

4-H VETERINARY SCIENCE PROJECT



Step It Up!

Pass it on! Now that you know how, share it with others. Here are ideas to get you started.

Communication

- Give an educational presentation on types of injections and how to vaccinate animals
- Develop an animal health management plan with a veterinarian
- Help in presenting in a FSQA session

Are You Into It?

Do you have an animal you want to keep healthy or are you interested in a career keeping animals healthy? The 4-H Veterinary Science project helps you explore and learn more about animal health in your home, club, community, country, and world. Grow your knowledge about how animal health affects public health!

- Appreciate the importance of good management and sanitation practices in keeping animals and birds healthy
- Learn the values of scientific research and its influence on animals and their health

Here's what you can do all year!

Citizenship

- Volunteer at a local veterinary clinic
- Volunteer at Animal Rescue League
- Start a campaign encouraging pet owners to neuter and spay their pets

Leadership

- Help members develop a health care plan for their animal projects
- Create a bio-security informational sheet and kit for 4-H members to keep at their livestock areas
- Organize a pet first aid class through your local Red Cross Chapter

Starting Out Basic / Level 1

- Understanding differences of species in body styles, systems, breeds and life stages.
- Explore the animal basic needs and health/safety.
- Learn how veterinarians and owners work together to keep animals healthy.
- Investigate the many careers of animal science and veterinary science.

Learning More Intermediate / Level 2

- Discover the importance of Food Safety and Quality Assurance.
- Explore biosecurity and an animal health management plan for animals.
- Consider ethics and animal welfare
- Develop and maintain accurate health records for animals and pets.
- Investigate health issues related to body systems, diseases, parasites and the importance of immunity.

Expanding Horizons Advanced / Level 3

- Incorporate science into understanding of genetics and animal reproduction and health.
- Research the use of veterinary technology and procedures
- Identify the transfer of diseases between animals and humans.
- Further explore non-veterinary, animal-related careers

4-H
GROWING TOGETHER



Take Veterinary Science further!

Here are other opportunities to explore Veterinary Science:

- Assist with a local Food Safety Quality Assurance class for younger 4-H members
- Schedule a job shadow with your local veterinarian
- Become a youth representative on a livestock bio-security advisory group
- Set-up a local/area animal disease emergency preparedness and response team
- Attend Animal Science Round-Up as part of the Iowa 4-H Youth Conference and participate in one of the livestock areas.
- Attend the Iowa State Fair Vet Camp (registrations available online)
- Is it fair time? Consider a communications speech or develop a poster or video for your county fair or the Iowa State Fair.
- Contact your county ISU Extension Office for other local workshops, activities, and events
- Interested in a college education in animal science or veterinary medicine? Schedule a visit with Iowa State University to explore those majors. www.iastate.edu

Exhibit Ideas

- Create a display of products which come from livestock or animals
- Compare/Contrast various health management plans for a type of animal
- Interview a veterinarian and report on the various parts of their job.
- Create a display showing the difference in animal digestive systems
- Create a poster illustrating the types of injections for animals
- Research domestic animal health issues and how they affect people
- Research wild animal health issues and how they affect people
- Create a first aid kit for large or small animals
- Make a poster showing how to care give first aid to an animal
- Make a poster about foods, plants, and/or household items that are poisonous to animals
- Take a tour of the Iowa State University Vet College
- Learn about newly approved feed additives for livestock and their uses
- Show the growth curve over an animal's lifetime
- Develop a video on proper hoof care for an animal
- Develop a video or power point on ethics in the livestock industry

Resources

4-H Resources

- Iowa 4-H Veterinary Science www.extension.iastate.edu/4h/projects/Livestock/vetscience.htm
- From Airedales to Zebras Level 1 (4H 0760A)
- All Systems Go! Level 2 (4H 0760B)
- On the Cutting Edge Level 3(4H 0760C)
- University of Nebraska 4-H Vet Science Series
- The Normal Animal (EC 29981)
- Animal Disease 2 (4H 48)
- Animal Health and Its Relationship to Our World 3 (4H133)
- University of California-Davis <http://anrcatalog.ucdavis.edu/10900/8372.aspx>

Other Resources

- Iowa State University College of Veterinary Medicine <http://vetmed.iastate.edu/>
- American Veterinary Medical Association www.avma.org/
- AVMA – Pet First Aid www.avma.org/firstaid/
- American Association of Veterinary Medical Colleges www.aavmc.org/
- American Veterinary Medical Association www.youtube.com/AmerVetMedAssn
- Future Vet www.futurevet.net
- Healthy Pets www.cdc.gov/healthypets/

Record Keeping

- [4-H Yearly Summary \(4H0096\)](#)
- [Basic 4-H Project Record \(4H-0096A\)](#)
- [Experienced 4-H Project Record \(4H0096B\)](#)
- [Advanced 4-H Project Record \(4H0096C\)](#)
- [Record keeping Self-Evaluation \(4H98\)](#)

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