



INCORPORATING NEBRASKA 4-H EDUCATIONAL PRIORITIES INTO 4-H PRESENTATIONS

The University of Nebraska–Lincoln Extension 4-H Youth Development Program completed a statewide survey of Nebraskans in 2011. Based on feedback, the educational priorities for 4-H in our state will be focused through 2017 on the following areas:

- **4-H Science:** Nebraska 4-H develops science interests, skills, and abilities in the areas of agriculture, energy, environmental stewardship, and technology. It helps youth think and problem solve within a scientific framework and encourages an excitement for science.
- **Agricultural Literacy:** Nebraska 4-H ensures that Nebraska youth have a knowledge and appreciation of Nebraska's largest industry.
- **Career Development/College Readiness:** Nebraska 4-H prepares youth to make informed decisions about their college and career path and develops skills in young people that will lead to greater persistence in college and employability.
- **Citizenship and Leadership:** Nebraska 4-H fosters youth's commitment to their communities and grows future leaders.
- **Healthy Living:** Nebraska 4-H educates youth about how to make healthy and safe decisions in their daily lives.

These educational priorities are being integrated into the Nebraska 4-H Program in many different ways -- at club meetings, at workshops, at new programs, and more.

All presentations given at the 4-H Presentations Contest at the Nebraska State Fair should relate to how 4-H youth are learning about 4-H science, agricultural literacy, career development/college readiness, citizenship and leadership, or healthy living, through their 4-H experiences or 4-H projects. Enrollment in the project area in which the participant is making a presentation is not required. Below are some example presentation topics that show how various 4-H project areas can display what a 4-H youth is learning in one of the five educational priority areas.

If you have any questions, please contact 4-H Presentations Contest Superintendents Tracy Pracheil (tpracheil2@unl.edu or 402-472-9016) or Cathy Johnston (cjohnston1@unl.edu or 402-472-1762).

ANIMAL SCIENCE

(4-H projects related to Beef, Cat, Companion Animal, Dairy Cattle, Dog, Goat, Horse, Poultry, Rabbit, Sheep, Swine, Veterinary Science)
<http://4h.unl.edu/web/4hcurriculum/animalscience>

| EXAMPLE 4-H PRESENTATION TOPIC IDEAS | NEBRASKA 4-H OUTCOME AREA | | | | |
|---|------------------------------|--------------------------|---|----------------------------|----------------|
| | 4-H Science | Agricultural Literacy | Career Development/ College Readiness | Citizenship/ Leadership | Healthy Living |
| Digestive track of cattle, How vaccines work | X | | | | |
| Importance of Animal Production Agriculture, | | X | | | |
| Volunteering at local vet office, Livestock judging, Record keeping | | | X | | |
| Teaching proper handling of animals, Steps of pet adoption | | | | X | |
| Nutritional value of chicken, Proper cooking methods for cuts of meat | | | | | X |

COMMUNICATION AND EXPRESSIVE ARTS

(4-H projects related to Communications, Digital Video, Photography, Presentations, Theatre)
<http://4h.unl.edu/web/4hcurriculum/communication>

| EXAMPLE 4-H PRESENTATION TOPIC IDEAS | NEBRASKA 4-H OUTCOME AREA | | | | |
|---|------------------------------|--------------------------|---|----------------------------|----------------|
| | 4-H Science | Agricultural Literacy | Career Development/ College Readiness | Citizenship/ Leadership | Healthy Living |
| How a lens reflects light, How a camera works, Communication through technology | X | | | | |
| Farming through photographs, How to talk about agriculture to others | | X | | | |
| Communication in the workplace, Verbal and Nonverbal parts of communication | | | X | | |
| Leadership in communication, Importance of art in your community | | | | X | |
| Creating a healthy meal by color, Getting over stage fright | | | | | X |

ENVIRONMENTAL EDUCATION AND EARTH SCIENCES

(4-H projects related to Conservation, Entomology, Forestry, Range, Shooting Sports, Wildlife)

<http://4h.unl.edu/web/4hcurriculum/environment>

| EXAMPLE 4-H PRESENTATION TOPIC IDEAS | NEBRASKA 4-H OUTCOME AREA | | | | |
|--|------------------------------|--------------------------|---|----------------------------|----------------|
| | 4-H Science | Agricultural Literacy | Career Development/ College Readiness | Citizenship/ Leadership | Healthy Living |
| Tree identification, Identifying soil types and what they grow | X | | | | |
| Impact of insects in the field, Endangered species and how they effect agriculture | | X | | | |
| Life of a park ranger, Tree and forest health management | | | X | | |
| Recycling, Compost to reduce waste | | | | X | |
| Gun safety, Water quality monitoring, Making your home “green” friendly | | | | | X |

