

AE.SAC. PRE-VET/SMALL ANIMAL CARE ESSENTIAL CURRICULUM

Goals:

- Develop knowledge of the language used in veterinary medicine.
- Develop knowledge of careers in small animal care and veterinary medicine.
- Acquire knowledge of animal rights and welfare.
- Demonstrate proper care of various small animals.
- Demonstrate safe and effective methods used in handling and restraining small animals.
- Develop knowledge of nutrition and digestive systems of small animals.
- Identify common animal diseases, preventions, and treatments.

AE.SAC.10 Demonstrate an understanding of the history of animal domestication and an awareness of the small animal industry.

- AE.SAC.10.01 Describe the importance of animal domestication
- AE.SAC.10.02 Describe the importance of the small animal industry
- AE.SAC.10.03 Describe how organisms are classified
- AE.SAC.10.04 Explain the use of small animals in society

AE.SAC.20 Develop an understanding of animal rights and welfare.

- AE.SAC.20.01 Define animal rights and animal welfare
- AE.SAC.20.02 Discuss issues concerning animal rights and animal welfare

AE.SAC.30 Develop skills involving leadership in the vet/small animal industry.

- AE.SAC.30.01 Explain the value of leadership in course related careers
- AE.SAC.30.02 Develop speaking skills needed when working with the public
- AE.SAC.30.03 Identify potential career opportunities through participation in FFA Career Development Events

AE.SAC.40 Develop an awareness of careers in small animal care

- AE.SAC.40.01 Compare opportunities in small animal care and management
- AE.SAC.40.02 Describe the nature of the work, salaries, and requirements necessary for obtaining a job in the areas of small animal care

AE.SAC.50 Exercise knowledge of general safety when working with small animals and recognize methods used in handling and restraining small animals.

- AE.SAC.50.01 Describe safety procedures to be used in a lab
- AE.SAC.50.02 Identify safe methods of working with and around small animals

- AE.SAC.50.03 Identify methods of restraining and handling various small animals
- AE.SAC.50.04 Identify equipment used to restrain small animals

AE.SAC.60 Recognize characteristics of a healthy animal.

- AE.SAC.60.01 Develop an understanding of what a healthy animal looks like
- AE.SAC.60.02 Understand how to take the temperature, pulse, and respiration rate of small animals

AE.SAC.70 Demonstrate a knowledge of nutrition and digestive systems of small animals

- AE.SAC.70.01 Define the terms nutrient and nutrition
- AE.SAC.70.02 List the six basic nutrient groups
- AE.SAC.70.03 Discuss monogastric digestive systems
- AE.SAC.70.04 Discuss the importance of the various nutrients in the diet of animals

AE.SAC.80 Acquire and apply knowledge and skills when working with dogs

- AE.SAC.80.01 Define the seven major groups of dogs.
- AE.SAC.80.02 Identify breeds that make up the seven major groups
- AE.SAC.80.03 Identify decisions needed when selecting breeds and choosing a dog
- AE.SAC.80.04 Discuss the housing and equipment needs of dogs
- AE.SAC.80.05 Discuss the proper nutrition and methods of feeding dogs
- AE.SAC.80.06 Develop an understanding of practices used in the health care of dogs
- AE.SAC.80.07 Discuss reproduction and pregnancy in dogs
- AE.SAC.80.08 Identify various diseases and explain treatment methods.
- AE.SAC.80.09 Demonstrate practices used in grooming dogs
- AE.SAC.80.10 Discuss methods of training dogs and the importance of exercise

AE.SAC.90 Acquire and apply knowledge and skills when working with cats

- AE.SAC.90.01 Identify the major groups and breeds of cats
- AE.SAC.90.02 Identify decisions needed when selecting breeds and choosing a cat
- AE.SAC.90.03 Discuss the housing and equipment needs of cats
- AE.SAC.90.04 Discuss the proper nutrition and methods of feeding cats
- AE.SAC.90.05 Discuss the housing and equipment needs of cats
- AE.SAC.90.06 Develop an understanding of practices used in the health care of cats
- AE.SAC.90.07 Discuss reproduction and pregnancy in cats
- AE.SAC.90.08 Identify various diseases and explain treatment methods
- AE.SAC.90.09 Demonstrate practices used in grooming cats
- AE.SAC.90.10 Discuss methods of training cats and importance of exercise

AE.SAC.100 Acquire and apply knowledge and skills when working with rabbits

- AE.SAC.100.01 Identifying the five weight categories of rabbits
- AE.SAC.100.02 Identify breeds of rabbits
- AE.SAC.100.03 Discuss uses of rabbits
- AE.SAC.100.04 Identify decisions needed when selecting breeds and choosing a rabbit
- AE.SAC.100.05 Discuss the housing and equipment needs of rabbits
- AE.SAC.100.05 Develop an understanding of the nutrient requirements of rabbits
- AE.SAC.100.06 Develop an understanding of practices used in the health care of rabbits
- AE.SAC.100.07 Discuss reproduction and pregnancy in rabbits
- AE.SAC.100.08 Identify various diseases and explain treatment methods

