Animal Science

RCAS Policies/Procedures:

Students will be required to follow all RCAS policies and procedures. To view the RCAS High School Student Handbook, click handbook.

Course Description:

This course involves the study of animal anatomy, phys, behavior, nutrition, selection, and marketing. Students will consider the perceptions and preferences of individuals within local, regional, and world markets. Students will learn the characteristics of animal science and work on major projects and problems like those that vets, zoologists, livestock producers, and industry personnel face in their respective careers.

Textbook:

Principles of Agricultural Science-Animal

Modern Livestock & Poultry Production

Required Resources:

N/A

"Limited Choice" Resources: (students will be asked to choose at least one title from this list)

None

Student Choice:

Will student be asked to choose additional reading material from the classroom or school library?

No

Essential Questions:

Can I analyze historic and current trends impacting the animal systems industry?

Can I utilize best practice protocols for husbandry and welfare based upon animal behaviors?

Can I design and provide proper animal nutrition to achieve desired outcomes for performance, development?

reproduction, and/or economic production?

Can I apply principles of animal reproduction given desired outcomes for performance, development, and/or

economic production?

Can I evaluate environmental factors affecting animal performance and implement procedures for enhancing

performance and animal health?

Can I classify, evaluate, and select animals based on anatomical and physiological characteristics?

Can I apply principles of effective animal health care?

Essential Learning Intentions:

1. Analyze historic and current trends impacting the animal systems industry.

2. Utilize best practice protocols for husbandry and welfare based upon animal behaviors.

3. Design and provide proper animal nutrition to achieve desired outcomes for performance, development,

reproduction, and/or economic production.

4. Apply principles of animal reproduction given desired outcomes for performance, development, and/or

economic production.

5. Evaluate environmental factors affecting animal performance and implement procedures for enhancing

performance and animal health.

6. Classify, evaluate, and select animals based on anatomical and physiological characteristics.

7. Apply principles of effective animal health care.