FAMILY AND CONSUMER SCIENCE

(4-H projects related to Clothing, Consumer Management, Entrepreneurship, Fiber Arts, Heritage, Home Environment, Human Development)

<http://4h.unl.edu/web/4hcurriculum/consumerscience>

| EXAMPLE 4-H PRESENTATION TOPIC IDEAS | NEBRASKA 4-H OUTCOME AREA | | | | |
|--|------------------------------|--------------------------|---|----------------------------|----------------|
| | 4-H Science | Agricultural Literacy | Career Development/ College Readiness | Citizenship/ Leadership | Healthy Living |
| How fabric is dyed, Science of stain removal | X | | | | |
| Where does your clothing come from?, How cotton becomes fabric | | X | | | |
| Managing a budget, Time Management, Handling Money | | | X | | |
| History of your town, Community Clothing Drive | | | | X | |
| How to set financial goals, How to reduce energy and water usage | | | | | X |

HEALTHY LIFESTYLES EDUCATION

(4-H projects related to Food and Nutrition, Health, Lifetime Sports, Physical Fitness, Safety)

<http://4h.unl.edu/web/4hcurriculum/healthylifestyles>

| EXAMPLE 4-H PRESENTATION TOPIC IDEAS | NEBRASKA 4-H OUTCOME AREA | | | | |
|--|------------------------------|--------------------------|---|----------------------------|----------------|
| | 4-H Science | Agricultural Literacy | Career Development/ College Readiness | Citizenship/ Leadership | Healthy Living |
| The science of food, What's my food made of?, How heat effects certain foods | X | | | | |
| Nutrition of corn, Farm safety | | X | | | |
| Rules of a sport, Sports as a career | | | X | | |
| Teaching the food pyramid, How to use First Aid, Accident prevention | | | | X | |
| Healthy eating, Weight control, Effects of smoking, Fire Safety | | | | | X |

LEADERSHIP AND CITIZENSHIP

(4-H projects related to Citizenship, Leadership)

<http://4h.unl.edu/web/4hcurriculum/leadershipandcitizenship>

| EXAMPLE 4-H PRESENTATION TOPIC IDEAS | NEBRASKA 4-H OUTCOME AREA | | | | |
|--|------------------------------|--------------------------|---|----------------------------|----------------|
| | 4-H Science | Agricultural Literacy | Career Development/ College Readiness | Citizenship/ Leadership | Healthy Living |
| Concepts of leadership, Science in our culture | X | | | | |
| What agriculture does for my community, Agriculture in politics | | X | | | |
| Leading on a team, How to manage a group project, Conflict management | | | X | | |
| Teaching the importance/values of leadership, Improvement project for your town | | | | X | |
| Meals from different countries, Lifestyles of different countries compared to the U.S. | | | | | X |

PLANT SCIENCE

(4-H projects related to Crop Production, Horticulture)
<http://4h.unl.edu/web/4hcurriculum/plantscience>

| EXAMPLE 4-H PRESENTATION TOPIC IDEAS | NEBRASKA 4-H OUTCOME AREA | | | | |
|---|------------------------------|--------------------------|---|----------------------------|----------------|
| | 4-H Science | Agricultural Literacy | Career Development/ College Readiness | Citizenship/ Leadership | Healthy Living |
| Parts of a flower, How seeds germinate, Pesticide & insecticide usage, Habits of plants | X | | | | |
| The many uses of corn, Identifying soil types and what they grow | | X | | | |
| Life of an agronomist, Arranging flowers | | | X | | |
| Planning a community garden, How to plant flowers, | | | | X | |
| Controlling insects, How to properly apply fertilizer to your lawn | | | | | X |

SCIENCE, ENGINEERING, AND TECHNOLOGY

(4-H projects related to Aerospace, Computers, Electricity, Robotics, 4-Wheelin', Small Engines, Welding, Wind Energy, Woodworking)
<http://4h.unl.edu/web/4hcurriculum/set>

| EXAMPLE 4-H PRESENTATION TOPIC IDEAS | NEBRASKA 4-H OUTCOME AREA | | | | |
|---|------------------------------|--------------------------|---|----------------------------|----------------|
| | 4-H Science | Agricultural Literacy | Career Development/ College Readiness | Citizenship/ Leadership | Healthy Living |
| How an engine works, All about the solar system, Parts of a computer, Astronomy | X | | | | |
| GPS on the farm, Engines in agriculture | | X | | | |
| Types of welds and where they're used, Efficient use of electricity | | | X | | |
| Teaching ATV safety, How to build birdhouses | | | | X | |
| Wind as fuel, Internet Safety, Machinery Maintenance | | | | | X |

