



2018-2019



4-H
SCHOOL
ENRICHMENT

4-H SCHOOL
ENRICHMENT PROGRAMS
SUPPLEMENTAL YOUTH ACTIVITIES TO
ENRICH CLASSROOM EXPERIENCES

Offered by:
Nebraska Extension in Madison County

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.

University of Nebraska—Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska—Lincoln and the United States Department of Agriculture.

September 2018

Elementary School Principals / Teachers

The Nebraska Extension in Madison County, with federal, state, and local governments, provides educational programming to Nebraska citizens. Madison County has a variety of school enrichment programs meeting state standards that can supplement classroom learning. Please review the enclosed program for more descriptions of programs, activities, and fees.

School enrichment programs are evaluated yearly to ensure teachers have current information. Some programs may be dropped to make room for new programs, but if materials from previous programs are still available, teachers may check them out.

School enrichment programs are provided with minimal cost to cover material expenses. If a teacher needs a particular program and cost is a factor, please call the office to negotiate a cost.

5th Annual Youth Field Crops Day is a hands-on learning experience for fourth grade students. This will be a half-day session held at the Chuck Pohlman Agriculture Complex on Northeast Community College Campus on Tuesday, October 2, 2018.

12th Annual Geographic Information Systems Day is an educational experience for fifth and sixth grade students. These days focus on GIS and how its technology is used in geography today. It will be a half-day session held on November 6, 7 and 8. Location TBA.

17th Annual Life on the Farm Ag Literacy Festival. This event is a hands-on learning experience for second and third grade students. It is a half-day session held at the Madison County Fairgrounds in Madison, Nebraska, on Tuesday, March 26, 2019.

Popular hands-on programs include the **Embryology** and the **Caterpillar to Butterfly** programs. These include a set-up visit/discussion and a conclusion/discussion.

Please call the Madison County Extension Office with any questions, to preview the material, or to make suggestions for new school enrichment programs.

Sincerely,

Sarah Polacek
4-H Extension Assistant

The Madison County 4-H School Enrichment Program is an excellent opportunity for students to experience “hands-on” learning through research-based curriculum.

Please contact the office as soon as possible to schedule a program with your classroom, organization, or your 4-H club meeting.

Hope to hear from you soon!

For more information, contact:



Nebraska Extension in Madison County
1305 S. 13th Street
Norfolk, NE 68701

Sarah Polacek, 4-H Assistant
Phone: 1-402-370-4040 or 1-800-217-4310
Fax: 402-370-4010
E-mail: spolacek2@unl.edu



Make Nebraska Extension & 4-H your first college experience.
For more information about becoming a student of UNL or joining a 4-H club, visit our website at www.madison.unl.edu



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4-H School Enrichment

University of Nebraska-Lincoln Extension - Madison County
<http://madison.unl.edu>
Check our web page

spolacek2@unl.edu
E-mail for more information



17th Ag Literacy Festival

Held at the Madison County Fairgrounds in Madison, Nebraska on

Tuesday, March 26, 2019

This half day field trip will be offered to 2nd and 3rd grade students and is available on a first come, first serve basis. **Must pre-register by March 1.**

The Ag Literacy program will provide an educational look at the different species of animals and crops that are raised on a farm. Students will be able to touch animals and learn about methods of caring for them. They will also learn about the by-products of animals and crops.



Cost: \$1.00 per student

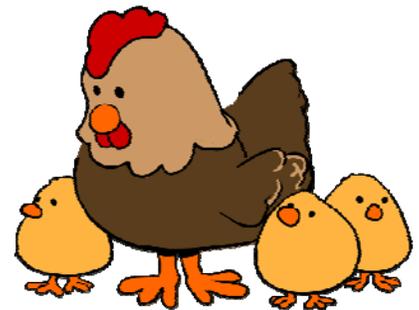
Nebraska School Standard: Social Studies: 4.5

Embryology

Students will be responsible for caring for the eggs during the 21-day incubation period and the baby chicks after they have hatched.

Resources for this project are:

- I. Supportive information
- II. Incubator
- III. Staff can make four visits
- IV. One dozen fertile eggs
- V. Projector provided, if available, for candling first and second week



Note: This is a time-consuming project. You must be willing to turn the eggs three times a day, keep water in the incubator, monitor the temperature, candle, and clean the incubator thoroughly after the hatch.

