

Agriculture, Food and Natural Resources: Veterinary Assisting 1 (2021): Grades 9-12

Describe veterinary science and the role of animals in society. The student will be able to: **1.0**

- 1 Define veterinary science. 1.1**
- 2 Identify key components in the domestication of animals. 1.2**
- 3 Choose current issues facing the animal industry today and describe the effect of each on society. 1.3**

Describe the socioeconomic role of veterinary sciences on the companion animal and livestock industries. The student will be able to: **2.0**

- 1 Summarize the history of the veterinary science, companion animal and livestock industry. 2.1**
- 2 Discuss the role of companion animals on the veterinary science industry. 2.2**
- 3 Discuss the role of livestock animals on the veterinary science industry. 2.3**

Discuss the human-animal bond and its effects on human health. The student will be able to: **3.0**

- 1 Describe the human-animal bond and its influence on veterinary care. 3.1**
- 2 Compare and contrast different types of human-animal bonds for companion animals, working animals and livestock. 3.2**
- 3 Discuss the positive health effects on people resulting from their interaction with animals. 3.3**
- 4 Discuss programs that use human-animal interaction as a therapy tool. 3.4**
- 5 Describe the characteristics of animals used in the animal-facilitated therapy programs. 3.5**
- 6 Describe national and local programs that use animal-facilitated therapy. 3.6**
- 7 Discuss stages of grief of animal loss. 3.7**

Demonstrate the proper use of veterinary science terminology. The

- 1 Define common veterinary and medical terms, including directional terminology. 4.1**

student will be able to: 4.0

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- 2 Compile a list of prefixes, suffixes, and root words for veterinary medical terminology.** 4.2
 - 3 Categorize gender and species-related terminology.** 4.3
 - 4 List common medical and veterinary abbreviations** 4.4
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Identify careers in the animal industry. The student will be able to: 5.0

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- 1 Differentiate between entry and advanced level animal-industry careers.** 5.1
 - 2 Identify professional organizations and trade journals in the animal industry.** 5.2
 - 3 Investigate career opportunities in the veterinary science, companion animal, and large animal industry; also identify degree or credential needed to prepare for those careers.** 5.3
 - 4 Using national or state credentialing agencies as a reference, distinguish between a Veterinary Assistant, Credentialed Veterinary Assistant, Veterinary Technician, Credentialed Veterinary Technician, and Veterinary Technologist.** 5.4
 - 5 Investigate requirements necessary to earn and maintain Veterinary Assisting Certification.** 5.5
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Practice safety. The student will be able to: 6.0

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- 1 Recognize and avoid potential safety hazards (physical, chemical, biological and zoonotic).** 6.1
 - 2 Utilize proper safety precautions and procedures when working in the hospital and/or animal handling areas.** 6.2
 - 3 Demonstrate knowledge on how to use personal protective equipment- PPE (wears gloves, goggles, face mask, ear plugs, apron, gown, cap, and shoe covers when needed)** 6.3
 - 4 Locate and demonstrates use of an eye wash solution or station** 6.4
 - 5 Locate first aid kit and fire extinguisher** 6.5
 - 6 Explain OSHA (Occupational Safety and Health Act) and its regulations pertaining to a veterinary practice, including sanitation, safety of employees and the employee's right to know of potential work place hazards through SDS (Safety Data Sheets) and the written hazard communication plan** 6.6
 - 7 Demonstrate knowledge of OSHA regulations regarding the handling, placement and disposition of sharps and bio-hazardous material** 6.7
 - 8 Handle and uses disposable "sharps" containers in a safe manner** 6.8
 - 9 Explain correct labeling of secondary containers with appropriate safety information** 6.9
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10 Practice safety precautions around animals, list the most common causes of animal related accidents. 6.10

Recognize normal and abnormal animal behaviors. The student will be able to: 7.0

1 Identify instinctive and learned behaviors. 7.1

2 Differentiate between normal and abnormal behavioral characteristics of animals. 7.2

3 Recognize signs of aggressive animal behaviors. 7.3

4 Describe behavioral changes due to aging. 7.4

Restrain and control companion and livestock animals. The student will be able to: 8.0

1 Discuss the proper method for placing large animals in a stall, paddock, and trailer. 8.1

2 Safely handle and restrain dogs, cats, and other animals for exams, procedures, and treatment to prevent undue stress or harm to either animals or humans. 8.2

a Lifting positioning and restraining animals 8.2.A

b Position an animal in sternal dorsal and lateral recumbency 8.2.B

c restraint of a small dog on an exam table 8.2.C

d restraint of a cat on an exam table 8.2.D

e restraint of a large dog on an exam table, lift table, and on the floor 8.2.E

f place a lead on a dog slip lead and standard leash 8.2.F

3 Demonstrate verbal and physical restraint of animals. 8.3

4 Demonstrate how to match appropriate level of restraint for an individual animal's level of resistance and situation. 8.4

5 Explain appropriate methods for placing and removing animals from kennels 8.5

6 Identify venipuncture sites and accepted restraint for companion and livestock animals; [ex. cephalic vein (cat & dog), jugular vein (cat & dog), femoral vein (cat), saphenous vein (dog)jugular (horse & goat), tail (cow & pig)] 8.6

7 Demonstrate use of muzzle on a dog using commercial, leash, and gauze muzzles of appropriate size. 8.7

8 Demonstrate currently accepted standards for restraint of the cat including towels, scruff technique, commercial muzzles, cat bags, leather gloves, and the squeeze cage 8.8

9 Explain methods of restraint for exotic and avian animals. 8.9

10 Identify the appropriate restraining methods for the following: 8.10

a Halter, tie and lead horses and cattle 8.10.A

- b Application of twitch, nose tongs 8.10.B
- c Restrain sheep, goats and swine 8.10.C
- d Restrain poultry 8.10.D

Discuss chemical restraints of animals. 9.0

- 1 Identify common breeds of companion animals and husbandry practices. The student will be able to:** 9.1
- 2 Identify canine breeds and list breed characteristics and husbandry practices.** 9.2

Identify feline breeds and list breed characteristics and husbandry practices. 10.0

- 1 Demonstrate human-relations, communications and leadership through FFA activities. The student will be able to:** 10.1
- 2 Identify the opportunities for leadership development available through the National FFA Organization and/or professional organizations.** 10.2
- 3 Delineate the major events in the history of the FFA.** 10.3
- 4 Develop, implement, and maintain work-based learning through a Supervised Agricultural Experience (SAE) program.** 10.4
- 5 Collect, interpret, and analyze data using an organized record-keeping system** 10.5