

School District of Loyal

Animal Science

Grade: 9-12

Student Learning Targets



Class: Animal Science

Students who demonstrate understanding can:

WI State Standards	Standard:	Student Learning Targets:
AFNR.AS.1	Students will examine components, applications, historical development, global implications, future trends, and career opportunities of animal systems.	<p>Students will be able to:</p> <ul style="list-style-type: none"> Utilize proper animal terminology in discussion Discuss the domestication of livestock animals Identify at least five careers within the Animal System Pathway
AFNR.AS.2	Students will classify, evaluate, select and manage animals based on anatomical and physiological characteristics.	<p>Students will be able to:</p> <ul style="list-style-type: none"> Compare different types of digestive tracts and discuss their functions Create a 3D model of a ruminant digestive system Evaluate breeds for each type of livestock species
AFNR.AS.3	Students will apply principles and practices of effective animal health care.	<p>Students will be able to:</p> <ul style="list-style-type: none"> Describe the proper usage of medications and withdrawal periods Identify common diseases that affect livestock species
AFNR.AS.4	Students will design and provide proper animal nutrition to achieve desired outcomes for performance, development, reproduction and/or economic production.	<p>Students will be able to:</p> <ul style="list-style-type: none"> Evaluate feedstuffs and their appropriateness for an animal Balance a ration for protein needs
AFNR.AS.5	Students will apply principles of animal reproduction to achieve desired outcomes.	<p>Students will be able to:</p> <ul style="list-style-type: none"> Label the reproductive anatomy of male and female animals Model the steps in artificial insemination of dairy cattle
AFNR.AS.6	Students will prepare and implement animal handling procedures for	<p>Students will be able to:</p> <ul style="list-style-type: none"> Debate the usage of animals as

	safety of animals, producers and consumers of animal products.	<p>livestock</p> <ul style="list-style-type: none"> ● Discuss the difference between animal welfare and animal rights ● Discuss types of identification systems for livestock and their benefits/disadvantages ● Define traceability and discuss its importance ● Discuss proper animal handling techniques
AFNR.AS.7	Students will select animal facilities and equipment providing safe and efficient production, housing, and handling of animals.	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Discuss housing types for each species of livestock animal ● Describe management techniques to ensure high standards of animal welfare
AFNR.AS.8	Students will analyze environmental factors associated with animal production.	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Discuss routes of management for manure