WHAT ARE 4-H SCHOOL ENRICHMENT PROGRAMS?

School enrichment programs are learning experiences offered to students during school hours by local 4-H educators. These programs are designed to enhance the subject matter being studied in the classroom, provide hands-on education, introduce a new topic to students, or spark a new interest!

The 4-H school enrichment program is a great way to connect and collaborate with your local Extension office and achieve your classroom’s educational goals. Our current programs focus on Career Development, STEM, and Agricultural Literacy.

The cost to your classroom is minimal. If interested, please register online at http://hall.unl.edu/4-h-school-enrichment-programs/ or complete the registration form included and return it to Nebraska Extension in Hall County. We would love to meet with you to discuss your classroom’s educational goals, and we look forward to working with you and your students!

MEET OUR EDUCATORS

D’Ette Scholtz
Extension Educator
dscholtz2@unl.edu

Megan Knuth
Extension Assistant
mknuth3@unl.edu

Melinda Vlieger
Extension Assistant
mvlieger2@unl.edu
LEADING & ACHIEVING

Invite 4-H staff members into the classroom or library, and students will learn leadership skills they’ll never outgrow! Customize your students’ experience by selecting one or more of the lessons listed below.

- Communication
- Put First Things First
- Working with Groups
- Understanding Self & Others

Suggested Grade Level: 3

Standards: Nebraska Standards for Career Readiness

Time Needed: 30 minutes per lesson
Program Cost: $10 per lesson
Educators: Megan Knuth, D’Ette Scholtz

TEC BOX: TINKER, EXPLORE, CREATE

Have your classroom experience the exciting world of entrepreneurship. One of your students might be the next kid entrepreneur! During the TEC Box program, students will use design thinking to develop a game, and tinker, explore, and create. Your students will be thinking like entrepreneurs in no time at all.

Suggested Grade Level: 3-5

Standards: A complete list is available upon request.

Time Needed: 4 sessions, 30-40 minutes each.
Program Cost: $20 per classroom
Educator: D’Ette Scholtz
Dreams & Goals

Walt Disney is quoted as saying “If you can dream it, you can do it!” When students dream about their future, it can be very exciting for them. But how do they take the first step toward turning their dreams into a reality? Students will explore their own dreams and potential careers hidden within those dreams, and set a smart goal to make it happen.

Suggested Grade Level: 4-8

Standards: Nebraska Career Readiness Standards

Time Needed: 1 session, 30 minutes

Program Cost: FREE

Educator: D’Ette Scholtz

Entrepreneurship – Is it in your Future?

Students will explore entrepreneurship as a potential career choice through this program. They will get their creativity flowing and discover their strengths/skills through an entrepreneur assessment.

Suggested Grade Level: 4-8

Standards: Nebraska Career Readiness Standards, National Standards for Entrepreneurship B: Traits/Behaviors

Time Needed: 1 session, 30 minutes

Program Cost: FREE

Educator: D’Ette Scholtz

INVENTURE

The INVENTURE program will ignite an entrepreneurial spark in your students! Working in teams, they will create a product or service from a widget and learn basic business principles throughout the process. This program is available as in-classroom or after-school program, or as a full day program. See page 11 for more information.
Engaging. Creative. Trendy. Relevant. These are a few of the words that describe The Make Tank program created by the Hall County 4-H team. Based off the trendy mini-maker fairs and maker movement, The Make Tank is proving to be highly popular. The Tank offers opportunities for students to travel through stations experiencing new technology and exploring career options along the way. Customize your students’ experience by selecting from the following list. Select 3 for a one hour experience. Select six for a two hour experience. Maximum of 25 students per program.

- Cardboard Creations (Grade 3)
- Nuts & Bolts (Grades 3-4)
- Coding/Ozobots (Grades 3-5)
- Take Apart Station (Grades 3-5)
- Green Screen (Grades 3-5)
- Badge Making (Grades 3-5)
- Wood Burning (Grades 4-5)
- Hammering/Drilling (Grades 4-5)
- 3-D Pens (Grades 4-5)
- Design a Tile (Grades 4-5)

Suggested Grade Level: 3-5
Time needed: 1 hour (3 stations), 2 hrs (6 stations)
Program Cost: $50 - 3 stations, $75 - 6 stations
Educators: D’Ette Scholtz, Megan Knuth, Melinda Vlieger
This program teaches students how life develops through the process of hatching baby chicks over a **four-week** period. Students will take responsibility for caring for the fertilized eggs during the 21-day incubation and the baby chicks after they hatch (for a few days). The program is offered March - May. ~100% of surveyed teachers stated that the embryology program enhanced science-based learning in their classroom!

Suggested Grade Level: K-6

*Standards: SC.K.7.2, SC.1.6.2, SC.3.9.3, SC.4.6.3, SC.5.8.2, SC.6.6.2, SC.6.9.3*

Time needed: Two 25-30 minute presentations, about 10 days apart.

