Animal Science I - Course Proficiency Evaluation

To demonstrate proficiency in this course, each student must successfully complete all of the listed items in any 8 of the following 12 objectives. Evaluation of each student will be determined by the local course instructor, using the following list of identified proofs of learning, and the student will either earn a "Met" or "Not Met" for the selected objectives.

Student Name: _____

Semester/Year: _____

Class Period: _____

Teacher Name: _____

Met	Not Met	PROOFS OF LEARNING
		1. CREDENTIAL / CERTIFICATION
		a. Successfully earn one of the NCDPI approved credentials or certifications for the Animal Science I course. (Beef Quality Assurance; Youth Quality Care of Animals)
		2. PUBLIC SPEAKING (ES 1.00)
		a. Communicate thoughts, ideas, and action plans with clarity, when using written, verbal, and/or visual methods.
		b. Interact with others by being an active listener and by speaking clearly and with purpose.
		c. Appropriately consider the audience when planning for a presentation and prepare accordingly to ensure the desired outcome.
		3. LEADERSHIP / FFA (ES 1.00)
		a. Consistently act in ways that align to personal and community-held ideals and principles, while employing strategies to positively influence others.
		b. Use a variety of means to positively impact the direction and actions of a team or organization.
		c. Demonstrate the ability to manage a meeting to accomplish a goal or objective.
		4. WORK BASED LEARNING / SAE / CAREER EXPLORATION (ES 2.00)
		a. Students understand their own career interests, goals, and requirements.
		b. Develop perspective regarding the employability skills, personal financial literacy, workplace safety, and understand more about different areas of agricultural literacy.
		5. ANIMAL BREEDS & TERMS (ES 3.00)
		a. Identify major livestock species by common and scientific names, and by breed.
		b. Demonstrate an understanding of animal nomenclature as determined by species, maturity, and sex.

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		6. ANIMAL EVALUATION & SELECTION (ES 4.00)
		a. Demonstrate ability to evaluate and select animals to maximize performance based on anatomical and physiological characteristics that affect health, growth, and reproduction.
		7. ANIMAL GRADING AND QUALITY STANDARDS (ES 4.00)
		a. Demonstrate ability to classify cattle and swine into appropriate quality groups through the use of established United States grading criteria and standards.
		b. Demonstrate understanding of poultry quality factors by appropriately identifying ready-to-cook poultry carcasses into correct USDA grades.
		8. IMPACT OF ANIMAL AGRICULTURE (ES 5.00)
		a. Articulate the current trends and issues related to animal agriculture.
		b. Demonstrate a thorough understanding of production methods, practices, and processing of products as related to beef, dairy, poultry, and swine.
		9. ANIMAL MANAGEMENT (ES 6.00)
		a. Diagnose illnesses and disorders of animals based on symptoms and problems caused by diseases, parasites and physiological disorders.
		b. Demonstrate proper methods of animal handling and preventative maintenance procedures based on animal behavior and facility availability.
		10. ANIMAL FEEDS & DIGESTION (ES 7.00)
		a. Identify and formulate animal feeds based on nutritional requirements, using feed ingredients for maximum nutrition and optimal economic production.
		b. Demonstrate understanding of methods used to balance rations for animals.
		c. Explain mechanical and chemical digestive process of ruminant and monogastric systems; including equine and poultry.
		11. ANIMAL REPRODUCTION (ES 8.00)
		a. Understand reproductive management terminology, parts and functions of the reproductive systems of livestock and poultry, and how age, size, maturity level, and health status affect the reproductive efficiency of male and female animals.
		12. ANIMAL GENETICS (ES 8.00)
		a. Identify parts and functions of animal cells, and demonstrate an understanding of the processes of mitosis and meiosis.
		b. Compare and contrast the differences in dominant and recessive genes, and demonstrate an understanding of heritability comparisons for important livestock traits.

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