

CTE Course Description and Standards Crosswalk

Course Information

Course Name	Companion Animal Science
Course Number	81040
Number of High School Credits	.5
Sequence or CTEPS (You must first have the Sequence or CTEPS entered into the EED-CTE system.)	Animal Science
Date of district Course Revision	9/2013

Career & Technical Student Organization (CTSO)

CTSO embedded in this sequence	FFA
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Occupational Standards

Source of Occupational Standards	National Agriculture, Food and Natural Recourses
Names/Numbers of Occupational Standards	Animal Science (AS)

Registration Information

Course Description (brief paragraph – as shown in your student handbook or course list)	Companion Animal Science explores the relationship between pets and their owners and working animals and their roles. The class covers pet care including health, maintenance, and disease prevention. Students who want to become veterinarians, vet technicians, animal trainers or work in an animal care or boarding facility would be interested in this class. Recommended course: Introduction to Animal Science.
Instructional Topic Headings (please separate each heading by a semi-colon)	History, species and breeds; Safe animal handling; Benefits and costs of companion animals; Anatomy and physiology; Genetics; Reproduction; Nutrition; Health Management; Careers; Career Technical Organizations

Summative Assessments and Standards

Technical Skills Assessment (TSA)	N
Course addresses:	
New Alaska ELA and Math Standards	Y
Alaska Cultural Standards	Y
All Aspects of Industry (AAI)	Y
Core Technical Standards	Y
Employability Standards	Y

Employability Standards

Source of Employability Standards	Alaska Employability Standards
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Tech Prep

Current Tech Prep Articulation Agreement? (Y/N)	No
Date of Current Agreement	
Postsecondary Institution Name	
Postsecondary Course Name	
Postsecondary Course Number	

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# of Postsecondary Credits	
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Additional CTE Course Information

Author	
Course developed by	Don Berberich
Course adapted from	Companion Animal
Date of previous course revision	May 2006
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	N

Standards Alignment

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standard	Common Technical Core Standards	New Alaska ENG/LA Standards	New Alaska Math Standards	Alaska Cultural Standards	Employability/ Career Readiness Standards	All Aspects of Industry/ Systems	Assessment
Understand the evolution of selected companion animals, and the influence that pets and people have had on each other through historical time.	AS.01	AG-ANI.1 AG.1	RI.11-12.10 W.9-10.1.a-b WHST.9-10.2.a-f	S-IC.6 S-MD.6&7	A1 E2	A2 A5	Community	Prepared Public Speaking Career Development Event FFA
Exhibit safe behavior around animals and animal equipment.	AS.06.01 AS.06.02	AG 3		S-MD.6&7	A1 E2	A2 A5 A6	Health/Safety	AFNR
Compare the benefits and costs of companion animals.	AS.01 AS.01	AG-ANI.7	W.9-10.8	N-Q.1 N-CN.2 A-SSE.4	A4 A5 B3 E2	A2 A5	Community Technical Skills Finance	Career Development Event-FFA
Be familiar with the anatomy of selected species and explain how the structure relates to the function.	AS.02	AG-ANI.6	SL.11-12.4 SL.11-12.5 SL.11-12.6	S-IC.6	E2	A2	Technical Skills	Career Development Event-FFA

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			RST.9-10.2					
Predict phenotypic probabilities of specific breeding, using an understanding of molecular genetics.	AS.05.01 AS.05.02 AS.05.03	AG-ANI.4	RST.11-12.9	S-ID.4, S-ID.7, S-ID.9, S.IC.1, S-IC.4, S-IC.6, S-CP.2, S-CP.9, S-MD.6	E2	A2	Technical Skills	Career Development Event-FFA
Demonstrate a practical understanding of selected species reproductive processes, and the practices that coincide with their physiology.	AS.05.01 AS.05.02 AS.05.03	AG-ANI.4 AG-ANI.6	RST.9-10.2 RST.11-12.5	S-IC.4, S-IC.6, S-CP.2, S-CP.9, S-MD.6	E2	A2	Technical Skills	Career Development Event-FFA
Explain the interaction of a nutrient with the animal, including the composition of the feed, ingestion, liberation of energy, elimination of wastes, and all the synthesis for maintenance, growth and reproduction. Formulate a daily ration.	AS.04.01 AS.04.02	AG-ANI.3 AG-ANI.7 AG-ANI.5	RST.11-12.9 RST.11-12.10 F.LE.3 F.LE.5	N-Q.1 A-SSE.4 A-CED.1 A-CED.4 S-IC.6	E2	A2	Technical Skills	Career Development Event-FFA
Identify environmental factors that affect an animal's performance, and develop sound health and other management practices. Design an animal care facility.	AS.01.01 AS.03.01 AS.03.02 AS.04.01 AS.04.02 AS.07.01 AS.07.02	AG-ANI.2 AG-ANI.3 AG-ANI.5 AG-ANI.7	W.11-12.7 W.9-10.2.a-f SL.11-12.4 SL.11-12.5 SL.11-12.6	N-Q.1 N-CN.2 A-SSE.4	E2	A2 A5	Management Technical Skills	Career Development Event-FFA
Explore career opportunities in companion animal	CS.01.03	CRP 10, AG5	RI.11-12.7	S-IC.6 S-MD.6&7		A2, A3 B1, B2	Community	Job Interview

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science.	CS.01.06					B3, B4 B5		Career Development Event-FFA
Participate in Career Technical Student Organization (FFA)	CS.01.04 CS.01.06	CRP 10 AG4	SL.11-12.4 SL.11-12.5 SL.11-12.6	S-MD.6&7		A2 A3	All	FFA Supervised Agricultural Experience Project, 4-H record book

Instructional Resources

List the major instructional resources used for this course: (websites, textbooks, essential equipment, reference materials, supplies)

FFA: www.FFA.org

Small Animal Care and Management, Dean Warren, 2nd Edition