

Principles of Agricultural Science – Animal Scope and Sequence – Virtual

Virtual Prior to CI

Day	Time	Discussion Items	Activity and Deliverables <i>*Check-Off Item</i>
Orientation 1 Week Before	TBA 1 Week before CI	General Session <ul style="list-style-type: none"> • Introduction of Host Site & Site Logistics • Introduction of Lead Teachers • Opening Session Presentation • CASE Institute Expectations and Portfolio • Scope and Sequence – logistics • MyCASE curriculum access • Materials lists and inventories • Opening & Day 1 Participant Preparation • Activity 1.1.2 Agriscience Notebooks 	

Virtual During CI

Day	Time	Discussion Items	Activity and Deliverables <i>*Check-Off Item</i>
Day 1 (Virtual)	9:00 – 11:00 Synchronous	<ul style="list-style-type: none"> • Lesson 1.1.1 Everyday Animals • Project 1.1.4 Producers Management Guide: • Activity 1.2.1 Harness the Wild • Activity 1.2.2 Tasty Taxonomy 	<ul style="list-style-type: none"> • Activity 1.2.3 Creature Classification* • Project 2.1.3 Animal Issues*
	11:00 – 1:00 Asynchronous	<ul style="list-style-type: none"> • Lunch 	<ul style="list-style-type: none"> • Activity 2.2.1 Response to Environment*
	1:00 – 3:00 Synchronous	<ul style="list-style-type: none"> • Activity 2.2.2 Risk & Reward • Project 2.2.3 Acting Like an Animal • Activity 2.3.2 Biosecurity: Managing Risk • Activity 2.3.3 Scaled Down 	<ul style="list-style-type: none"> • Activity 2.3.2 Biosecurity: Managing Risk* • Project 2.3.4 What Makes a Home?*
	3:00 – 4:00 Asynchronous	<ul style="list-style-type: none"> • Graphical Analysis Installation and GoDirect Practice • Day 2 Participant Prep 	<ul style="list-style-type: none"> • Activity 1.2.2 Tasty Taxonomy classification chart/map • Activity 2.1.3 Animal Issues (if not Completed)

Day	Time	Discussion Items	Activity and Deliverables <i>*Check-Off Item</i>
Day 2 (Virtual)	9:00 – 11:00 Synchronous	<ul style="list-style-type: none"> • Lesson 3.1 Units of Life • Activity 3.1.3 Cellular Respiration 	
	11:00 – 1:00 Asynchronous	<ul style="list-style-type: none"> • Lunch • Virtual Osmosis and Diffusion Activity 	
	1:00 – 3:00 Synchronous	<ul style="list-style-type: none"> • Activity 3.1.4 Moving Molecules • Activity 3.1.5 Just Passing Through 	
	3:00 – 4:00 Asynchronous	<ul style="list-style-type: none"> • How to use a microscope and dissecting microscope • Day 3 Participant Prep 	
Day 3 (Virtual)	9:00 – 11:00 Synchronous	<ul style="list-style-type: none"> • Lesson 3.2 Putting the Puzzle Together • Activity 3.2.2 Just Winging It* 	
	11:00 – 1:00 Asynchronous	<ul style="list-style-type: none"> • Lunch 	<ul style="list-style-type: none"> • View Whitman Virtual Pig Dissection*
	1:00 – 3:00 Synchronous		<ul style="list-style-type: none"> • Activity 3.2.3 Inside Investigation*
	3:00 – 4:00 Asynchronous	<ul style="list-style-type: none"> • Day 4 Participant Prep 	
Day 4 (Virtual)	9:00 – 11:00 Synchronous	<ul style="list-style-type: none"> • Lesson 3.3 Breathing, Beating, and Body Control • Project 3.3.3 Cruising With a Blood Cell • Lab Report Expectations 	<ul style="list-style-type: none"> • Activity 3.3.2 Take a Deep Breath* • Activity 3.3.4 Raising the Beat*
	11:00 – 1:00 Asynchronous	<ul style="list-style-type: none"> • Lunch 	
	1:00 – 3:00 Synchronous	<ul style="list-style-type: none"> • Lesson 4.1 Digestion Junction • Activity 4.1.3 My Stomach's Bigger (in groups of 4) • Project 4.1.4 Digestion Murals • Lesson 4.2 The Need for Feedstuffs 	Activity 2.3.2 Biosecurity: Managing Risk Observations
	3:00 – 4:00 Asynchronous	<ul style="list-style-type: none"> • Pearson Square Video • Day 5 Participant Prep 	
Day 5 (Virtual)	9:00 – 11:00 Synchronous	<ul style="list-style-type: none"> • Activity 4.2.3 Feed Analysis • Activity 4.4.4 A Balanced Diet • Activity 4.4.2 Pearson's Square Meal 	<ul style="list-style-type: none"> • Activity 4.2.4 Energy in Feed* <ul style="list-style-type: none"> ○ LT demonstration ○ Data sharing
	11:00 – 1:00 Asynchronous	<ul style="list-style-type: none"> • Lunch 	
	1:00 – 3:00 Synchronous	<ul style="list-style-type: none"> • Lesson 5.1 Where do Calves Come From? • Activity 5.1.4 Find that Part - Bovine dissection only 	
	3:00 – 4:00 Asynchronous	<ul style="list-style-type: none"> • Day 6 Participant Prep 	