AE.SAC.110 Acquire and apply knowledge and skills when working with gerbils

- AE.SAC.110.01 Describe the characteristics of a gerbil
- AE.SAC.110.02 Describe how to pick up and handle a gerbil
- AE.SAC.110.03 Discuss the housing and equipment needs of gerbils
- AE.SAC.110.04 Develop an understanding of the nutrient requirements of gerbils
- AE.SAC.110.05 Develop an understanding of practices used in the health care of gerbils
- AE.SAC.110.06 Discuss reproduction and pregnancy in gerbils
- AE.SAC.110.07 Describe the common disease and ailments of gerbils

AE.SAC.120 Acquire and apply knowledge and skills when working with guinea pigs

- AE.SAC.120.01 List and describe the seven varieties of guinea pigs
- AE.SAC.120.02 Describe how to pick up and handle a guinea pig
- AE.SAC.120.03 Discuss the housing and equipment needs of guinea pigs
- AE.SAC.120.04 Discuss the nutrient requirements of guinea pigs
- AE.SAC.120.05 List practices for maintaining the good health of guinea pigs
- AE.SAC.120.06 Discuss reproduction and pregnancy in guinea pigs
- AE.SAC.120.07 Describe the common diseases and ailments of the guinea pig

AE.SAC.130 Acquire and apply knowledge and skills when working with chinchillas

- AE.SAC.130.01 Discuss the history of the chinchilla
- AE.SAC.130.02 Describe the major color groups of chinchillas
- AE.SAC.130.03 Describe the two species of chinchillas
- AE.SAC.130.04 Describe the methods of handling a chinchilla
- AE.SAC.130.05 Discuss the housing and equipment needs of chinchillas
- AE.SAC.130.06 Discuss the nutrient requirements of chinchillas
- AE.SAC.130.07 List practices for maintaining the good health of chinchillas
- AE.SAC.130.08 Describe the common diseases and ailments of the chinchilla
- AE.SAC.130.09 Discuss reproduction and pregnancy in chinchillas
- AE.SAC.130.10 Demonstrate practices used in grooming of chinchillas

AE.SAC.140 Acquire and apply knowledge and skills when working with ferrets

- AE.SAC.140.01 List and describe the various color patterns of ferrets
- AE.SAC.140.02 Describe the correct methods of handling a ferret
- AE.SAC.140.03 Discuss the housing and equipment needs of ferrets
- AE.SAC.140.04 Discuss the nutrient requirements of ferrets
- AE.SAC.140.05 List practices for maintaining the good health of ferrets
- AE.SAC.140.06 Describe the common diseases and ailments of ferrets
- AE.SAC.140.07 Discuss reproduction in ferrets
- AE.SAC.140.08 Demonstrate practices used in grooming ferrets

AE.SAC.150 Acquire and apply knowledge and skills when working with amphibians

- AE.SAC.150.01 Describe the characteristics of amphibians
- AE.SAC.150.02 Compare the 3 orders of amphibians
- AE.SAC.150.03 Describe and construct an aquatic, semi-aquatic, and land habitat aquarium

- AE.SAC.150.04 Identify nutrient requirements and feeding methods of amphibians
- AE.SAC.150.05 Discuss proper handling methods of amphibians
- AE.SAC.150.06 Identify diseases and ailments of amphibians
- AE.SAC.150.07 Discuss methods of reproduction of amphibians

AE.SAC.160 Acquire and apply knowledge and skills when working with birds.

- AE.SAC.160.01 Identify the major orders of birds
- AE.SAC.160.02 Discuss the proper housing and equipment needs of birds
- AE.SAC.160.03 Determine proper nutrient requirements of birds
- AE.SAC.160.04 Discuss proper handling and training methods of birds
- AE.SAC.160.05 Identifying various diseases and ailments associated with birds
- AE.SAC.160.06 Discuss reproduction and breeding of birds

AE.SAC.170 Acquire and apply knowledge and skills when working with fish

- AE.SAC.170.01 Identify and classify the major classes of fish
- AE.SAC.170.02 Discuss various types of aquariums and equipment
- AE.SAC.170.03 Describe the feeding habits and nutrient requirements of fish
- AE.SAC.170.04 Identify common diseases and ailment of fish
- AE.SAC.170.05 Discuss various methods of reproduction of fish

AE.SAC.180 Acquire and apply knowledge and skills when working with reptiles

- AE.SAC.180.01 Describe the characteristics of reptiles
- AE.SAC.180.02 Compare the 3 orders of reptiles
- AE.SAC.180.03 Identify nutrient requirements and feeding methods of reptiles
- AE.SAC.180.04 Discuss the proper handling methods of reptiles
- AE.SAC.180.05 Identify diseases and ailments of reptiles
- AE.SAC.180.06 Discuss the methods of reproduction of reptiles
- AE.SAC.180.07 Describe and identify housing and equipment needs of reptiles