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ENVIRONMENTAL EDUCATION & EARTH SCIENCES PROJECT FOCUS

POLK COUNTY 4-H PROJECT OVERVIEW

ALL 4-H ENVIRONMENTAL EDUCATION & EARTH SCIENCE PROJECT CONTENT



4-H Wildlife & Fisheries Project

In the wildlife and fisheries 4-H project area, youth can discover the ecosystems and animal species around them and gain expertise with fishing. Discover concepts in biology and use that knowledge to conserve wildlife habitats and natural ecosystems or catch and interest in fishing.



4-H Range Management Project

Nebraska is made up of millions of acres of pasture and rangelands. Experience the different plants and animals that make them up and learn how to manage their interaction to preserve the resources for our future and enjoy them in the present!



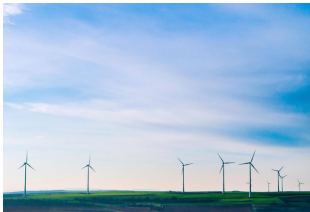
4-H Geology & Minerals Project

The geology and minerals 4-H project area rocks! Collect and study different rocks, explore geological structures, make your own crystals, learn the rock cycle, or create jewelry with rocks and minerals.



4-H Forestry Project

Learn how to read the forest by identifying tree types and species in your area, how grow a tree and the many benefits trees provide our environment and in our daily lives.



4-H Power of Wind

Learn about the engineering design process to learn about the wind and its uses. Participants will design, create, build and test wind-powered devices and explore wind as a potential energy source in their community.



4-H Conservation

What will your legacy be? Through learning about conservation and stewardship, you will learn how your actions directly impact the future of our plant.

Do you want to make Earth a better place to live?

- Understand the connection between living and nonliving things.
- Learn about the energy cycle and renewable and nonrenewable energy.
- Understand the importance of food, water, shelter and space for all living things.
- Learn how to be a good environmental steward by recycling, conserving and preserving.
 - Here are some things you can do to get started:
 - Choose an environmental focus (birds, entomology, forestry, etc.).
 - Observe life cycles of insects.
 - Learn about energy cycles.
 - Create a collection (leaves, seeds, insects, plants).
 - Learn the proper way to mount your collection and identify what you found.

Resources

4-H Resources

Other Resources

Other opportunities to explore the project:

National & State Curriculum

- [Exploring Your Environment](#)
- [Forestry](#)
 - Leafing Out
 - Tree ID Manual
- [Wildlife Conservation](#)
 - Amphibians and You
 - Bird Behavior
 - Wildlife Conservation
 - Fishing
- [Range Management](#)
 - Reading the Range
 - Using Nebraska Ranges
- [Geology](#)
- [Power of Wind](#)

- National Park Service
- <https://www.nps.gov/index.htm>
- [Walk on the Wild Side: Explore Your Public Lands](#)
- [Windows to the Universe: Climate and Global Change](#)
- [Earth Day 2020](#)
- [Discover the Forest](#)
- [NE Game and Parks](#)
- [National 4-H Power of Wind](#)
- [Geology.com](#)

- Prepare a display or notebook about forestry.
- Take a hike and take pictures of wildlife.
- Learn to cast animal tracks
- Make a bird house
- Go on a rock hunt and learn about the different rocks you collected.
- Explore a wildlife habitat close to you.
- Make a casting target for fishing.
- Explore how traditional ag producers are adding value to their production with conservation efforts.