

# THE PURSUIT INSTITUTE

## AGRICULTURE

### ANIMAL SCIENCE (LARGE ANIMALS)

This unique program is designed to support students facing challenges such as anxiety, depression, grief, and other mental health concerns. By engaging them in meaningful, hands-on learning experiences in farm, ranch, and equine settings, the program promotes healing, builds confidence, and helps students envision a brighter future. It may also be a great fit for those interested in animal-assisted therapy or therapeutic riding.

Program Host:



**BEN'S RANCH**

f o u n d a t i o n



YOUR PATH.  
YOUR CAREER.  
YOUR PURSUIT.

### YEAR ONE

Monday - Friday; 1:00 PM–3:00 PM

#### PRINCIPLES

**Principles of Agriculture**

1 Year, 2 Credits

#### CONCENTRATOR A

**Animal Science**

1 Year, 2 Credits

#### CONCENTRATOR B

**Advanced Life Science:  
Animal Science**

1 Year, 2 Credits

### YEAR TWO

Monday - Friday; 1:00 PM–3:00 PM

#### CAPSTONE

**Agriculture Research  
Capstone**

1 Year, 6 Credits

**STUDENTS WHO COMPLETE ANIMAL SCIENCE PATHWAY AT THEIR HOME HIGH SCHOOL CAN TAKE CAPSTONE ONLY**

# CURRICULUM

## Principles of Agriculture (7117)

Principles of Agriculture exposes students to the diversity of career options found within the agricultural industry and to other agribusiness concepts. Students will develop an understanding of the role of agriculture in the United States and globally. Topics covered in the course range from animals, plants, food, natural resources, ag power, structures and technology, and agribusiness.

## Animal Science (5008)

Animal Science provides students with an overview of the animal agriculture industry. Students participate in a variety of activities and laboratory work including real and simulated animal science experiences and projects. All areas that the students study may be applied to both large and small animals. Topics to be covered in the course include: history and trends in animal agriculture, laws and practices relating to animal agriculture, comparative anatomy and physiology of animals, biosecurity threats and interventions relating to animal and human safety, nutrition, reproduction, careers, leadership, and supervised agricultural experiences relating to animal agriculture.

## Advanced Life Science: Animals (5070)

Advanced Life Science: Animals provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture.

## Agricultural Research Capstone (7262)

The Agricultural Research Capstone includes extended laboratory, field, and literature investigations in one or more specialized agricultural science disciplines, such as animal, plant, food, natural resources, biotechnology, engineering, etc. Students enrolled in this course will apply scientific applications, concepts, principles, and design process to solve complex, real-world issues in agriculture. Students will become familiar with laboratory procedures used in an educational, research, or industrial setting. Students will complete an end-of-course project and presentation, such as a scientific research paper, agriscience fair project, or some other suitable presentation of their findings. This course can be used as a capstone experience for any agriculture pathway.

## Key Information:

This course meets in person at Koteewi Stable and Trails, operated by Ben's Ranch Foundation, located at 11949 Koteewi Dr., Noblesville, IN 46060. Classes are held Monday through Friday from 1:00 to 3:00 PM. Throughout the school year, students will also participate in off-site, hands-on learning experiences on select days.

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The Pursuit Institute (TPI) prepares Hamilton County students for a wide range of high-wage, high-skill, and in-demand careers. We provide robust Career and Technical Education Programs that ensure students have clear connections from the classroom to career. TPI programs position students to be successful in their future and contribute to their families, the community and local economy. Students have the opportunity to gain transferable skills, certifications, dual credit and to demonstrate learning in real-life settings, while meeting new demands in today's rapidly changing workplace for our employer partners. In partnership with schools, we create a talent pipeline of skilled and credentialed students.

***Please contact your counselor for more information or to enroll in the program.***

