Nebraska CTE

Veterinary Science (2021-)

Assess animal production methods for use in animal systems based upon their effectiveness and impacts. AFNR.HS.29.1	a	**Summarize the challenges involved in working with animals and identify resources available to overcome those challenges (e.g., tools, technology, equipment, facilities, animal behavior signals).** AFNR.HS.29.1.A
	b	**Investigate animal husbandry practices and their impact on animal welfare.** AFNR.HS.29.1.B
	c	**Compare the efficacy of different production methods and defend the use of selected methods using data and evidence.** AFNR.HS.29.1.C
Apply principles of comparative anatomy and physiology to uses within various animal systems. AFNR.HS.29.2	a	**Compare and contrast animal cells, tissues, organs, body system types, and functions among species.** AFNR.HS.29.2.A
	b	**Correlate the functions of animal cell structures to animal systems (e.g., growth, development, health, reproduction).** AFNR.HS.29.2.B
	c	**Summarize the effect of anatomical and physiological disorders on animal health.** AFNR.HS.29.2.C
	d	**Apply knowledge of anatomical and physiological characteristics of animals to make production, care, and management decisions.** AFNR.HS.29.2.D
Investigate methods of preventing and treating animal diseases, parasites, and other disorders to ensure animal welfare. AFNR.HS.29.3	a	**Describe and demonstrate the proper use and function of specific tools and technology related to animal health management.** AFNR.HS.29.3.A
	b	**Summarize the characteristics and symptoms of disorders that affect animals (e.g., wounds, common diseases, parasites, and physiological disorders) and example treatments.** AFNR.HS.29.3.B
	c	**Explain the clinical significance of common veterinary methods and treatment (e.g., aseptic techniques, antibiotic use, wound management).** AFNR.HS.29.3.C
	d	**Identify surgical and non-surgical veterinary treatments and procedures to meet specific animal health care objectives.** AFNR.HS.29.3.D
Analyze laws pertaining to animal sy[illegible]	a	**Summarize the structure of laws governing animal systems (e.g., animal production, harvesting, international trade policies).** AFNR.HS.29.4.A
		[illegible]nalyze animal facilities to determine if government regulations and accepted [illegible]afety standards have been met. AFNR.HS.29.4.B

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	c Evaluate the impact of laws pertaining to animal agriculture (e.g., pros, cons, effect on individuals, effect on businesses) and assess the compliance of production practices with established regulations. AFNR.HS.29.4.C
Analyze workplace safety laws and types of hazards and evaluate methods for handling and restraining large, small, and exotic animals. AFNR.HS.29.5	**a** Identify commonly used veterinary terminology, convert commonly used weights and measures, and apply the terminology to routine veterinary practices. AFNR.HS.29.5.A
	b Analyze the health risk of different zoonotic diseases to humans and identify prevention methods. AFNR.HS.29.5.B
	c Evaluate preventative measures for controlling and limiting the spread of diseases, parasites, and disorders among animals. AFNR.HS.29.5.C
	d Evaluate various forms of handling and restraining large, small, and exotic animals. AFNR.HS.29.5.D