



NEBRASKA EXTENSION
WASHINGTON COUNTY
SCHOOL ENRICHMENT PROPOSALS

2023-2024
Programming Year

FIFTH & SIXTH GRADE

Program	Price/Classroom	Length	Facilitator
Ag in the Classroom Kit	\$15.00	asynchronous	School Teacher
Farm in a Glove	\$5.00	2 45min sessions	Extension
Animals Inside & Out	\$10.00	3-6 45min sessions	Extension
Bridges & Structures	\$15.00	3 45min sessions	Extension
CSI: DNA	\$10.00	1 90min session	Extension
Dissection: Owl Pellets	\$15.00	1 45min session	Extension
Embryology	\$5.00	0-2 60min sessions	Extension
Kitchen Science	\$15.00	1 90min session	Extension
Microbiology	\$15.00	2 45min sessions	Extension
*Mobile Science Lab	TBD	varied	Extension
4-H STEM Challenge	FREE	varied	Either
*STEM Days	TBD	Field Day	Extension
Engaged U: Mindful Movement	\$5.00	4 45min sessions	Extension
*Leadership Summit	\$5.00	Field Day	Extension
Smart Cents	\$5.00	4-6 45min sessions	Extension
TEC Box	\$10.00	4 45min sessions	Either

PROGRAMS:

Ag in the Classroom Kit

Extension staff will provide you and your students with portable kits that help students to better understand Nebraska's largest industry – agriculture. Kits include activities in the areas of crop production and livestock production. The kit allows teachers can teach at their own pace.

Farm in a Glove

Students will learn about agriculture in Nebraska, parts of a plant and grow common crops in a glove.

Animals Inside & Out

Students will gain knowledge and understanding of the livestock, equine, and companion animals through topics of management, body systems, and careers to understand how animals work inside and out. Students will be able experience hands on learning opportunities to think like a veterinarian as they learn about the various topics to make connections of their knowledge of the animal industry to their lives.

Bridges & Structures

Students work as a team to explore the world of engineering as they build structures to meet specific needs out of household items.

Crime Scene Investigation: DNA

Students will construct DNA and discover how DNA sequencing aids investigators in solving crimes. Students will get to extract their own DNA and see it with their own two eyes.



Owl Pellet Dissection

Explore the world of animal predator/prey relationships by dissecting owl vomit (owl pellets). Students will learn about the life cycle of animals in the food chain as well as how food gets broken down during digestion in owls and in humans.

Embryology

This lesson teaches youth how life develops by observing the process of hatching baby chicks over a three-week period. During the lesson, students learn about the makeup of eggs, the difference between store eggs and fertilized eggs and the process of hatching chicks. Students assume responsibility of the eggs as if they were the mother hen and rotate the eggs in the incubator daily.

Kitchen Science

Students get comfortable in the kitchen while exploring the world of chemistry using simple ingredients, food, utensils and containers. Advanced level (4-8 grades): Participants will learn to predict outcomes and experiment with ordinary kitchen items.

Microbiology

Gain a crash course in microbiology and learn about different types of salmonella's and E coli's that are present in the environment and on food. Students will also learn about good bacteria and yeasts that make up our food.

Mobile Science Lab*

The Mobile Science Lab brings science to youth through interactive activities that show youth that science is all around them.

4-H STEM Challenge

Each year 4-H STEM Challenge helps students to learn fundamental STEM skills while they wrestle with the same questions as today's top scientists and engineers. Educators will provide a kit that walks through activities related to physics, light, engineering, coding and more.

STEM Days*

Students learn about engineering processes through a variety of hands-on activities.

Engaged U: Mindful Movement

Students will learn strategies that will support them to be more self-aware and enhance their social-emotional learning through movement, mindfulness practices and team building activities.

Leadership Summit*

At a critical time when early middle school students choose to take the wrong "trail" in life, help prepare them to be tomorrow's leaders and role models through Leadership Summit! Middle school youth will see the world from a new perspective and learn to be more effective leaders as well as team members after participating in this program. Leadership discovery and personality trait assessment sessions followed by engaging interactive leadership development activities will build knowledge of interpersonal and teamwork skills.

Smart Cents

Smart Cents helps youth develop financial skills and habits that will set them up for long term success. Students become real-world consumers as they gain insight on how they perceive money while making personal financial plans and decisions.



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TEC Box

Tinker. Explore. Create. Box was developed to introduce youth to the idea of entrepreneurship, encourage active listening that leads to empathy, creative problem solving and focus on non-technical aspects of entrepreneurship.

*Represents multi-grade or school-wide events that last ½ or full days. Most charged per student.