular System & By-products
- Skeletal System
- Respiratory and Circulatory Systems
- Reproductive System
- Animal Science Careers

What others have said—

"My students loved all parts of the day. The activities were designed to keep them involved and active!"

"The day was packed with information. Even my students not involved with Ag were interested and excited about what they learned. They are still talking about it."

How can you have an Animals Inside & Out program presented in your area?

- Contact your local Nebraska extension office or

Contact us to learn more!

Nebraska Extension 4-H Animal Science Signature Outcome Team
Rhonda Herrick: rherrick1@unl.edu
Or Kathy Potthoff: kpotthoff1@unl.edu

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Physical Address:
501 E Fonner Park Road
Grand Island, NE 68801

Phone: 308.385.3967

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P.O. Box 2198
Grand Island, NE 68802

www.raisingnebraska.net

DATE: October 17, 2014

TO: Fifth Grade Educators and Administrators

FROM: Elizabeth (Beth) A Janning, Extension Educator

RE: University of Nebraska-Lincoln Extension "Animals Inside and Out" Program

Raising Nebraska is a new science and agricultural literacy facility that is a joint project between the University of Nebraska, Nebraska Department of Agriculture, and the Nebraska State Fair. Raising Nebraska opened its doors during the 2014 Nebraska State Fair. The great news is that Raising Nebraska is open year round for educational programming!

The University of Nebraska-Lincoln Extension would like to invite you to the **First Annual Animals Inside and Out Program**. The Animals Inside and Out Program has occurred across the state of Nebraska as a UNL Extension Program. We would like to invite your fifth grade students to attend this program on **Thursday, November 20, 2014 at Raising Nebraska.** Registration will begin at 8:30 a.m. and end around 2:30 p.m. There is no cost to the school or students to attend this program thanks to sponsorships. Students and adults would need to bring a sack lunch.

Animals Inside & Out is designed for elementary students to explore the science of animals. Pigs, cows, dogs and more will be a part of the day as students learn about animal health and how an animal bodies work inside and out. Student have the opportunity to think like a veterinarian as they learn about the muscles, bones, digestion system and how animals' lungs and hearts work together.

Students will have hands-on activities and games that enhance learning and opportunities to learn more about animals and learn where their food comes from. They also have the opportunity to explore careers related to animal science and agriculture.

We are asking for schools to **register their students by completing the enclosed form by Thursday, November 6, 2014**. Forms may be faxed or emailed to Beth Janning at Raising Nebraska. A final schedule will be sent out to all participating schools once registrations are received. In order to better prepare your students for the Field Day, we would also request that you allow us to come into your classroom and present a 40 minutes introduction before the Field Day. This will give the students the background they need to enhance their learning that day.

If you have any questions, please do not hesitate to contact me. My information is:

Beth Janning
Email: elizabeth.janning@unl.edu
Office Phone: 308.385.3967

I hope you will be able to join us.

2015 West Central District Animals Inside & Out Day-- Minden										
Session		**Repro**	**Beef Lab**	**Circulatory**	**Mgmt.**	**Animals**	**Muscular**	**Feeds & Feeding**	**Skeletal**	**By-Products**
Location		**Southwest Corner**	**Outside North of Building**	**Conference Room**	**Northeast Corner**	**Arena**	**Kitchen**	**East Middle**	**Southeast Corner**	**Northwest Corner**
		Darci Pesek	**Dewey Lienemann Brent Plugge**	**Kathy Potthoff**	**Megan Peterson**	**Scott Herrick**	**Paige Redding**	**Crystal Fangmeier**	**Eric Stehlik**	**Jordann Wenzel**
		Station 7	Station 4	Station 2	Station 3	Station 5	Station 6	Station 1	Station 8	Station 9
8:45 a.m.	Check-in----------									Check-in
9:00-9:25 a.m.		Break	Break	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Break
9:25-9:50 a.m.		Break	Break	Break	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6
9:50-10:15.m.		Group 6	Break	Break	Break	Group 1	Group 2	Group 3	Group 4	Group 5
10:15-10:40 a.m.		Group 5	Group 6	Break	Break	Break	Group 1	Group 2	Group 3	Group 4
10:40 - 11:05		Group 4	Group 5	Group 6	Break	Break	Break	Group 1	Group 2	Group 3
11:05-11:30 a.m.		Group 3	Group 4	Group 5	Group 6	Break	Break	Break	Group 1	Group 2
11:30-12:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
12:00--12:30 p.m.	UNL Careers----------			Whole Group together----------				UNL Careers----------		UNL Careers
12:30-12:55 p.m.		Group 2	Group 3	Group 4	Group 5	Group 6	Break	Break	Break	Group 1
12:55-1:20 p.m.		Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Break	Break	Break
1:20-1:45 p.m.		Break	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Break	Break
1:45- 2:00 p.m.	Evaluation in last session----------									Evaluations
2:15 p.m.	Head Home									
Group 1	Minden 24									
Group 2	Minden 24									
Group 3	Minden 24									
Group 4	Franklin 22									
Group 5	Axtell 14									
Group 6	Axtell 13									

