

**PRINCIPLES OF AG - UPDATED August 2023 - (45 MINUTE CLASS PERIODS)**

<b>Quarter 1</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 1 - Day</b>	<b>Unit 1: Welcome to Ag / FFA Basics</b>		
1	Welcome to Ag Class	N/A	Parent Rules and Expectations Form
2	Dual Credit Explanation	N/A	
3	Dual Credit Sign Up	N/A	
4	1-1: FFA Basics	7117.D5.2	FFA Basics Guided Notes
5	1-2: FFA Official Dress	7117.D5.2	FFA Official Dress Activity

<b>Quarter 1</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 2 - Day</b>	<b>Unit 1: FFA Unit</b>		
1	1-3: FFA Degrees	7117.D5.2	FFA Degree Foldables
2	1-4: FFA Officer Roles and Responsibilities	7117.D5.1 7117.D5.3	FFA Chapter Meeting Activity
3	FFA Unit Poster Project	N/A	Unit Project
4	FFA Unit Poster Project	N/A	Unit Project
5	FFA Unit Poster Project	N/A	Unit Project

<b>Quarter 1</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 3 - Day</b>	<b>Unit 2: Careers in Ag</b>		
1	2-1: Scope of Ag Careers	7117.D2.5 7117.D4.1	
2	2-2: Career Exploration	7117.D2.4 7117.D2.5 7117.D4.1 7117.D4.2 7117.D4.4	Agriculture Careers Assignments - Ivy Tech

3	2-2: Career Exploration	7117.D2.4 7117.D2.5 7117.D4.1 7117.D4.2 7117.D4.4	Agriculture Careers Assignments - Ivy Tech
4	2-3: Resumes	7117.D4.3	Explaining a Resume and Pre Resume Planning Document
5	2-3: Resumes	7117.D4.3	Develop a Resume

Quarter 1	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 4 - Day</b>	<b>Unit 2: Careers in Ag</b>		
1	2-4: Job Applications	7117.D2.4 7117.D4.4	Explanation of a good application
2	2-4: Job Applications	7117.D2.4 7117.D4.4	Mock Applicaitons
3	2-5: Job Interview	7117.D2.4 7117.D4.4 7117.D5.5	Preparing for an Interview
4	2-5: Job Interview	7117.D2.4 7117.D4.4 7117.D5.5	Student Interviews
5	2-6: Agriculture Organizations	7117.D4.3	Agriculture Organizations Assignment - Ivy Tech

Quarter 1	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 5 - Day</b>	<b>Unit 3: Origins of Agriculture and US Agriculture Production - IVY TECH MODULE</b>		
1	3-1: Origins of Agriculture - Mod 2	7117.D1.1	Origins of Ag Presentation/Guided Notes
2	3-1: Origins of Agriculture - Mod 2	7117.D1.1	Origins of Ag Presentation/Guided Notes
3	3-2: Agriculture: The Worst Mistake in Human History?	7117.D1.2	Jared Diamond Reading and Questions
4	3-2: Agriculture: The Worst Mistake in Human History?	7117.D1.2 7117.D5.1	Agriculture, the Worst Mistake Ever? Paper Assignment - Ivy Tech

5	3-2: Agriculture: The Worst Mistake in Human History?	7117.D1.2 7117.D5.1	Agriculture, the Worst Mistake Ever? Paper Assignment - Ivy Tech
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Quarter 1	Standard Concept/Skill	Standard	Assignment/Project/Assessment
Week 6 - Day	Unit 3: Origins of Agriculture and US Agriculture Production - IVY TECH MODULE		
	Unit 4: Soil Science		
1	Unit 3 Assessment - IVY LEARN	7117.D1.1 7117.D1.2	Unit Assessment
2	4-1: Soil Profile	7117.D1.3	Soil Profile Guided Notes
3	4-2: Soil Horizons	7117.D1.3	Soil Horizons Flip Book
4	4-3: Soil Texture	7117.D1.3	Soil Texture Triangle and Sampling
5	4-3: Soil Erosion	7117.D1.3	Calculating Soil Erosion Using Cropping Systems and Tillage Practices - Ivy Tech