Program Cost: $25 per incubator

Educators: Melinda Vlieger, Megan Knuth

*“Do chickens have tongues?”*

*“Can they lick you?”*
**STEM**

**PUT A LID ON IT**

Your brain matters so put a lid on it! In this program we will dig in to the engineering design process. Thinking like engineers, youth will have the opportunity to explore ways to protect the brain from impact.

Suggested Grade Level: 3-6  
*Standards: SC 3.1.1, SC 4.4.2, SC 6.4.1.*  
Time Needed: 1 session, 30 minutes  
Program Cost: $10 per classroom  
Educators: Megan Knuth, Melinda Vlieger

---

**MOTION, TENSION AND OXIDATION, OH MY!**

This is a great wrap up for your science unit. Whether you have been studying chemical reactions, surface tension, or Newton’s First Law, this lesson has it all! Incorporating pennies into a variety of short experiments helps students experience first-hand some of the science behind the learning!

Suggested Grade Level: 2-6  
*Standards: SC.2.3. SC.3.1, SC.5.3, SC.6.4*  
Time Needed: 1 session, 30 minutes  
Program Cost: FREE  
Educators: Megan Knuth, Melinda Vlieger
NEBRASKA AGRICULTURE

Students will learn why Nebraska is considered a leader in agriculture, as well as understanding the role that agriculture plays in the lives of Nebraskans and people throughout the world. Lessons cover soils and soybeans.

Suggested Grade Level: 3  
Standards: SS 4.3.1.c, SS 4.2.2, SS 4.2.12  
Time Needed: 1-2 sessions, 30 minutes each  
Program Cost: FREE  
Educators: Megan Knuth, Melinda Vlieger
AGRICULTURE

TASSEL TO TABLE

Students will gain an understanding of the stages of food production, with a focus on corn. They will follow the production cycle from a kernel to the food we eat.

Suggested Grade Level: 3-5
Standards: SS 3.4.1, SS 4.2.2, SS 4.3.3, SS 5.4.5e
Time Needed: 1 session, 30 minutes
Program Cost: $10 per classroom
Educators: Megan Knuth, Melinda Vlieger

WHERE DOES MY FOOD COME FROM?

Everyone has their favorite foods, right? Youth will explore the impact of agriculture and find out how some of their favorite foods end up on their plate.

Suggested Grade Level: K-2
Standards: SS 0.3.2, SS 1.3.5, SS 2.2.2
Time Needed: 1-2 sessions, 30 minutes each
Program cost: $10
Educators: Megan Knuth, Melinda Vlieger
Expanded Learning Opportunities

The following are full-day programs to provide students with an in-depth learning experience.

Animals Inside and Out

Animals Inside & Out is designed for elementary students to explore the science of animals. The Animals Inside & Out program is offered to Hall County schools in partnership with Raising Nebraska. Pigs, cows, dogs and more will be a part of the day as students learn about animal health and how an animal’s body works inside and out. Students have the opportunity to think like a veterinarian as they learn about the muscles, bones, digestive system, and how animals’ lungs and hearts work together.

Throughout this day-long program, students will have hands-on activities and games that enhance learning and opportunities to learn more about animals and where their food comes from. They also have the opportunity to explore careers related to animal science and agriculture. Animals Inside & Out takes place in the fall at Raising Nebraska, and is an all-day program.

Grade Level: 5
Cost: FREE, bring a sack lunch
Location: Raising Nebraska

Plan a field day experience with us!
The INVENTURE program will ignite an entrepreneurial spark in your students! Working in teams, they will create a product or service from a widget and learn basic business principles throughout the process. The capstone of the INVENTURE program will consist of teams pitching their business idea “Shark-Tank” style. This is a full day on-site or off-site school program for 50-125 students.

Suggested Grade Level: 5-8

Standards: A complete list is available upon request.
Program Cost: $15 per student
Educator: D’Ette Scholtz

*The INVENTURE program is also available as an in-classroom program or after-school program. Four program sessions will be provided, utilizing 45 minutes per session. Program cost: $20 per classroom or $5 per student for an after-school program.

Demonstrations and hands-on activities highlight Youth Science Field Day. The day is targeted for students in the 9th and 10th grades, however other high school youth are welcome to attend. Topics will focus on general science, agricultural science and education & human science, with students rotating through stations. They also have the opportunity to explore careers related to the topics.

Youth Science Field Day takes place in the spring at Raising Nebraska, and is an all-day program.

