Principles of Agricultural Science – Animal Scope and Sequence – Virtual

Virtual Prior to CI

Day	Time	Discussion Items	Activity and Deliverables **Check-Off Item*
Orientation 1 Week Before	TBA 1 Week before CI	General Session • Introductions • Google Classroom Access • Participant Documents • Scope and Sequence • AoE CASE Navigation • MyCASE Access • Course Materials • Participant Preparation	

Virtual During CI

Day	Time	Discussion Items	Activity and Deliverables **Check-Off Item*
Day 1 (Virtual)	9:00 – 11:00 Synchronous	Unit 1 History and Use of Animals • Lesson 1.1 Everyday Animals • Lesson 1.2 Naming and Taming	• Project 1.1.4 Producers Management Guide • Activity 1.2.2 Tasty Taxonomy • Activity 1.2.3 Creature Classification* • Project 2.1.3 Animal Issues
	11:00 – 1:00 Asynchronous	Lunch	• Activity 2.2.1 Response to Environment*
	1:00 – 3:00 Synchronous	Unit 2 Animal Handling and Safety • Lesson 2.1 • Lesson 2.2	• Activity 2.3.2 Biosecurity: Managing Risk* • Activity 2.3.3 Scaled Down • Project 2.3.4 What Makes a Home?*
	3:00 – 4:00 Asynchronous	• Graphical Analysis Installation and GoDirect Practice • Complete daily homework • Day 2 Participant Prep	
Day 2	9:00 – 11:00	Unit 3 Cells and Tissues • Lesson 3.1 Units of Life	• Activity 3.1.2 Examining Cell Structure

Day	Time	Discussion Items	Activity and Deliverables **Check-Off Item*
(Virtual)	Synchronous	• AoE Concepts and Performance Objectives	• Activity 3.1.3 Cellular Respiration
	11:00 – 1:00 Asynchronous	• Lunch • Virtual Osmosis and Diffusion Activity	
	1:00 – 3:00 Synchronous	Unit 3 Cells and Tissues • Lesson 3.1 Units of Life Continued	• Activity 3.1.4 Moving Molecules • Activity 3.1.5 Just Passing Through*
	3:00 – 4:00 Asynchronous	• How to use a microscope and dissecting microscope • Day 3 Participant Prep	
Day 3 (Virtual)	9:00 – 11:00 Synchronous	• AoE Teacher Notes Unit 3 Continued • Lesson 3.2 Putting the Puzzle Together	• Activity 3.2.2 Just Winging It
	11:00 – 1:00 Asynchronous	• Lunch • View Whitman Virtual Pig Dissection	
	1:00 – 3:00 Synchronous	Unit 3 Continued • Lesson 3.2 Putting the Puzzle Together	• Activity 3.2.3 Inside Investigation*
	3:00 – 4:00 Asynchronous	• Break • Day 4 Participant Prep	
Day 4 (Virtual)	9:00 – 11:00 Synchronous	Unit 3 Continued • Lesson 3.3 Breathing, Beating, and Body Control • Lab Report Expectations	• Activity 3.3.2 Take a Deep Breath* • Activity 3.3.4 Raising the Beat*
	11:00 – 1:00 Asynchronous	Lunch	
	1:00 – 3:00 Synchronous	Unit 4 Animal Nutrition • Lesson 4.1 Digestion Junction • Lesson 4.2 The Need for Feedstuffs	• Activity 4.1.3 My Stomach's Bigger (in groups of 4) • Project 4.1.4 Digestion Murals • Activity 4.2.1 The Essentials
	3:00 – 4:00 Asynchronous	• Pearson Square Video • Day 5 Participant Prep	
Day 5 (Virtual	9:00 – 11:00 Synch	Unit 4 Continued • Lesson 4.3 What's for Dinner	• Activity 4.2.3 Feed Analysis • Activity 4.2.4 Energy in Feed*
	11:00 – 1:00 Asynchronous	Lunch	• Activity 4.4.2 Pearson's Square Diet\ • Activity 4.4.4 A Balanced Diet
	1:00 – 3:00 Synchronous	Unit 5 Animal Reproduction • Lesson 5.1 Where do Calves Come From?	• Activity 5.1.4 Find that Part - Bovine dissection only

Day	Time	Discussion Items	Activity and Deliverables **Check-Off Item*
	3:00 – 4:00 Asynchronous	• Genetics Software Account Login • Day 6 Participant Prep	
Day 6 (Virtual)	9:00 – 11:00 Synchronous	• AoE APP Modalities Unit 5 Continued • Lesson 5.2 The Pathway to Production Unit 6 Genetics • Lesson 6.1 A New Pair of Genes	• Activity 5.2.3 Evaluating Viability • Problem 5.2.5 Synchronizing Estrus for Profit*
	11:00 – 1:00 Asynchronous	Lunch	
	1:00 – 3:00 Synchronous	Unit 6 Continued • Lesson 6.2 Predicting Genetic Inheritance	• Activity 6.1.1 Focus on Mitosis • Activity 6.1.3 Drosophila Simulation • Activity 6.2.3 Predicting the Future*
	3:00 – 4:00 Asynchronous	• Day 7 Participant Prep	
Day 7 (Virtual)	9:00 – 11:00 Synchronous	Unit 7 Animal Health • Lesson 7.1 Diseased • Lesson 7.2 Bugged	• Activity 7.2.1 The Circle of a Bug's Life • Activity 7.2.2 Eggs a Float*
	11:00 – 1:00 Asynchronous	Lunch	
	1:00 – 3:00 Synchronous	Unit 8 Continued • Lesson 7.3 Pathogens Prevented • AoE Materials	• Activity 7.3.1 Give me One Shot • Activity 7.3.2 Animal Health Requirements • Activity 7.3.3 The Power of Prevention*
	3:00 – 4:00 Asynchronous	• Day 8 Participant Prep	
Day 8 (Virtual)	9:00 – 11:00 Synchronous	• AoE CASE Navigation Final Points Unit 8 Animal Products, Selection, and Marketing • Lesson 8.1 Products of Our Toil • Lesson 8.2 In Search of the Ideal Animal	• Project 8.1.1 From Field to Fridge • Activity 8.2.1 Selecting the Best
	11:00 – 1:00 Asynchronous	Lunch	• Problem 8.2.3 Using Data in Selection* • Project 8.3.2 Planning for Profit*
	1:00 – 3:00 Synchronous	Unit 8 Continued • Lesson 8.3 Value Added • Complete CI Survey • Debrief CI • Certification Celebration	