



Animal Science

Instructor: Roger Christianson

RM 303

209-632-9911 ex 4255

Email: rchristianson@dusd.k12.ca.us

Student Learning Outcomes

This course is designed for students interested in the science and management of animals, covering anatomy, physiology, nutrition, health, genetics, and industry practices. Through hands-on experiences, technology, and projects, students will develop technical knowledge, critical thinking, and career readiness in animal science and agriculture.

By the end of this course, students will be able to:

- Explain the structure and function of major animal systems and how they relate to animal health and production.
- Apply principles of animal nutrition, reproduction, and genetics to improve livestock management.
- Demonstrate proper animal handling, safety, and welfare practices.
- Analyze common diseases and preventive health measures in animal agriculture.
- Use technology and record-keeping tools to manage animal production data.
- Evaluate the economic and environmental impacts of animal production systems.
- Communicate effectively through oral presentations, written reports, and digital media on animal science topics.

- Engage in leadership and teamwork through FFA activities and community service related to animal science.

Electronics

DHS/DMS rules apply for cell phone use. Phones must be silenced during class unless used for instructional purposes. The Agriculture Department and Instructor are not responsible for lost or damaged electronics. Earbuds, Airpods, and headphones are prohibited except for OSHA-approved hearing protection in the shop due to safety concerns.

Classroom and Shop Behavior

All DHS rules apply. Unsafe behavior or horseplay in the shop WILL NOT BE TOLERATED and may result in disciplinary action at the discretion of the instructor or principal.

Academic Dishonesty

Students must do their own work. Academic dishonesty will be addressed by the instructor and/or principal according to DHS policy.

Video Permissions

Videos rated PG-13 or below relevant to animal science may be shown for educational purposes. Students will be asked to discuss or answer questions as part of their grade. By signing, parents grant permission for video viewing.

Photo and Social Media Clearance

Photos taken during class, labs, and FFA events may be used for publicity and promotion on bulletin boards, newsletters, websites, or social media. Signing grants permission for photo use related to the Agriculture Department and FFA.

Grading

Grades are based on the following:

- **60% Classwork:** Labs, assignments, projects, quizzes, and tests related to animal science standards.
- **20% FFA Participation:** Engagement in FFA activities, events, and leadership roles.
- **20% SAE (Supervised Agricultural Experience):** Hands-on project or work experience related to animal science.

Grading Scale (5-point model):

- 4: Exemplary Mastery of Standard
- 3: Proficient Mastery of Standard
- 2: Progressing Toward Standard
- 1: Approaching Standard
- 0: No Evidence Provided

FFA Participation (20%)

Students will learn citizenship, collaboration, and leadership through FFA involvement. Points are earned by attending and contributing to FFA events.

Score	Description	Event Attendance Requirement
4	Exemplary collaboration and leadership	At least 20 points of FFA events
3	Proficient collaboration and teamwork	At least 15 points of FFA events
2	Developing collaboration skills	At least 10 points of FFA events
1	Beginning to understand collaboration	At least 5 points of FFA events

SAE Credit (20%)

Every student must have a Supervised Agricultural Experience (SAE).

- **First-year students:** Foundational SAE with at least 10 documented hours.
- **Second-year and above:** Immersion SAE with at least 50 documented hours.

Examples include:

- Caring for livestock
- Raising animals for fair
- Ag mechanics projects
- Landscaping and farm work

All SAE documentation is maintained through the AET system. Contact the instructor if unsure whether your project qualifies.

I have read and understand the terms and conditions of this course, and agree to abide by them.

Student signature. _____ Date: _____

Parent signature. _____ Date: _____