

LYON COUNTY SCHOOL DISTRICT

*Staff Travel Report
to
School Board of Trustees*

Your recent request to travel has been approved. Within two weeks of the date of the conference, the following report is due in the office of the Deputy Superintendent.

Please Download & **TYPE** the following information.

Staff Member:	Sydney Botts	School:	Fernley High
Conference:	Curriculum for Agriculture Science Education, Animal Science	Staff Assignment	Attendee
Do not use acronyms			
Location of Conference:	Bozeman, Montana	Dates Attended:	7/6-7/11, 2025

General Overview: Do not use acronyms

The CASE Animal Science Curriculum Training provided an intensive and highly valuable professional development experience focused on implementing the Principles of Agricultural Science—Animal course. This foundation-level course engages students in hands-on laboratories and activities designed to explore the world of animal agriculture through a scientific and inquiry-based lens. Key concepts covered during the training aligned directly with the curriculum's focus areas: animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Additionally, we explored how to help students evaluate animal systems while considering consumer perceptions and market preferences at local, regional, and global levels. This training will have a lasting and positive impact on my classroom climate and student learning. I now have the tools and confidence to deliver a rigorous, standards-based curriculum that fosters critical thinking, collaboration, and engagement. By integrating CASE Animal Science into our program, I am ensuring that students receive high-quality instruction that prepares them for post-secondary education and careers in agriculture, animal science, and beyond.

How will this impact student learning in a positive way?

During the training, I was immersed in the structure of the CASE curriculum, which emphasizes student-centered learning through real-world applications. This included strategies for guiding students as they develop a comprehensive Producers Management Guide for the animal species of their choice—a cornerstone project of the course. The training also emphasized the development of core academic and career-readiness skills, including problem-solving, documentation of scientific processes, and effective communication. These practices are designed to empower students not only in agriculture, but across interdisciplinary STEM fields. Attending the CASE Animal Science Curriculum Training will positively impact student learning in several key ways:

Engaging, Hands-On Instruction: Students will participate in labs and real-world activities that make complex animal science concepts more accessible and meaningful. This experiential learning deepens understanding and retention.

Skill Development: The curriculum emphasizes critical thinking, problem-solving, and scientific inquiry. Students will develop these essential skills by conducting investigations, documenting their findings, and presenting solutions—practices that mirror professional scientific and agricultural processes.

Standards-Based Curriculum: By implementing a nationally recognized and structured curriculum, students will receive high-quality instruction that aligns with state and national standards, ensuring academic rigor and consistency.

Career and College Readiness: The course helps prepare students for careers in agriculture and related fields by exposing them to industry-relevant content, terminology, and practices.

*How will I implement what I learned and how will I share
this information with my colleagues?*

I plan to implement what I learned from the CASE Animal Science Curriculum Training by fully integrating the Principles of Agricultural Science—Animal curriculum into my classroom instruction during the upcoming school year. This includes utilizing the provided lesson plans, labs, assessments, and the comprehensive Producer's Management Guide project to structure student learning around inquiry-based, hands-on experiences.

I will begin the year by establishing classroom routines that support scientific investigation and collaborative problem-solving. Each unit will be approached through the lens of real-world agricultural challenges, encouraging students to think critically and apply their knowledge in meaningful ways. Additionally, I will regularly assess student understanding through performance-based tasks and project documentation, as modeled during the training.

To share this information with my colleagues I will offer peer support and co-planning opportunities for any colleagues interested in integrating similar inquiry-based practices into their classrooms.

Other Comments:

I am truly grateful for the opportunity to attend the CASE Animal Science Curriculum Training. This experience has equipped me with valuable tools and instructional strategies that will significantly enhance the learning environment in my classroom—both in the coming school year and for years to follow. I am confident that the knowledge gained will contribute to a more engaging, rigorous, and meaningful experience for my students, and I deeply appreciate the support that made my participation possible.

Site Principal/Supervisor Approval

7.21.25

Date

Deputy Superintendent Approval

7.24.25 7/21/25

Date