



HIGH SCHOOL

Program	Price/Classroom	Length	Facilitator
Husker Beef Lab	TBD	Varied	Extension
Bridges & Structures	\$15.00	3 45min sessions	Extension
Embryology	\$5.00	0-2 60min sessions	Extension
Microbiology	\$15.00	2 45min sessions	Extension
Connect the Dots	TBD	varied	Extension
4-H STEM Challenge	FREE	varied	Either
Resume and Interview Prep	FREE	2 45 min session	Extension

PROGRAMS:

Husker Beef Lab

The Husker Beef Lab provides hands-on experiences for middle and high school students. The mobile lab teaches students science principles through a ruminant animal (4 stomachs) by reaching inside the beef stomach. Students will learn about animal well-being, the nutritional aspects of beef, and more about pasture to plate in Nebraska.

Bridges and Structures

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

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.

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.

Connect the Dots

Interactive career exploration simulation program designed to help students learn more about careers of interest. Students explore how to connect the dots from early high school through postsecondary education and training to the workplace. Participants will learn about networking, work readiness skills, and complete personality inventories. Pairs well with Resume & Interview Prep Program. Offered to 9 & 10 grades.

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.

Resume and Interview Prep

Extension staff work with students to prepare them for the "real world". Students will evaluate and learn about proper interview techniques, building their resumes, and making a good first impression with a firm handshake.