

OPENING DOORS TO THE **FUTURE**



Business and Industry Endorsement *Animal Science CTE Pathway*

Grade	Language Arts	Math	Science	Social Studies	Required CTE Courses	Potential Certification Opportunities
9 th	English I	Algebra I	Biology	World History	*Principles of Agriculture, Food, and Natural Resources (1 Credit)	Certifications: Elanco Fundamentals of Animal Science Certification
10 th	English II	Geometry	Chemistry		* Small Animal Management (.5 Credit) <u>AND</u> * Equine Sci. (.5 Credit)	
11 th	English III	Approved 3 rd Year Math	Approved 3 rd Year Science	U.S. History	*Livestock Production (1 Credit)	
12 th	English IV OR Approved 4 th Year English	Approved 4 th Year Math	Approved 4 th Year Science	Government AND Economics	*Practicum in Agriculture, Food, and Natural Resources (2 Credits)	

Required Electives

***Business Information Management (1 Credit)**
Professional Communication (.5 Credit)
***Dollars and Sense (.5 Credit)**

Sample Career Opportunities	High School	On the Job Training	Certificate	Associate's Degree	Bachelor's Degree	Advanced College Degree	Average Annual Salary	Possible Majors
Veterinarian					X	X	\$93,496	*Pre-Veterinarian *Veterinary Technologist *Veterinary Technician *Zoology
Veterinary Technician	X		X	X			\$32,000	
Veterinary Assistant	X			X			\$24,000	
Zoologists and Wildlife Biologists				X	X	X	\$67,309	

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Principles of Agriculture, Food, and Natural Resources

TSDS PEIMS Code: 13000200 (PRINAFNR)

Grade Placement: 9–12

Credit: 1

GHS Section 4041

Available as a CTE Elective

Prerequisite: None.

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations.

Small Animal Management

TSDS PEIMS Code: 13000400 (SMANIMGT)

Grade Placement: 10–12

Credit: .5

GHS Section 4042

Available as a CTE Elective

Prerequisite: None.

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

Equine Science

TSDS PEIMS Code: 13000500 (EQUINSCI)

Grade Placement: 10–12

Credit: .5

GHS Section 4048

Available as a CTE Elective

Prerequisite: None.

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules.

Livestock Production

TSDS PEIMS Code: 13000300 (LIVEPROD)

Grade Placement: 10–12

Credit: 1

GHS Section 4045

Available as a CTE Elective

Prerequisite: None.

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Practicum in Agriculture, Food, and Natural Resources

TSDS PEIMS Code: 13002500 (First Time Taken) (PRACAFNR1)
13002510 (Second Time Taken) (PRACAFNR2)

Grade Placement: 11–12

Credit: 2

GHS Section 4027

Designated for Pathway Students

Prerequisite: None.

Recommended Prerequisite: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster.