

NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

Agricultural Education

Grade: Grade 9 - 12

Course: Equine Science II

NCCTE.2016.AA32 - Equine Science II

NCCTE.2016.AA32.01.00 - Understand leadership qualities involved in successful employment.

NCCTE.2016.AA32.01.01 - Understand leadership qualities and career building techniques desired by the equine industry.

NCCTE.2016.AA32.01.02 - Understand parliamentary procedure.

NCCTE.2016.AA32.02.00 - Understand the Supervised Agricultural Experience component of the equine science program.

NCCTE.2016.AA32.02.01 - Understand SAE components and application to work-based learning.

NCCTE.2016.AA32.02.02 - Understand a financial statement.

NCCTE.2016.AA32.03.00 - Understand the physiology and functions of equine body systems.

NCCTE.2016.AA32.03.01 - Understand body surfaces, systems, and how they function.

NCCTE.2016.AA32.03.02 - Understand how four functional muscle groups affect equine movement and different gaits of equine.

NCCTE.2016.AA32.04.00 - Apply principles for selecting equine for the herd.

NCCTE.2016.AA32.04.01 - Understand how structure, body dimensions, and other factors influence usefulness, vigor, and longevity of equine.

NCCTE.2016.AA32.04.02 - Apply principles to determine the age and weight of equine in relation to their usefulness, vigor, and longevity of equine.

NCCTE.2016.AA32.05.00 - Apply principles of nutrition and feed management.

NCCTE.2016.AA32.05.01 - Understand the major nutrient requirements of equine and the factors that affect them.

NCCTE.2016.AA32.05.02 - Understand the classes of feed for equine including forage, concentrates, additives, and supplements needed in the equine ration.

NCCTE.2016.AA32.05.03 - Apply principles to formulate a balanced ration for equine.

NCCTE.2016.AA32.06.00 - Apply principles of facility management

NCCTE.2016.AA32.06.01 - Understand the functions of equine housing and paddocks including fencing needs.

NCCTE.2016.AA32.06.02 - Apply principles of bedding and stall maintenance and waste management.

NCCTE.2016.AA32.07.00 - Apply principles of herd health management.

NCCTE.2016.AA32.07.01 - Apply techniques to test vital life signs and administer first aid in equine management.

NCCTE.2016.AA32.07.02 - Apply principles of dental and hoof care in equine management.

NCCTE.2016.AA32.07.03 - Apply principles of health management in diagnosing and treating internal parasites, external parasites, and diseases.



NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

NCCTE.2016.AA32.08.00 - Understand principles of equine reproduction and genetics.

NCCTE.2016.AA32.08.01 - Understand the principles of equine reproduction management in relation to the mare, stallion, and foal.

NCCTE.2016.AA32.08.02 - Understand basic equine breeding techniques and the advantages of each.

NCCTE.2016.AA32.08.03 - Understand the role of genetics in determining age, coat color, and type of equine and how traits are transferred from one equine to another.

NCCTE.2016.AA32.09.00 - Apply principles of equine handling safety and training.

NCCTE.2016.AA32.09.01 - Apply principles to safely catch, halter, lead, tie, and restrain equine.

NCCTE.2016.AA32.09.02 - Apply principles to train foals, yearlings, and two-year olds.

NCCTE.2016.AA32.10.00 - Apply principles of equitation and showmanship.

NCCTE.2016.AA32.10.01 - Apply principles of bridling and saddling equine.

NCCTE.2016.AA32.10.02 - Apply principles to safely mount and ride equine for the designated gait.

NCCTE.2016.AA32.10.03 - Apply principles in judging halter and performance classes of equine, considering factors such as lameness, blemishes, conformation and other factors.