Fee is \$25.00 per classroom. (Includes candling)

- **SET DATES (choose preferred month-dates will be set as date nears)**
 - February 2019
 - March 2019
 - April 2019



You're Invited to...

Youth Crops Field Day 2018

October 2, 2018

This is designed to be a half-day field day for Fourth Grade Youth. A morning and afternoon session will be offered for classrooms.
THIS IS A FREE EVENT!

Youth will learn about and experience components of
Nebraska Crop Production!

Must pre-register to attend by September 25, 2018
by calling the Nebraska Extension Office in
Madison County at 402-370-4040 or
email spolacek2@unl.edu.



Our sessions will also meet specific Nebraska State Standards:

- ✦ SC5.3.1.b Identify how parts of plants and animals function to meet basic needs (e.g., leg of an insect helps an insect move, root of a plant helps the plant obtain water)
- ✦ SC5.3.1 Students will investigate and compare the characteristics of living things.
- ✦ SC5.3.2.a Identify inherited characteristics of plants and animals
- ✦ SS 4.3.2.a Identify criteria used to define regions within the state of Nebraska (e.g., soil, climate, precipitation, population, vegetation, land and agricultural usage)
- ✦ LA 4.3.2.a Demonstrate listening skills needed for multiple situations and modalities (e.g., electronic, one-to-one, small/large group, presentation)

***This day is presented in
Partnership with:***

Northeast
community college

Microbes: The Good, The Bad, and The Ugly..... Germs make me sick!

This project is designed to teach students about bacteria and the importance of good personal hygiene.

Microbes: Younger grades

- ↪ Glo-germ activity and directions for washing hands properly

Check-out cost: \$5.00

Microbes: Older grades

- ↪ Glo-Germ Kit
- ↪ Petri dishes filled with nutrient agar

Check-out cost: \$6.00



Nebraska State Standards:

Science: 1.2.1 & 1.7.1

Health: 1.1 & 1.6

Food Drying with Dehydrators!

This project could be used with Nebraska History or a nutrition unit.
Students can dry fruit or vegetables.

Resource materials include:

- Food dehydrator
- Supporting information

Fee for this project: \$8.00 per class



State Standard: 4.1.3

Wheat Science- Bread in a Bag

The plant science project will focus on the production and use of crops in agriculture.

Resource materials include:

- A hands-on session making wheat bread in the classroom.

Fee for this project - \$3.50 per group



Students work in groups of two or four. Each group makes two loaves of bread.
Optional: We can also make butter in the classroom by request for a small additional feed.

Nebraska State Standard: Science: 4.1.5, Math: 4.3.1, Social Studies: 4.1.9

Bully Dance



Bully Dance is a DVD program that deals with conflict resolution by showing a bullying situation; no one stops the dance until serious harm is done. It compels viewers to take stock of their actions and find ways to end peer abuse. The purpose of this program is to provide a starting point to address bullying in your class, the playground, and the school community. Numerous lessons are provided.

Check out cost: \$5.00/week

Robotics

Hands-on Lego's are fun for most kids as they learn how to design and build their robot using Lego MindStorm Kit. The Robolabs software enables students to learn to program their computer. The program teaches problem solving, critical thinking, decision making, teamwork, command actions, and use of the computer. Program is aimed for students in grades 4-8.

4 Lego kits and computers are rented out for \$50 a month.

State Standards: 4.1.4, 4.3.1, 4.6.1, 8.1.1, 8.1.2, 8.1.4, 8.2.1, 8.6.1

Caterpillar to Butterfly



This program is designed to be a three-week lesson allowing your classroom to learn about butterflies. Students will have the opportunity to study and observe the life cycle from a caterpillar to the amazing butterfly. During this process, youth will get to feed the caterpillars, observe the change from caterpillar to chrysalis, view the hatching process, and, finally, release the Painted Lady butterflies into nature. This project actively engages youth in science and will provide a rich, hands-on learning experience.

Cost: \$20.00 for visit and all the supplies.

- **SET DATES: TBD – Will be in Spring Months of March/April.**
- Nebraska State Standards: Science: 1.4.1 & 1.4.2**



WHAT IS AN INSECT?



