Animal Science & Research

Two-Year Academy

Who We Are:

The Animal Science and Research Academy prepares students for a variety of career opportunities within the animal care industry and agricultural sciences. It also helps guide learners to postsecondary opportunities. Students learn through hands-on experiences from the animals in the classroom, offsite visits to local businesses, discussions and presentations.

What We Do:

- Students are provided with opportunities within FFA to grow and develop strong personal characteristics and build lasting relationships.
- Students will learn why preserving agriculture is so important for our future. Hands-on opportunities are provided with small animals, large animals, and exotics.

- Wichita State Tech dual credit is offered for 2nd year students.
- Students can earn Industry Certifications in OSHA 10 and YQCA (Youth for the Quality Care of Animals)

IPS — INDIVIDUAL PLAN OF STUDY

Electronic file located in Xello - "Course Planner"
Located at OPS Innovation Campus | X: @OlathePathways
Learn more: olatheschools.org/careerpathways

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Graduation Requirements	9th Grade	Credits	10th Grade	Credits	11th Grade	Credits	12th Grade	Credits	POTENTIAL CAREERS
English (x4 credits)	English 9 OR Honors English 9	1	English 10 OR Honors English 10	1	English 11 OR AP English Language	1	English 12 OR College Prep English OR AP English Literature	1	Veterinary Technician/ Assistant Veterinarian Registered Vet Animal Shelter Manager Kennel or Stable Manager Artificial Insemination (AI) Technician Laboratory Animal Caretaker Animal Health Inspector Livestock Geneticist Nutritionist Animal Scientist Livestock Producer Equine Rehabilitation Farm Manager Zoo Animal Specialist
Math (x3 credits)	Must take 1.0 math 9th gr year as recommended by facilitator & math teacher	1	Must take 1.0 math 10th gr year as recommended by facilitator & math teacher	1	Must take 1.0 math 11th gr year as recommended by facilitator & math teacher	1	Must take 1.0 math 12th gr year as recommended by facilitator & math teacher	1	
Science (x3 credits) (1 Life; 1 Physical; 1 Elective)	Biology OR Honors Biology	1	Chemistry OR Honors Chemistry	1	AP OR College Chemistry AP OR College Biology Physics OR AP/College Physics I/II AP Environmental Science	1	AP OR College Chemistry AP OR College Biology Physics OR AP/College Physics I/II AP Environmental Science	1	
Social Studies (x3 credits) (1 World; 1 US; 0.5 Govt; 0.5 elective)	World History OR Honors World History	1	Highly recommended: World Geography OR Honors World Geography	.5	US History OR AP US History	1	US Govt OR AP US Govt	.5	
Communications (0.5 credit)	Student choice - any year(s) (.5)								
Financial Literacy: (0.5 credit)			Financial Literacy - can be taken any year grades 10-12 (.5)						
Fine/Performing Arts (1 credit)	Student choice - any year(s) (1.0)								
Health: (0.5 credit)	Health Education - can be taken in grade 9 or 10 Optional: Health may be taken online through eAcademy if space is needed in student's schedule.			.5					
Language Applications: (1.0 credit)	Using the PPG - Identify courses that fulfill this requirement (1.0)								
Life Studies: (0.5 credit)	Using the PPG - Identify courses that fulfill this requirement (.5)								
Physical Education (0.5 credit)	PE Concepts OR Cheer/Dance OR Strength & Conditioning Optional: P.E. Concepts may be taken online through eAcademy if space is needed in student's schedule. This can be scheduled during the summer - grades 10-12 only. Other online classes are available at eacademy.olatheschools.com								Y 13 / Y 14
STEM (1.0 credit)	Students fulfill STEM graduation requirement through Two-Year Academy Courses (1.0)								
Individual Focus (5.5 credits) **Two-Year Academy Coursework**					Animal Science Advanced Animal Science Ag Leadership & Communications	3	Small Animal Care Veterinary Health Sciences Animal Science Internship OR Animal Science Research	3	
Total Credits: (24 total needed for graduation)	9th grade total:	7	10th grade total:	7	11th grade total:	7	12th grade total:	3+	
NOTE: Credits beyond requirements in any category will fall under individual focus.									

Graduating Class of 2028 and Beyond