	2015 West Central Animals Inside & Out District Day										
			Conference	Kitchen	Patio	NW Corner	NE Corner	SW Corner	SE Corner	Arena	
			Blue	Green	Red	Yellow	Black	Pink	Purple	Orange	
			Circulatory	Muscular	Beef Lab/dig	By-Products	Management	Repro	Skeletal	Animals	
			Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8	
	8:45 a.m.	Check-in----------								Check-in	
	9:00-9:30 a.m.										
	9:30-10:00 a.m.										
	10:00-10:30 a.m.										
	10:30-11:00 a.m.										
	11:00-11:30 a.m.										
	11:30-12:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
	12:00--12:30 p.m.		UNL Careers----------Whole Group together----------							UNL Careers	
	12:30-1:00 p.m.										
	1:00-1:30 p.m.										
	1:30-2:00 p.m.										
	2:00- 2:15 p.m.	Evaluation in last session----------								Evaluations	
	2:15 p.m.	Head Home									
	School		# Students	# Adults							
		Total									

2016 - Nebraska 4-H
Animal Science Survey

Section I: Interest

1. Please select one response in each row by marking the appropriate box ☒.

As a result of participating in this 4-H Animal Science Program…	Yes	No
I think Animal Science is cool	☐	☐
I will sign up for more Animal Science programs in the future	☐	☐
I think a career in Animal Science would be interesting	☐	☐
I am more interested in Animal Science	☐	☐

Section II: Knowledge

Please write in your response to the following questions

2. **Before it comes to the store, where does most of the milk I drink come from?**

   Answer: _____

3. **Before it comes to the store, where does hamburger meat come from?**

   Answer: _____

4. **In addition to meat, list 2 animal byproducts**

   Byproduct 1: _____

   Byproduct 2: _____

5. **List 2 Careers related to Animal Science**

   Career 1: _____

   Career 2: _____

Section III: Application

6. Please select one response in each row by marking the appropriate box ☒.

As a result of participating in this 4-H Animal Science Program…	Yes	No
I will talk to my friends and family about Animal Science	☐	☐
I will talk to someone in a career related to Animal Science	☐	☐
I will shadow someone who works in an Animal Science career	☐	☐
I will use books and the internet to learn more about Animal Science	☐	☐

As a result of participating in this 4-H Animal Science Program…	Yes	No
I will sign up for other Animal Science workshops	☐	☐
I did something I had never done before	☐	☐
I will take good records	☐	☐
I won't do anything different	☐	☐

Section IV: Tell us about You

Please select or write in the responses that best describes you.

7. **Are you a 4-Her?** (Mark one box ☒.)
   - ☐ Yes
   - ☐ No

8. **How old are you?**

   _____ Age (in years)

9. **What grade are you in?**

   _____ Grade

10. **Which of the following best describes your gender?** (Mark one box ☒.)
    - ☐ Female
    - ☐ Male

11. **Which of the following best describes your race?** (Mark <u>each</u> box ☒that applies to you.)
    - ☐ American Indian or Alaskan Native
    - ☐ Asian
    - ☐ Black or African American
    - ☐ Native Hawaiian or Other Pacific Islander
    - ☐ White

12. **Which of the following best describe your ethnicity?** (Mark <u>one</u> box ☒.)
    - ☐ Hispanic or Latino
    - ☐ Not Hispanic or Latino

2016 - Nebraska 4-H
Animal Science – Teacher/Leader Survey

1. **Please provide the following information**

   4-H Animal Science Program Location: _____

   Program Date: _____

   Grade(s): _____

2. **What do you think youth gain as a result of their participation in this 4-H Animal Science Program?**

3. **Please describe your youth's reaction to this experience? (Ex. Did any lesson stand out, what were they most excited about, did you hear them talking about the experience in the days that followed, has this experience influenced other projects they do in the classroom or 4-H Club, have you seen a stronger interest in Animal Science or a related topic?)**

4. **Participation in Animals Inside & Out supports the curriculum or learning objectives of my classroom or Club?** (Mark one box ☒)
   - ☐ Strongly Agree
   - ☐ Agree
   - ☐ Neutral
   - ☐ Disagree
   - ☐ Strongly Disagree

5. **Please describe how you integrated this experience into your classroom or club learning.**

6. Please select <u>one</u> response in each row by marking the appropriate box ☒.

Upon completion of the 4-H Animal Science Program…	**Yes**	**No**
Would you recommend the Animals Inside and Out program to other teachers or club leaders?	☐	☐
Would you attend an Animals Inside & Out program again next year?	☐	☐

7. **Why would or wouldn't you attend the Animals Inside & Out program again next year?**

8. **Please provide any suggestions you may have for next year.**

Thank you for participating in the Animals Inside & Out program and for filling out this survey! It is important to 4-H and future Animal Science programs.