Grade Level: 9-12
Cost: FREE (pending community sponsorships)
Location: Raising Nebraska
MOBILE IGROW EDUCATIONAL DISPLAYS

Take a break and “Go Mobile” with your classroom students! Bring your students to the Mobile iGrow interactive display that is set up in your school. These traveling displays are available for 2 ½ weeks at a time in September and early October, and will focus on different topics in agriculture. 4-H staff members will set up/take down displays and utilize the space you have available. Included with the displays are:

- A teaching guide to assist educators in leading a student discussion focused on display concepts.
- An activity sheet, tied to concepts from the displays, provided for all students. It can be used in the classroom or given as a take-home sheet for families.

*Complete unit correlates to Nebraska State Standards*
Mobile iGrow displays and resources are funded by the AKSARBEN Foundation. These resources are FREE to Hall County Schools. Contact the Extension Office to get your school on the schedule for Fall 2019.

► Survey results showed that 100% of students learned more about corn and have a better understanding of agriculture after the Mobile iGrow display.
► Local teachers commented: “They loved it! Hands-on and authentic learning in action.” “I hope we get more opportunities to do this.”
EDUCATIONAL RESOURCES TO CHECK OUT

Rental fee: $25 for two weeks, plus $50 deposit. Once the resources are returned in good order & checked by staff, the deposit will be refunded.

- **GPS Kit** - Includes handheld GPS units and geocaching containers.
- **Companion Animal Learning Lab** - Posters of companion animals that allow participants to learn about the body parts and structure of companion animals.
- **Robotics Kit** - Two NXT robotics kits with one set of software for the kits and/or two Lego WeDo kits with one set of software.
- **Ozobots** - Mini robots that code based on color patterns. Six available.
- **Makey-Makey** - Engage youth in circuits as they explore conductive vs non-conductive material and incorporate themselves safely into the circuit.
- **Snap Circuits Jr.** - Experiment with building your own circuit and learn more about how electricity works in your home.
Earn $$ for your classroom!

School Enrichment Program

County Fair Projects

Classroom teachers who have students participate in an Extension School Enrichment Program from this brochure will have the opportunity to exhibit “class” or “student” projects at the Hall County Fair. Teachers will receive the premium $$ for their classroom entries!

- **Class Project**: Exhibit of choice that illustrates what students learned during this program.
  
  Premium: $10.00 per classroom exhibit
  
  One entry per classroom per program.

- **Individual Student Project**: Exhibit of choice that illustrates what students learned during this program.
  
  Premium: $1.00 per student exhibit
  
  One entry per student per program.

Additional Information

- For student projects, please add the student’s name, school name, and classroom teacher/grade level to the front of each project. For classroom projects, please add the school name and classroom teacher/grade level to the front of each class project.

**IMPORTANT**: Please drop off your classroom exhibits to the Hall County Extension Office on or before May 24.

Projects may be picked up at the close of the Hall County Fair during exhibit release on Sunday, July 14th from 3 - 4:30 p.m. Any exhibits not picked up at the fair will be available at the Hall County Extension Office until August 31. Exhibits not picked up by this date will be discarded unless other arrangements are made.

**Hall County Fair: July 10-14, 2019**
Registration Form

**Online registration is available at**
http://hall.unl.edu/4-h-school-enrichment-programs/

Teacher Name: _______________________________________

Email________________________________________________

School _____________________ Grade_______________________

Phone number _______________ Best time to call:____________

List School Enrichment programs you are requesting and the month you prefer: (only 3 per teacher)

1._________________________________  Month____________

2._________________________________  Month____________

3._________________________________  Month____________

**School Enrichment Program Fees:**

- See individual program for the fee.
- Mileage will be charged to schools outside Grand Island.
- Embryology programs are offered in the Spring (March-May).

---

**Statistics (needed for state reports)**

**List # of students in each category:**

Total # of students_________  # of Hispanic students_________

Male_______  Female_______  

Ethnicity:

<table>
<thead>
<tr>
<th>American Indian/</th>
<th>White_______</th>
<th>Black_______</th>
<th>Alaska Native________</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hawaiian/</td>
<td>Hawaiian/</td>
<td>Hawaiian/</td>
<td>Hawaiian/</td>
</tr>
<tr>
<td>Asian___________</td>
<td>Asian________</td>
<td>Asian________</td>
<td>Asian________</td>
</tr>
<tr>
<td>Pacific Islander</td>
<td>Pacific Islander</td>
<td>Pacific Islander</td>
<td>Pacific Islander</td>
</tr>
</tbody>
</table>

---

Residence:

<table>
<thead>
<tr>
<th>Town/</th>
<th>Farm_______</th>
<th>Rural_______</th>
<th>City_______</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town/</td>
<td>Farm_______</td>
<td>Rural_______</td>
<td>City_______</td>
</tr>
</tbody>
</table>
Nebraska Extension in Hall County
Located at College Park
3180 W Hwy 34
Grand Island, NE 68801
308-385-5088
http://hall.unl.edu