Students will learn about the abundance of insects, parts of an insect, the life cycle of a butterfly, and view displays of insects as they explore the field of Entomology. The Entomology program requires one 30-45 minute session.

No Cost. (Scalable from K-12)

Nebraska State Standard: Science: 4.4.1, 4.4.2

Health Rocks

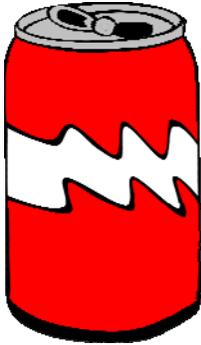


Hands-on 40-minute presentation about the harmful effects of smoking; including dangers of second hand smoke. Presentations includes displays. (Smokers gross mouth and face, tar jar, phlegm jar and others) Suggested grade level: 1-3.

Cost: \$5.00.

Nebraska State Standards: SI1.2.1, SI 4.2.1, SPSP4.7.1, SPSP 4.7.2, SPSP 4.7.3, SPSP 4.7.4

Think Your Drink!



A 30-minute presentation or kit for check out are available for teachers to use in the classroom. Program includes harmful effects of various types of drinks which contribute to weight gain – if calorie intake exceeds those burned by 500 each day (about 2 soft drinks and a candy bar), you gain about 5 pounds a month. Also, the kit includes a large coke can display and a display of a day's worth of fat.

Cost: \$5.00 (kit check out or presentation)

Nebraska State Standards SPSP 4.7.1, SPSP 4.7.2

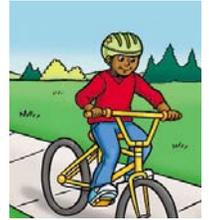
SPLAT!

Helmet Safety

When talking about bicycle or skate board safety, this hands-on activity will demonstrate how a helmet protects the head, in this case, an egg.

Check out Cost - \$5.00

Nebraska Standards: ST 4.6.1, ST 4.6.2



Anti-Drugs and Alcohol

“The Boy who was Swallowed by the Drug Monster” is an informative DVD program about poor choices a young boy makes that leads to his addiction. This is a 40 minute session.

Cost: \$5.00





12th Annual Geographic Information Systems Day

COST: FREE

**Tuesday, November 6, Wednesday, November 7 or
Thursday November 8.**

This is designed to be a half-day Field in Norfolk, Nebraska.

Must pre-register by Wednesday, October 24.

SCHEDULE: (Details on next page)

Registration and opening session with rotations between various sessions:

- Hurricane Maps
- Careers
- GPS
- Hometown Adventure
- Geography Jeopardy



Please select time:

◇ November 6, Morning Session: 9:00-11:30pm
Registration 8:45am

◇ November 7, Morning Session 9:00am-11:30am
Registration 8:45am

◇ November 8, Morning Session 9:00am-11:30am
Registration 8:45am

SITE: TBA

TARGET AGE: 5th and 6th Graders

WHAT: Educational presentation on Geographic Information Systems and how they are used in Geography today.

Pre-register by
Wednesday,
October 24.



2018 - 2019 Registration Form

Office Use Only
Date Billed: _____
Payment Received: _____
Ck #: _____

Teacher's Name: _____ Grade: _____

School: _____

School phone: _____

Best time to call: _____ E-mail: _____

Statistics: (needed for state reports)

Total Number of Students: _____

Male: _____ # Female: _____

Caucasian _____ African-American: _____

American Indian _____ Hispanic: _____ Asian: _____

Project Enrollment:

List the project you want to enroll in and month you prefer. (Email registration to spolacek2@unl.edu)

1. _____ Month _____
2. _____ Month _____
3. _____ Month _____
4. _____ Month _____

GIS Day-No Cost

Please circle your choice--

DATE: Nov. 6 Nov. 7 Nov. 8

Morning Session Only.

I am attending with _____ (#) students

Ag Literacy Festival - \$1.00/student

Please circle your choice-

DATE: MARCH 26, 2019

TIME: 9am-11:30am OR 12pm-2:30pm

I am attending with _____ (#) students

Youth Crops Field Day

Please circle your choice-

DATE: OCT. 2, 2018

TIME: 9am-11:30am

OR 12:00pm-2:30pm

I am attending with _____ (#) students

Total cost \$ _____

Check Enclosed: # _____

Bill me Please! _____

Make check payable to: University of Nebraska-Lincoln

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.



