

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	Local, national and global aspects of Agriculture	Written tests and quizzes
1wk.	Shop orientation and Procedures	10.3	Economic importance Shop procedures Safety practices	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	Job opportunities in Ag record keeping business meeting management historical data and importance personal goal setting leadership development	Written tests and quizzes SAE books Career development events Award applications Nocti
3wks	Plants 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	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	written tests and quizzes hands-on work/greenhouse NOCTI
2 wks	Animal Animal Anatomy Animal Health Genetics/Breeding/Reproduction Small animal care Dairy and Livestock Horse	2.3 3.3 4.4 4.9	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	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					