2020 Agricultural Mechanics III Pacing Guide

*Note: this course is a senior level project class where students complete various projects during the course of the year as requested. Standards are not set in any order/time, but will be completed throughout the entirety of the course.

eate a safe work_environment, proper woodworking safety e work environment iminate potential hazards in e areas identified by various the importance of the coding. The environment of each safety color. In dress and protective devices vities. I all hand tools, power tools, the woodworking laboratory.	
iminate potential hazards in e areas identified by various the importance of the coding. heaning of each safety color. dress and protective devices vities. e all hand tools, power tools,	
e areas identified by various the importance of the coding. neaning of each safety color. dress and protective devices vities. all hand tools, power tools,	
the importance of the coding. neaning of each safety color. dress and protective devices vities. all hand tools, power tools,	
dress and protective devices vities. all hand tools, power tools,	
vities. all hand tools, power tools,	
* · ·	
l de la companya de	
Yea	r Long
tigate careers in the agriculture by in the area of woodworking.	
escribe occupations in vorking.	
be employment skills in vorking.	
ements necessary to secure a ure woodworking industry.	
ob entry employment lable in agriculture compile a list of those	
lable locally.	
	ob entry employment lable in agriculture

	AFNR-AMTII-5	
	Distinguish and explain the correct use of common woodworking hand tools and layout tools used in woodworking.	
	5.1 Demonstrate the use of woodworking hand tools.	
	5.2 Demonstrate the proper care and storage of hand tools.	
	5.3 Demonstrate the techniques for restoring worn, damaged, or abused tools to good working condition.	
	AFNR-AMTII-6	
	Select and use common portable and stationary power woodworking machines safely.	
	6.1 Perform basic procedures for using stationary power woodworking machines.	
	6.2 Describe major parts of specified tools and machines.	
	6.3 Analyze the main uses and safety precautions for each woodworking machine.	
	6.4 Demonstrate the proper operation of basic power woodworking equipment.	
Unit 3:	AFNR-AMF-4	Year Long
Metal Fabrication	Demonstrate Metal Fabrication Safety by recognizing, identifying, and describing factors that affect the lab and work environment and be able to determine the proper procedures for correcting safety hazards.	
	4.1 Identify and eliminate potential hazards in the agricultural mechanics laboratory and/or work setting.	
	4.2 Discuss the importance of safety in agricultural occupations.	
	4.3 Describe a safe agricultural work environment.	
	4.4 Select safety equipment and procedures for various agriculture related activities.	

	4.5 Demonstrate safety procedures and	
	appropriate behavior while working in the	
	agriculture classroom, labs, and/or work sites.	
	4.6 Distinguish the areas identified by various	
	safety colors and the importance of the coding.	
	4.7 Describe the meaning of each safety color.	
	4.8 Identify and describe personal protective	
	equipment required for various activities	
	conducted in the agricultural mechanics	
	laboratory and industry.	
	4.9 Recognize potential hazards related to	
	working with electricity, electric arc welders,	
	hand tools, portable and stationary power	
	equipment, power machinery, fasteners and fuels, lubricants, solvents, paints and other	
	chemicals used in agricultural mechanics.	
	_	
	4.10 Safely operate all hand tools, power tools, and equipment in the agricultural mechanics	
	laboratory.	
	4 FAID 4 4 4 TH 6	., .
Unit 4:	AFNR-AMTII-8	Year Long
Unit 4: Analyzing Blue	AFNR-AMTII-8 Design, draw, construct, finish, and explain the	Year Long
		Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project.	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols.	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials.	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials. 8.3 Calculate the bill of materials including board feet of lumber and material costs.	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials. 8.3 Calculate the bill of materials including board	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials. 8.3 Calculate the bill of materials including board feet of lumber and material costs. 8.4 Select and plan projects that develop woodworking skills with hand tools.	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials. 8.3 Calculate the bill of materials including board feet of lumber and material costs. 8.4 Select and plan projects that develop woodworking skills with hand tools. 8.5 Select and safely use woodworking tools	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials. 8.3 Calculate the bill of materials including board feet of lumber and material costs. 8.4 Select and plan projects that develop woodworking skills with hand tools. 8.5 Select and safely use woodworking tools during project construction.	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials. 8.3 Calculate the bill of materials including board feet of lumber and material costs. 8.4 Select and plan projects that develop woodworking skills with hand tools. 8.5 Select and safely use woodworking tools during project construction. 8.6 Demonstrate proper techniques for safely	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials. 8.3 Calculate the bill of materials including board feet of lumber and material costs. 8.4 Select and plan projects that develop woodworking skills with hand tools. 8.5 Select and safely use woodworking tools during project construction.	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials. 8.3 Calculate the bill of materials including board feet of lumber and material costs. 8.4 Select and plan projects that develop woodworking skills with hand tools. 8.5 Select and safely use woodworking tools during project construction. 8.6 Demonstrate proper techniques for safely using hand tools. 8.7 Prepare wood projects for finishing by	Year Long
Analyzing Blue	Design, draw, construct, finish, and explain the entire process for a woodworking project. 8.1 Create woodworking project plans using common drawing equipment and basic drawing symbols. 8.2 State the use and format of a bill of materials. 8.3 Calculate the bill of materials including board feet of lumber and material costs. 8.4 Select and plan projects that develop woodworking skills with hand tools. 8.5 Select and safely use woodworking tools during project construction. 8.6 Demonstrate proper techniques for safely using hand tools.	Year Long

	8.8 Select and use filler, paint, varnish, and stains on woodworking projects.	
Unit 5:	AFNR-AMTI-1	Year long
Record Keeping And Employment Experience	The following standard is included in all CTAE courses adopted for the Career Cluster/Pathways. Teachers should incorporate the elements of this standard into lesson plans during the course. The topics listed for each element of the standard may be addressed in differentiated instruction matching the content of each course. These elements may also be addressed with specific lessons from a variety of resources. This content is not to be treated as a unit or separate body of knowledge but rather integrated into class activities as applications of the concept.	
	 1.1 Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities. 1.2 Demonstrate creativity by asking challenging questions and applying innovative procedures and methods 1.3 Exhibit critical thinking and problem solving skills to locate, analyze and apply information in career planning and employment situations 1.4 Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity. 1.5 Apply the appropriate skill sets to be productive in a changing, technological, diverse workplace to be able to work independently and apply team work skills. 1.6 Present a professional image through appearance, behavior and language 	