Quarter 1	Standard Concept/Skill	Standard	Assignment/Project/Assessment
Week 7 - Day	Unit 4: Soil Science		
1	4-3: Soil Erosion	7117.D1.3	Calculating Soil Erosion Using Cropping Systems and Tillage Practices - Ivy Tech
2	4-4: Soil Surveying	7117.D1.3	USDA Web Soil Survey Assignment
3	4-4: Soil Surveying	7117.D1.3	USDA Web Soil Survey Assignment
4	4-4: Soil Surveying	7117.D1.3	Soil Probing Outside Activity
5	Unit 4 Assessment	7117.D1.3	Unit Assessment

Quarter 1	Standard Concept/Skill	Standard	Assignment/Project/Assessment
Week 8 - Day	Unit 5: Tillage, Crop Production and Horticulture Crops		
1	5-1: Tillage Systems in Agriculture	7117.D1.4	
2	5-1: Tillage Systems in Agriculture	7117.D1.4	
3	5-2: Crop Production	7117.D1.4	Crop Production Presentation/Guided Notes
4	5-2: Crop Production	7117.D1.4	Crop Production Presentation/Guided Notes
5	5-2: Crop Production	7117.D1.4	County Crop Investigation ( <a href="#">Cropscape IT</a> ) and Corn Putty Lab

<b>Quarter 1</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 9 - Day</b>	<b>Unit 5: Tillage, Crop Production and Horticulture Crops</b>		
1	5-2: Crop Production	7117.D1.4	Corn Aflatoxin Virtual Lab
2	5-3: Horticultural Crops	7117.D1.4	Horticulture Crop Production Webquest
3	5-3: Horticultural Crops	7117.D1.4	Heirloom Vegetable Project- Ivy Learn
4	5-3: Horticultural Crops	7117.D1.4	Heirloom Vegetable Project - Ivy Learn
5	Unit 5 Assessment	7117.D1.4	Heirloom Vegetable Project Presentations - Ivy Learn

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<b>Quarter 2</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 10 - Day</b>	<b>Unit 6: Animal Sciences</b>		
1	6-1: Livestock Terminology	7117.D1.5	
2	6-1: Livestock Terminology	7117.D1.5	
3	6-1: Livestock Terminology Assessment	7117.D1.5	6-1 Quiz
4	6-2: Animal Nutrition	7117.D1.5	Monogastric Digestion
5	6-2: Animal Nutrition	7117.D1.5	Ruminant Digestion

<b>Quarter 2</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 11 - Day</b>	<b>Unit 6: Animal Sciences and Common Trends</b>		
1	6-2: Animal Nutrition	7117.D1.5	Avian Digestion
2	6-2: Animal Nutrition	7117.D1.5	Feed Rations
3	6-2: Animal Nutrition	7117.D1.5	Feed Rations
4	6-2: Animal Nutrition	7117.D1.5	Bromaid Pineapple Lab
5	6-2: Animal Nutrition Assessment	7117.D1.5	Monogastric, Ruminant, Avian, and Feed Rations Quiz

<b>Quarter 2</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 12 - Day</b>	<b>Unit 6: Animal Sciences and Common Trends</b>		
1	6-3: Pig Farm - VR Experience	7117.D1.5	
2	6-3: Pig Farm - VR Experience	7117.D1.5	
3	6-4: Livestock Production-Integrated System	7117.D1.5	Netflix: Rotten- Big Bird Season 1 Episode
4	6-4: Livestock Production-Integrated System	7117.D1.5	Netflix: Rotten- Big Bird Season 1 Episode
5	6-4: Livestock Production-Integrated System	7117.D1.5	Looking into the Contract Assignment - Ivy Tech

<b>Quarter 2</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 13 - Day</b>	<b>Unit 6: Animal Sciences and Common Trends</b>		
1	6-5: Current Trends in Animal Sciences	7117.D1.6	
2	6-5: Current Trends in Animal Sciences	7117.D1.6	

3	6-5: Current Trends in Animal Sciences	7117.D1.6	Current Events Project
4	6-5: Current Trends in Animal Sciences	7117.D1.6	Current Events Project
5	6-5: Current Trends in Animal Sciences	7117.D1.6	Current Events Project

