



NORTH PANHANDLE IMPACT REPORT

Sioux, Dawes, and Sheridan Counties

4-H Prepares Youth for the Future – College and Career Readiness and STEM

Next Chapter at Nebraska – 210 8th grade students

Academic Success Series – 66 seniors

Connecting the Dots – 239 freshman and sophomore students

North Panhandle students are learning and practicing skills to prepare for and chart a personal path after high school graduation. They are engaged in exploring their own strengths and passions, career exploration, developing research skills, and discovering learning methods to help them transition to and succeed in college or a chosen career field. **Chadron High School Counselor:** *“Connecting the Dots Career Exploration Day ended up being our students’ favorite day of the year. This day was invaluable for students and they walked away with real life workplace experience, information on favorite career choices, networking with local employers, one-on-one conversations with reps from post-secondary institutions, and building work readiness skills.”*



STEM (Science, Technology, Engineering, and Math)

4-H teaches STEM concepts through inquiry based and hands-on activities help youth develop problem solving skills across the North Panhandle.

- **Animals Inside and Out** – 242 youth learned about the different animal body systems, animal by-products, animal care, and examined a steer heart and calf fetus
- **Get Your Geek On** – 40 youth focused on physics, using Catapults, the Egg Drop Challenge, and Water Rockets
- **Other programs** brought these experiences to students: Robotics, Embryology, Simple Machines, Pumpkin Life Cycle, Wear Tec, Binary Coding, and Geocaching



Ag Businesses \$harpen Pencils and Calving Skills

Unit Cost of Production Workshop provided producers with skills to determine enterprise analysis and unit cost of production helping identify where value is being created, where costs are occurring, and what management changes could be made to improve profit. **One participant said,** *“Unless you are doing an economic analysis to the depth we did in class then you don’t know if you are truly making money.”*

Assisting the Beef Cow at Calving delivered techniques for when and how to provide calving assistance. Producers surveyed collectively manage over 200,000 acres and nearly 35,000 beef animals, including over 8600 breeding females. All participants responded they are likely or very likely to make changes to their operation and feel the program will increase profitability in their beef enterprise. Half of the participants estimate a greater than \$20 per head increase in profit.

Avoiding Illness that Costs Americans More Than \$15.6 Billion Annually

ServSafe brought 51 food service professionals representing 27 dining services serving over 8000 people together for certification in food handling skills that prevent food borne illness annually affecting 1 in 6 Americans including 128,000 hospitalized and 3000 deaths.

Visit extension.unl.edu/statewide/northernpanhandle/ for more information.

Nebraska Extension

jnixon@unl.edu

Sioux County

 Harrison, NE

 308-668-2428

Dawes County

Chadron, NE

308-432-3373

Sheridan County

Rushville, NE

308-327-2312

