

Agriculture, Food and Natural Resources: Veterinary Assisting 3 (2021): Grades 9-12

Demonstrate knowledge of animal control and animal welfare organizations. The student will be able to: 1.0

- 1 Differentiate between animal control agencies and animal welfare organizations. 1.1
- 2 Describe the responsibilities and goals of animal control agencies and animal welfare organizations 1.2
- 3 Identify and locate local animal control agencies and animal welfare organizations. 1.3

Describe the problems, causes, and solutions of animal overpopulation. The student will be able to: 2.0

- 1 Explain the cause and effect of overpopulation in animals. 2.1
- 2 Define euthanasia and describe its role in animal overpopulation. 2.2
- 3 Explain the pet owners' and societies' responsibilities concerning animal overpopulation. 2.3
- 4 Discuss the medical benefits of spaying and neutering. 2.4

Locate and interpret animal-related laws, in state statutes, or local ordinances . The student will be able to: 3.0

- 1 Describe local animal control laws. 3.1
- 2 Describe permitting requirements for exotic and wildlife animals. 3.2
- 3 Demonstrate knowledge of local and state animal regulations. 3.3
- 4 Determine the legal limitations of duties of an employee in the animal services industry. 3.4
- 5 Identify when an Animal Health Certificate is required. 3.5
- 6 Explain the laws governing the sale of animals and the disposal of animals. 3.6
- 7 List the legal options for euthanasia. 3.7
- 8 List the legal options for disposal of the pet's body. 3.8

Identify the different digestive systems of animals and the nutritional requirements of selected species. The student will be able to: 4.0

- 1 Differentiate between ruminants and non-ruminants (monogastric and hind gut fermentors).** 4.1
- 2 Differentiate the teeth and eating habits of omnivores, carnivores, and herbivores.** 4.2
- 3 Describe the basic nutritional requirements of selected species.** 4.3
- 4 Analyze different feed labels and identify feed ingredients.** 4.4
- 5 Explain the appropriate storage for dry and canned dog or cat food.** 4.5
- 6 Explain nutritional needs based on life stage and size of animal and choose appropriate food and amount for specific animals for general care.** 4.6
- 7 Explain potential problems with feeding therapeutic foods incorrectly or to the wrong patient.** 4.7

Explain the reproductive system and breeding of common companion and livestock animals. The student will be able to: 5.0

- 1 Explain the male and female reproductive systems of common companion and livestock animals.** 5.1
- 2 Determine sex of animals.** 5.2
- 3 Determine appropriate age or weight for breeding.** 5.3
- 4 Identify gestation length.** 5.4
- 5 Describe estrous cycle.** 5.5
- 6 Describe breeding techniques (ex. Natural, artificial insemination etc.)** 5.6
- 7 Identify selection criteria of males and females for reproduction.** 5.7
- 8 Describe care of breeding stock.** 5.8

Investigate the common husbandry practices and daily care of companion animals and exotic animals and fish. The student will be able to: 6.0

- 1 Describe breeds, characteristics and husbandry and care of guinea pigs.** 6.1
- 2 Describe breeds, characteristics and husbandry and care of chinchillas and degus.** 6.2
- 3 Describe breeds, characteristics and husbandry and care of ferrets.** 6.3
- 4 Describe breeds, characteristics and husbandry and care of amphibians.** 6.4
- 5 Describe breeds, characteristics and husbandry and care of reptiles.** 6.5
- 6 Describe breeds, characteristics and husbandry and care of birds.** 6.6
- 7 Describe breeds, characteristics and husbandry and care of fish.** 6.7

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- 8 Describe breeds, characteristics and husbandry and care of avian species. 6.8**

 - 9 Describe breeds, characteristics and husbandry and care of reptile species. 6.9**

 - 10 Describe breeds, characteristics and husbandry and care of fish. 6.10**

 - 11 Describe breeds, characteristics and husbandry and care of rabbits. 6.11**

 - 12 Describe breeds, characteristics and husbandry and care of rodents. 6.12**
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Demonstrate knowledge of preventive medicine and disease control- the students will be able to: 7.0

- 1 Describe the importance of preventive medicine for animal health. 7.1**

 - 2 Differentiate between healthy and sick animals. 7.2**

 - 3 Describe common infectious and noninfectious diseases of animals to include bacterial, viral, fungal, prion and zoonotic. 7.3**

 - 4 Describe vaccinations available for disease prevention and vaccination procedures. 7.4**

 - 5 Describe isolation or quarantine procedures for new or sick animals. 7.5**

 - 6 Describe methods of preventive medicine and quarantine for disease control in a kennel, cattery, paddock, rabbitry, and zoo. 7.6**

 - 7 Discuss the terms immunology and active and passive immunity as it applies to disease and vaccination. 7.7**

 - 8 Describe concepts for periodic health check-up. 7.8**

 - 9 List and discuss common zoonotic diseases. 7.9**
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Demonstrate human-relations, communications, leadership, and employability skills. The student will be able to: 8.0

- 1 Follow oral and written directions with understanding; ask questions that clarify directions as needed. 8.1**

- 2 Communicate effectively in verbal, written, and nonverbal modes; demonstrate effective telephone skills. 8.2**

- 3 Conduct small, informal, formal, and group meetings using basic parliamentary procedure. 8.3**

- 4 Identify the opportunities for leadership development available through an appropriate student and/or professional organization. 8.4**

- 5 Demonstrate acceptable employee hygiene habits. 8.5**

- 6 Complete pertinent forms for employment, such as a resume, a job application, a W-4 form. 8.6**

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- 7 Demonstrate job interview techniques.** 8.7
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- 8 Student avoids misrepresentation, slander, violating client confidentiality, substandard patient care, substance abuse, or animal abuse/neglect.** 8.8
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- 9 Explain the veterinarian-client-patient relationships** 8.9
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- 10 Explain the importance of keeping their credentials current with continuing education credits** 8.10
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- 11 Conforms to safety and professional dress code by dressing in well- fitting scrubs or uniforms, closed- toed shoes, avoids excessive or loose jewelry, or excessive and visible body-piercings or tattoos, avoids long or fake nails, and keeps hair short or tied back.** 8.11
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- 12 Actively observe his/her working environment and animals, promptly reporting observations and concerns to the veterinary technician or veterinarian as needed.** 8.12
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- 13 Demonstrate initiative to complete tasks.** 8.13
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- 14 Accurately follow both oral and written instructions.** 8.14
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- 15 Discuss ways to resolve complaints or conflicts with either pet owners/clients or co-workers in a professional manner.** 8.15