Quarter 2	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 14 - Day</b>	<b>Unit 7: Agribusiness</b>		
1	7-1: Agribusiness 101	7117.D2.1	Intro to Agribusiness Presentation and Notes
2	7-2: Agribusiness Income Statements	7117.D2.2	Intro to Income Statements
3	7-2: Agribusiness Income Statements	7117.D2.2	Income Statements
4	7-2: Agribusiness Income Statements	7117.D2.2	Income Statements
5	7-1 and 7-2 Assessment	7117.D2.1 7117.D2.2	Agribusiness and Income Statement Quiz

Quarter 2	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 15 - Day</b>	<b>Unit 7: Agribusiness</b>		
1	7-3: Agribusiness Project	7117.D2.3	Project Overview and Ag Business - HW 1 - Product Choice
2	7-3: Agribusiness Project	7117.D2.3	Ag Business - HW 2 - Prospect Profile
3	7-3: Agribusiness Project	7117.D2.3	Ag Business - HW3 - Billboard Advertisement
4	7-3: Agribusiness Project	7117.D2.3	Ag Business HW 4 - Product Website
5	7-3: Agribusiness Project	7117.D2.3	Ag Business HW 4 - Product Website

Quarter 2	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 16 - Day</b>	<b>Unit 8: Winter Wreath</b>		
1	Winter Wreath Project	N/A	Identifying Pine, Spruce, and Fir and How to Take Cuttings Demo
2	Winter Wreath Project	N/A	Wreath Rough Draft Sketch, Material Collection (besides cuttings)
3	Winter Wreath Project	N/A	Cuttings Collection
4	Winter Wreath Project	N/A	Wreath Construction
5	Winter Wreath Project	N/A	Wreath Construction

Quarter 2	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 17 - Day</b>	<b>EXTRA DAYS</b>		
1	Extra Day 1	N/A	
2	Extra Day 2	N/A	
3	Extra Day 3	N/A	
4	Extra Day 4	N/A	
5	Extra Day 5	N/A	

Quarter 2	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 18 - Day</b>	<b>FALL FINAL EXAM</b>		
1	FALL FINAL EXAM REVIEW	N/A	FALL FINAL EXAM REVIEW
2		N/A	
3		N/A	
4		N/A	
5	FALL FINAL EXAM	N/A	FALL FINAL EXAM

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<b>Quarter 3</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 1 - Day</b>	<b>Unit 9: Food Sciences</b>		
1	9-1: Food Systems-Food Systems Thinker - IT	7117.D1.6 7117.D1.7 7117.D2.3	Food Systems Thinker Module 1 and 1.1 and 1.2 Worksheets
2	9-1: Food Systems-Food Systems Thinker - IT	7117.D1.6 7117.D1.7 7117.D2.3	Food Systems Thinker Module 1-2 and 1.3 and 2.1 Worksheets
3	9-1: Food Systems-Food Systems Thinker - IT	7117.D1.6 7117.D1.7 7117.D2.3	Food Systems Thinker Module 2 and 2.2 and 2.3 Worksheets
4	9-1: Food Systems-Food Systems Thinker - IT	7117.D1.6 7117.D1.7 7117.D2.3	Food Systems Thinker Module 3 and 3.1 and 3.2 Worksheets
5	9-1: Food Systems-Food Systems Thinker - IT	7117.D1.6 7117.D1.7 7117.D2.3	Food Systems Thinker Module 4 and 4.1 and 4.2 Worksheets

<b>Quarter 3</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 2 - Day</b>	<b>Unit 9: Food Sciences</b>		
1	9.2: Food Truck Agribusiness Project	7117.D2.4	Project Overview, Design a Food Truck Brainstorm and Research
2	9.2: Food Truck Agribusiness Project	7117.D2.4	Food Truck Logo, Slogan, Hashtag, and T-Shirt
3	9.2: Food Truck Agribusiness Project	7117.D2.4	Food Truck Menu
4	9.2: Food Truck Agribusiness Project	7117.D2.4	Virtual Food Truck TinkerCAD
5	9.2: Food Truck Agribusiness Project	7117.D2.4	Virtual Food Truck TinkerCAD

<b>Quarter 3</b>	<b>Standard Concept/Skill</b>	<b>Standard</b>	<b>Assignment/Project/Assessment</b>
<b>Week 3 - Day</b>	<b>Unit 9: Food Sciences</b>		
1	9.2: Food Truck Agribusiness Project	7117.D2.4	Food Truck Commercials

