

Veterinary Science Content Standards
Level 3: On the Cutting Edge
Grades 9-12

Project Area Skill refers to the subject matter based skill which youth demonstrate in relation to the correlating content standard.

Objective:

Career Readiness-

- 1. Students will identify their career interests and aptitudes to develop an educational plan which supports personal career goals.**

Benchmarks: 9-12: A,C,E

Project Area Skill: After learning about the many careers in the field of animal science the youth will identify their skills and personalities by filling out a self analysis and career profile. From the analyses the youth will decide what career best suits their interests. They will also learn about the importance of higher education and how the initial expense and time commitment is trumped by salary increase and job availability.

- 2. Students will utilize and manage resources effectively to produce quality services and products.**

Benchmarks: 9-12: A

Project Area Skill: The youth will learn about the many resources a vet may utilize in their profession. In turn the youth will participate in activities that will require time and resource management to accomplish the goals addressed by the animal science activities. They will also participate in evaluating each activity by discussing questions listed in the workbook with their peers and group leader.

3. Students will demonstrate the technological knowledge and skills required for future careers.

Benchmarks: 9-12: A,C,D

Project Area Skill: Many of the tools used in the field of animal science are explained in this activity book. The youth will use computer skills or visit a local veterinarian's office to learn the uses of these tools and complete a matching activity. Furthermore, the youth will use the internet to look up definitions and delve deeper into the lessons taught by the activities.

4. Students will develop and demonstrate responsible and ethical workplace behaviors.

Benchmarks: 9-12: A,C,D

Project Area Skill: The youth will look at the positive relationship between humans and animals, and the important role a veterinarian plays in maintaining an animal's health. The youth will also learn the educational needs required to pursue a degree in veterinary science and the responsibilities the youth will face financially as they pursue college.

5. Students will develop effective leadership, interpersonal, and team skills.

Benchmarks: 9-12: A,C

Project Area Skill: The youth will set up an appointment with a veterinarian and learn about disease, medical tools, and the interpersonal skills that are required in this field of animal science. Team skills are also utilized as the youth work together to accomplish activities and discuss what they have learned.

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Objective:

Language Arts-

- 1. Reading and Listening for Comprehension: students will apply strategies and skills to comprehend information that is read, heard, and viewed.**

Benchmarks: 9-12: A,B,C,D

Project Area Skill: Online research, as well as interviewing local veterinarians are the methods suggested for the youth to obtain information for many of the animal science activities. Youth will document information in charts and diagrams as well as answer comprehensive questions listed at the end of each activity.

- 2. Writing and Speaking for Expression: students will communicate effectively through speaking and writing.**

Benchmarks: 9-12: A,C

Project Area Skill: The youth will learn vocabulary or “lingo” used in the field of veterinary science. They will practice the meaning of these words through discussion of activities with their peers and answering questions listed throughout the book. Moreover the students will understand the importance of appropriate communication and documentation as it relates to the field of animal science.

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Objective:

Science-

Strand I: Scientific Thinking and Practice

Standard I: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting and validating to think critically.

9-12 Benchmarks: I,II

Project Area Skill: Using the structure of the scientific method the youth will investigate hypotheses and conduct experiments relating to sampling populations. The youth will also use tables to document their observations and form conclusions based on the results of the data.