University of California
Agriculture and Natural Resources | 4-H Youth Development Program

4-H Members Name:_____ Club:_____

VETERINARY SCIENCE - Level 1

Explorer-The explorer level is the most basic of all levels. The youth begins to explore the boundaries of the project area, touching on many skills and knowledge areas that will be expanded later.

Date	Initial	
____	____	1. Name five behaviors that might be used to diagnose the presence of disease in an animal.
____	____	2. What are the normal body temperatures of the following animals? Cattle Dog Goat Sheep Cat Fowl Swine Horse
____	____	3. What is a pulse? Where do you take the pulse on cattle and horses.
____	____	4. Define respiration and be able to give the respiration rate of two large animals and two small animals.
____	____	5. Name three factors which should be considered when choosing, locating and constructing housing for your animal.
____	____	6. Name three instances in which cleanliness and disinfection are important and tell why.
____	____	7. What are the three main parts of a cell and what is the important job each one does?
____	____	8. Name the four basic tissues of the animal and give each of their functions. Give an example of each.
____	____	9. Define the term "organ system" and give five examples.
____	____	10. Explain the main difference between ruminant and monogastric animals.
____	____	11. What is a parasite? Identify the two main types of parasites and give two examples of each of three different species.
____	____	12. Describe the steps that are taken to test a fecal sample of an animal for internal parasites.
____	____	13. What is equine colic? What are some of its signs?
____	____	14. Define necropsy. Why does a veterinarian perform necropsy?
____	____	15. Define dystocia. Give three examples of dystocia.
____	____	16. Give an example of a situation in which a veterinarian might use an X-Ray machine.

ACTIVITIES Complete a minimum of three of the following:

____	____	1. Attend three seminars given by veterinarians.
____	____	2. Give a demonstration at County Presentation Day sharing your knowledge in veterinary science.
____	____	3. Take part and assist in a rabies vaccination clinic. (Many communities hold such clinics once or twice a year.)
____	____	4. Plan and follow through on a parasite control program for an animal you own.
____	____	5. Attend a field day event where some aspect of animal health is discussed. (This includes U. C. Davis Field Day)
____	____	6. Put together a display, poster, etc. to enter in your local County Fair.

Project Leader's Signature of Completion: _____ Date:_____

4-H Program Representative Approval: _____ Date:_____

COMMENTS:_____

_____

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VETERINARY SCIENCE - Level 2

The Producer level builds and expands on the knowledge and skills learned in level 1- Explorer.

Project Leader's Signature of Completion: _____ Date:_____

4-H Program Representative Approval: _____ Date:_____

COMMENTS:_____

_____

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VETERINARY SCIENCE - Level 3

The Consumer level takes the member beyond the immediate project, out into the community, as they explore the project area in depth.

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Project Leader's Signature of Completion: _____ Date:_____

4-H Program Representative Approval: _____ Date:_____

COMMENTS:_____

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