2	9.2: Food Truck Agribusiness Project	7117.D2.4	Food Truck Commercials
3	9.2: Food Truck Agribusiness Project	7117.D2.4	Food Truck Budgets
4	9.2: Food Truck Agribusiness Project	7117.D2.4	Food Truck Paper Construction
5	9.2: Food Truck Agribusiness Project	7117.D2.4	Food Truck Paper Construction

Quarter 3	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 4 - Day</b>	<b>Unit 10: Biotechnology</b>		
1	10.1: Biotechnology in Ag	N/A	Biotech in Ag Guided Notes
2	10.1: Biotechnology in Ag	N/A	Biotech in Ag Guided Notes
3	10.2: GMO Debate	N/A	GMO Debate Activity
4	10.2 GMO Debate	N/A	GMO Debate Activity
5	10.3: Ag Pest and Biotechnology	N/A	Ag Pest Biotechnology Investigation

Quarter 3	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 5 - Day</b>	<b>Unit 10: Biotechnology / Journey 2050</b>		
1	10.4: DNA Extraction	N/A	DNA Extraction Lab
2	10.5 Glocal Agriculture	7117.D1.6	
3	10.5 Glocal Agriculture	7117.D1.6	
4	10.5 Glocal Agriculture	7117.D1.6	
5	10.5 Glocal Agriculture	7117.D1.6	

Quarter 3	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 6 - Day</b>			
1	10.5 Glocal Agriculture	7117.D1.6	
2	10.6: Intro to Journey 2050	N/A	Journey 2050 - Demo Level 1
3	10.6: Journey 2050	N/A	Journey 2050 - Level 2
4	10.6: Journey 2050	N/A	Journey 2050 - Level 3 and 4
5	10.6: Journey 2050	N/A	Journey 2050 - Level 5 and 6

Quarter 3	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 7 - Day</b>	<b>Unit 11: Ivy Tech Animal Science Issues</b>		

1	11-1: Livestock Stress	7117.D3.1 7117.D3.2	Livestock Stress Presentation and Guided Notes
2	11-1: Livestock Stress	7117.D3.1 7117.D3.2	Livestock Stress Presentation and Guided Notes
3	11-1: Livestock Stress	7117.D3.1 7117.D3.2	Categories Of Stress Assignment - Ivy Tech
4	11-1: Livestock Stress	7117.D3.1 7117.D3.2	Categories Of Stress Assignment - Ivy Tech
5	11-1: Livestock Stress	7117.D3.1 7117.D3.2	Categories Of Stress Assignment - Ivy Tech

Quarter 3	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 8 - Day</b>	<b>Unit 12: Ivy Tech Marketing Ag Products</b>		
1	12-1: Value Added Products in Agriculture	7117.D1.6 7117.D2.1	Value Added Products Investigation
2	12-1: Value Added Products in Agriculture	7117.D1.6 7117.D2.1	Adding Value to Farm Products - Ivy Tech
3	12-2: Direct Marketing Agriculture Products	7117.D2.2 7117.D2.3	Direct Marketing Agricultural Products Presentation and Guided Notes - Ivy Tech Presentation
4	12-2: Direct Marketing Agriculture Products	7117.D2.2 7117.D2.3	Direct Marketing Agriculture Products - Ivy Tech
5	12-2: Direct Marketing Agriculture Products	7117.D2.2 7117.D2.3	Direct Marketing Agriculture Products - Ivy Tech

Quarter 3	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 9 - Day</b>	<b>Unit 12: Ivy Tech Marketing Ag Products</b>		
1	12-3: Food Labels Unwrapped	N/A	Explaining Food Labels - Proteins and Dairy
2	12-3: Food Labels Unwrapped	N/A	Explaining Food Labels - Grains and Produce
3	12-3: Food Labels Unwrapped	N/A	Explaining Food Labels - Fats/Oils and Sweets
4	12-3: Food Labels Unwrapped	N/A	Explaining Food Labels - Supplements
5	12-3: Food Labels Unwrapped	N/A	Food Labels Unwrapped - Ivy Tech Assignment