Day	Time	Discussion Items	Activity and Deliverables <i>*Check-Off Item</i>
Day 6 (Virtual)	9:00 – 11:00 Synchronous	<ul style="list-style-type: none"> • Lesson 5.2 The Pathway to Production • Activity 5.2.3 Evaluating Viability • Lesson 6.1 A New Pair of Genes 	<ul style="list-style-type: none"> • Problem 5.2.5 Synchronizing Estrus for Profit*
	11:00 – 1:00 Asynchronous	<ul style="list-style-type: none"> • Lunch 	<ul style="list-style-type: none"> • Activity 2.3.2 Biosecurity: Managing Risk Observations & Completion
	1:00 – 3:00 Synchronous	<ul style="list-style-type: none"> • Activity 6.1.1 Focus on Mitosis • Activity 6.13 Drosophila Simulation • Lesson 6.2 Predicting Genetic Inheritance <ul style="list-style-type: none"> ○ Punnett Square • EPDs 	<ul style="list-style-type: none"> • Activity 6.2.3 Predicting the Future*
	3:00 – 4:00 Asynchronous	<ul style="list-style-type: none"> • Problem 5.2.5 Synchronizing Estrus for Profit • Day 7 Participant Prep 	
Day 7 (Virtual)	9:00 – 11:00 Synchronous	<ul style="list-style-type: none"> • Lesson 7.2 Bugged • Activity 7.1.3 Who was Infected First? 	<ul style="list-style-type: none"> • Activity 7.2.2 Eggs a Float*
	11:00 – 1:00 Asynchronous	<ul style="list-style-type: none"> • Lunch 	<ul style="list-style-type: none"> • Activity 7.2.1 The Circle of a Bug's Life
	1:00 – 3:00 Synchronous	<ul style="list-style-type: none"> • Lesson 7.3 • Activity 7.3.1 The Circle of a Bug's Life • Activity 7.3.1 Give me One Shot 	<ul style="list-style-type: none"> • Activity 7.3.3 The Power of Prevention*
	3:00 – 4:00 Asynchronous	<ul style="list-style-type: none"> • Day 8 Participant Prep 	
Day 8 (Virtual)	9:00 – 11:00 Synchronous	<ul style="list-style-type: none"> • Lesson 8.1 Products of Our Toil • Activity 8.1.2 Meat We Eat • Lesson 8.2 In Search of the Ideal Animal • Problem 8.2.3 Using Data in Selection 	
	11:00 – 1:00 Asynchronous	<ul style="list-style-type: none"> • Lunch 	<ul style="list-style-type: none"> • Problem 8.2.3 Using Data in Selection*
	1:00 – 3:00 Synchronous	<ul style="list-style-type: none"> • Complete CI Survey • Debrief CI • Certification Celebration 	<ul style="list-style-type: none"> • Project 8.3.2 Planning for Profit*