

CTE Course Description and Standards Crosswalk

Course Information

Course Name	Introduction to Agriculture & Natural Resources
Course Number	81070
Number of High School Credits	.5
Sequence or CTEPS (You must first have the Sequence or CTEPS entered into the EED-CTE system.)	Horticulture Animal Science
Date of district Course Revision	October 2014

Career & Technical Student Organization (CTSO)

CTSO embedded in this sequence	FFA
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Occupational Standards

Source of Occupational Standards	National FFA Foundation,
Names/Numbers of Occupational Standards	FFA: Natural Resources (NRS), Plant Systems (PS), Cluster Skills (CS)

Registration Information

Course Description (brief paragraph – as shown in your student handbook or course list)	Introduction to Agriculture and Natural Resources provides an introduction to the areas of forestry, wildlife, land management, marine science, aquaculture, production agriculture and mineral extraction. Students are also introduced to careers as foresters, soil and water managers, environmental scientists, and fish and wildlife managers.
Instructional Topic Headings (please separate each heading by a semi-colon)	Local, Regional, and Global Agricultural and Natural Resources; Managing Forests, Wildlife and Fisheries; Outdoor Recreation Planning; Safety Practices; Tools, Equipment, and Technology; Careers in Agricultural and Natural Resource Management

Summative Assessments and Standards

Technical Skills Assessment (TSA)	No
Course addresses:	
New Alaska ELA and Math Standards	Yes
Alaska Cultural Standards	Yes
All Aspects of Industry (AAI)	Yes
Core Technical Standards	Yes
Employability Standards	Yes

Employability Standards

Source of Employability Standards	Alaska Employability Standards
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Tech Prep

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

Additional CTE Course Information

Author	
Course developed by	Don Berberich
Course adapted from	
Date of previous course revision	May 2009
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	No

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
Locate and identify local, regional and global agriculture and natural resources.	PS.01 NRS.01	AG.2	R.11-12.1 R.11-12.3	S-IC.6 S-MD.6&7	A1, A5, A7, B2, B4	A2, A5	Planning Community	Natural Resources Career Development Event- FFA
Apply principles of forest, wildlife, and fisheries management.	NRS.01.0 2	AG-ANI.7 AG-NR.1 AG-PL.2 AG-PST.1 AG-PST.4	R.11-12.1 R.11-12.4	N-Q.1 N-Q.2	A1, A4, B2, B3, B4	A2, A5	Technical Skills	Natural Resources Career Development Event- FFA
Acquire and model safety practices from personal, team and environmental	NRS.02.0 1	AG.3 AG-	R.11-12.1	S-MD.6&7	A1, A4, B2, B3,	A2, A5, A6	Health&Safety Planning	Natural Resources

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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
perspectives.	CS.06 CS.07	ENV.5			B4			Career Development Event- FFA
Identify and operate a variety of tools, equipment, and technology used in the fields of natural resources and agriculture.	CS.08 CS.09	AG- ENV.5 AG- PST.4-5	R.11-12.1 R.11-12.4	N-Q.1 N-Q.2 N-Q.3 G-SRT.8 G-MG.2	A1, A4, B2, B3, B4	A2, A5	Technology Technical Skills	Natural Resources Career Development Event- FFA
Perform practical laboratory and field skills and experiences.	CS.08 CS.09	AG.1 AG.2	W.9-10.4	N-CN.9 N-Q.1 N-Q.2 N-Q.3	A1, A4, B2, B3, B4	A2, A5	Technical Skills	Supervised Agricultural Experience Program Natural Resources Career Development Event- FFA
Demonstrate critical thinking, problem solving, and conflict resolution strategies for use of natural resources and related issues.	CS.02 CS.03 CS.04 CS.05	AG.5 CRP.8 CRP.12	RL.9-12.6 RL.9-12.1 RL.11-12.4 RI.11-	S-MD.6&7	A1, A4, B2, B3, B4	A1, A2, A3, A5	Work Habits Community	Natural Resources Career Development Event- FFA

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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
			12.6					
Work productively with a group or independently.	CS.03 CS.04 CS.05	AG.5 CRP.12	L.9-12.6	S-IC.6 S-MD.6&7	A1, A4, B2, B3, B4	A1, A2, A3, A4, A5, A7	Planning Work Habits	Natural Resources Career Development Event- FFA National Environthon competition.

Instructional Resources

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

Text: Introductory Horticulture – Edition 6 By: H.Edward Reiley, Carroll Shry
 Mapping our Natural Resources, William G. Camp, 5th Edition

FFA: www.FFA.org