2015-2016

4-H School Enrichment Programs

Supplemental youth activities to enrich classroom experiences

Offered by:
Nebraska Extension in Madison County
August 2015

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 which can supplement classroom learning. Please review the enclosed program for more descriptions of programs, activities, and fees.

School enrichment programs will be 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 an equitable cost.

14th Annual Life on the Farm field trip is a hands-on learning experience for second and third grade students. This will be a half-day session held at the Madison County Fairgrounds in Madison, Nebraska, on Tuesday, March 22nd, 2016.

9th Annual Geographic Information Systems Day is an educational experience for fifth and sixth grade students. These days are focused on GIS and how its technology is used in geography today. It will be a half-day session held at the Lifelong Learning Center in Norfolk on your choice of Tuesday, November 17, 2015 or Wednesday, November 18, 2015.

2nd 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, September 29th, 2015.

Popular hands-on programs include the Embryology and the Caterpillar to Butterfly program. These include a set-up visit/discussion and a conclusion/discussion. Due to limited staff, several visits to the same classroom reduce our extension opportunity to serve every teacher.

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
601 E. Benjamin Ave. Ste. 105
Norfolk, NE  68701

Sarah Polacek, 4-H Assistant
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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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14th Ag Literacy Festival
(Life on the Farm)
Held at the Madison County Fairgrounds in Madison, Nebraska on
Tuesday, March 22, 2016

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 8th.**

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

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**Embryology**

Students will be responsible for caring for the eggs during the twenty-one 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 2016
  - March 2016
  - April 2016
You’re Invited to...

Youth Crops Field Day 2015
September 29th, 2015

This is designed to be a half day field day for Fourth Grade Youth. A morning and afternoon session will be offered for classrooms. Cost will be 50¢/student

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

Must Pre-register to attend by: September 15th, 2015 by calling the Nebraska Extension Office in Madison County at 402-370-4040.

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
Producers Hybrids
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**
- Microbes in Food: The Good, the Bad, and the Ugly Teacher’s Guide
- 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

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**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

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**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.

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. There are numerous lessons provided.

Check out cost: $3.00/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: $15.00 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?

Second graders 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.

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: $4.00.
Nebraska State Standards: SL1.2.1, SI 4.2.1, SPSP4.7.1, SPSP 4.7.2, SPSP 4.7.3, SPSP 4.7.4

MONEY CENTS

You are never too young to start learning how to spend and save money. This program will help students learn more about money through listening to stories and doing “hands-on” activities. Topics will include: examining money under a magnifying glass, learning what the government role is, discussing the difference between needs and wants, thinking about their saving’s dream, and playing a “how much does it cost” game. Suggested grade level: 2-3
Check Out Cost: $5.00.
State Standard: Math: 4.1.5, 4.1.1 History: 4.1.9

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: $3.00 (kit check out) or $5.00 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 addition. This is a 40 minute session.
Cost: $4.00
Nebraska State Standards:
Tuesday, November 17 & Wednesday, November 18, 2015
This is designed to be a half day Field Trip at the Lifelong Learning Center on Northeast Community College Campus in Norfolk, Nebraska.

Must Pre-register by Tuesday, November 3rd.

SCHEDULE: (Details on next page)
Registration and opening session with rotations between various sessions:
- Maps and Apps
- Hurricane Maps
- Careers
- GPS
- Hometown Adventure
- Geography Jeopardy
Please select time:

◊ November 17, Morning Session: 9:00-11:30pm
  Registration 8:45am

◊ November 17, Afternoon Session 12:00pm-2:30pm
  Registration: 11:45am

◊ November 18, Morning Session 9:00am-11:30am
  Registration 8:45am

◊ November 18, Afternoon Session 12:00-2:30pm
  Registration 11:45am

SITE: Lifelong Learning Center, Norfolk

TARGET AGE: 5th and 6th Graders

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

Must pre-register by Tuesday, November 3rd.
February 25th and 26th, 2016
(online registrations due in early 2016)
8:30am – 2:15pm

This is an all-day event held at the Lifelong Learning Center on
Northeast Community College Campus at 601 E. Benjamin Ave. Norfolk.

This interactive character education program designed for 5th and 6th
graders focuses on entrepreneurship. It is designed to enable youth to
develop knowledge and life skills for enhancing ethical and responsible
behavior in the business world and community.

Participants will:
1. Provide a creative avenue for youth to express their view on character in
   business.
3. Design a business as a team.
4. Buy and sell a product.
5. Have fun while learning together.

Schools must bring one adult to work with every ten students or portion of
ten students.

Nebraska State Standards:
Social Studies: 4.8, 4.9, & 8.3.5
Reading/Writing: 4.3.1
Math: 4.1.5
Family & Consumer Science: FCS 06-12.11.1

For more information about this event, please contact the Madison County Extension Office at
(402) 370-4040 or visit the website at http://nerec.unl.edu/4h/programs.shtml.

Cost: $5.00 per participant & bring their own lunch
2015 - 2016 Registration Form

Teacher’s Name: __________________________Grade: _______

School: _______________________________________________

School phone: __________________________________________

Best time to call: ______________E-mail: ______________________

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Statistics: (needed for state reports)

Total Number of Students: _________
# Male: ______ # Female: ___________

Caucasian ________ African-American: _________

American Indian _______ Hispanic: _______ Asian: ________

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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. 18  or  NOV. 19
9:00am-11:30am OR 12:00pm-2:30pm
I am attending with ____ (#) students

Ag Literacy Festival - 1.00/student
Please circle your choice-
DATE: MARCH 22th, 2016
TIME: 9am-11:30am OR 12pm-2:30pm
I am attending with ____ (#) students

Youth Crops Field Day
Please circle your choice-
DATE: Sept. 29, 2015
TIME: 9am-11:30am OR 12:00pm-2:30pm
I am attending with ____ (#) students

Total cost $_______________
Check Enclosed: #__________
Bill me Please! ____________