

Conneaut School District — Agriculture Education Curriculum Map

Agriculture Education III Grades 11-12

90 minutes/15 weeks

	Content	Standards	Skills	Assessment
1 wk	iNTROpUOTIoN,5, Introduction to Agriculture	4.4 10.3	<ul style="list-style-type: none"> Local, national and global aspects of Agriculture Economic importance Shop procedures Safety practices 	<ul style="list-style-type: none"> Written tests and quizzes Safety demonstration Nocti
1 wk	FFA/SAE Careers options Supervised Agriculture Experience Parliamentary Procedure History/symbols Opportunities/Awards	4.4 5.2 6.5 31. .6	<ul style="list-style-type: none"> Job opportunities in Ag record keeping business meeting management historical data and importance personal goal setting leadership development 	<ul style="list-style-type: none"> Written tests and quizzes SAE books Career development events Award applications Nocti
3wks	Plants <ul style="list-style-type: none"> STRUCTURES/TAXONOMY PLANT PHYSIOLOGY PLANT REPRODUCTION GARDENING VEGETABLES GRAIN/OIL/SPECIALTY CROPS FORAGE AND PASTURES ORNAMENTALS 	3.3 4.4 4.5 4.6 4.9 13.1	<ul style="list-style-type: none"> identify plant parts describe plant processes understand asexual and sexual reproduction grow and identify plants understand agronomic crops in the world landscaping processes and products 	<ul style="list-style-type: none"> written tests and quizzes hands-on work/greenhouse NOCTI
2 wks	Animal <ul style="list-style-type: none"> Animal Anatomy Animal Health Genetics/Breeding/Reproduction Small animal care Dairy and Livestock Horse 	2.3 3.3 4.4 4.9	<ul style="list-style-type: none"> Describe animal parts understand animal nutrition/feeds describe healthy animals use punnett square list animal terms breeding techniques describe animal processes list and describe animal products 	<ul style="list-style-type: none"> written test and quizzes breeding charts nocti Career development events

	NATURAL RESOURCES							
	• Soils	2.2			• Understand soil properties	•	Written tests and quizzes	
3 wks	• Forestry	3.5			• List conservation methods	•	Worksheets	
	• Wildlife/Aquatics	4.1			• Identify soil horizons	•	NOCTI	
		4.4			• Identify forestry products	•	Career Development events	
		7.2			• Use and measurement of forestry products			
					• Identify prey/predator relationships			
					• Understand wildlife/aquatic relationships			
	FOOD SCIENCE							
	• Food Industry	4.4			• Food safety	•	Written tests and quizzes	
	• Food Science	4.9			• Food processing techniques	•	Career development events	
		11.3				•	NOCTI	
		13.1						
	COMMUNICATIONS							
	• Marketing	4.4			• National/global concepts	•	Written test and quizzes	
	• Agribusiness Planning	13.1			• Business model identification	•	Business project	
	• Entrepreneurship in AG	13.4			• Business finances	•	NOCTI	
		2.2						
		1.8						
	POWER MECHANICS/CONSTRUCTION							
	• Small gas engines	3.6			• Engine processes	•	Written test and quizzes	
	• Electricity	3.7			• Fuels and lubricants	•	Projects	
3 wks	• Plumbing	2.2			• AS/DC power	•	Building kproject	
	• Concrete and masonry	2.3			• Power generation			
	• Agriculture Structures	4.4			• Building techniques			
		4.8			• Calculating building materials			
		10.3			• Use of materials			
		13.1						
		13.4						

WOOD/METAL WORKING								
	• Hand tools		3.6	•	Tool id	•	Written tests and quizzes	
	• Power tools		3.7	•	Proper use of tools	•	Practicum tests	
	• Project construction		2.2	•	Weld with various techniques	•	Projects	
3 wks	• Welding-ARC		2.3	•	Identify welding process	•	Career Development	
	• Welding-MIG		4.4			•	Events	
	• Welding-GAS		4.8				NOCTI	
			10.3					
			13.1					
			13.4					