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Quarter 4	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 10 - Day</b>	<b>Unit 13: Ivy Tech Food Safety, Food Security &amp; Food Systems</b>		
1	13-1: Food Science Safety Prerequisite Measures	7117.D3.2	Food Science Safety Measures Presentation and Guided Notes
2	13-1: Food Science Safety Prerequisite Measures	7117.D3.2	Food Science Safety Measures Presentation and Guided Notes
3	13-2: Seven Principles of HACCP	7117.D3.2	Info Rotations/Stations
4	13-3: Food Science SOPs and GMPs	7117.D3.2	Info Rotations/Stations
5	13-4: Food Safety and HACCP	7117.D3.2	Food Safety/HACCP Assignment - Ivy Tech

Quarter 4	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 11 - Day</b>	<b>Unit 13: Ivy Tech Food Safety, Food Security &amp; Food Systems</b>		
1	13-5: Farm/Food Risks		Farm and Food Risk Pre-assessment
2	13-5: Farm/Food Risks		Farm and Food Risk Guided Notes
3	13-5: Farm/Food Risks		Farm Risk Assessment Explanation - Ivy Tech
4	13-5: Farm/Food Risks		Farm Risk Assessment - Ivy Tech
5	13-5: Farm/Food Risks		Farm Risk Assessment - Ivy Tech

Quarter 4	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 12 - Day</b>	<b>Unit 13: Ivy Tech Food Safety, Food Security &amp; Food Systems</b>		
1	13-5: Farm/Food Risks	N/A	Farm Risk Assessment - Ivy Tech
2	13-5: Farm/Food Risks	N/A	Farm Risk Assessment - Ivy Tech
3	13-5: Farm/Food Risks	N/A	Farm Risk Assessment - Ivy Tech Presentations
4	13-5: Farm/Food Risks	N/A	Farm Risk Assessment - Ivy Tech Presentations
5	13-5: Farm/Food Risks	N/A	Farm Risk Assessment - Ivy Tech Presentations

Quarter 4	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 13 - Day</b>	<b>Unit 14: Ivy Tech Alternative Ag Systems</b>		

1	14-1: Alternative Ag Systems 101	7117.D1.2	Alternative Ag Systems Presentation and Guided Notes
2	14-1: Alternative Ag Systems 101	7117.D1.2	Alternative Ag Systems Presentation and Guided Notes
3	14-2: Alternative Ag Systems Case Study	7117.D1.2	Sustainable Ag Case Study - Ivy Tech Assignment
4	14-2: Alternative Ag Systems Case Study	7117.D1.2	Sustainable Ag Case Study - Ivy Tech Assignment
5	14-2: Alternative Ag Systems Case Study	7117.D1.2	Sustainable Ag Case Study - Ivy Tech Assignment

Quarter 4	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 14 - Day</b>	<b>EXTRA DAYS</b>		
1	Extra Day 1	N/A	
2	Extra Day 2	N/A	
3	Extra Day 3	N/A	
4	Extra Day 4	N/A	
5	Extra Day 5	N/A	

Quarter 4	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 15 - Day</b>	<b>Final Project - Ivy Tech Final Project Prep</b>		
1	FP: MO6 - Who Are Your Interview Subjects	N/A	Who Are Your Interview Subjects - Ivy Tech
2	FP: MO6 - Who Are Your Interview Subjects	N/A	Who Are Your Interview Subjects - Ivy Tech
3	FP: MO* Final Assignment	N/A	Career Planning Project - Ivy Tech
4	FP: MO* Final Assignment	N/A	Career Planning Project - Ivy Tech
5	FP: MO* Final Assignment	N/A	Career Planning Project - Ivy Tech

Quarter 4	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 16 - Day</b>			
1			
2	Final Project Prep: Gather Interviewer/Interviewee Info, Interviews, Project		Final Project Prep: Gather Interviewer/Interviewee Info Interviews Project Work Days
3			

4	Work Days		Info, Interviews, Project Work Days
5			

Quarter 4	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 17 - Day</b>	<b>Final Project Prep</b>		
1	Final Project Prep: Gather Interviewer/Interviewee Info, Interviews, Project Work Days		Final Project Prep: Gather Interviewer/Interviewee Info, Interviews, Project Work Days
2			
3			
4			
5			

Quarter 4	Standard Concept/Skill	Standard	Assignment/Project/Assessment
<b>Week 18 - Day</b>	<b>Ivy Tech - Final Project Completion</b>		
1	Final Project Work Day(s) and Final Project Presentation Days		Final Project Prep: Gather Interviewer/Interviewee Info, Interviews, Project Work Days
2			
3			
4			
5			