

Fast Track Principles of Agricultural Science – Animal: Pre-Institute

<u>PMG Notes</u>	<u>Review</u>	<u>Assessments</u>	<u>Action Items</u>
<p>Read and complete PMG Notes for each of the following APP</p> <ul style="list-style-type: none"> • Project 1.1.4 Producer's Management Guide • Activity 2.2.2 Creature Classification • Project 3.1.5 Animal Welfare and Me • Project 3.2.2 Acting Like an Animal • Activity 3.3.1 Animal Needs • Project 3.3.4 What Makes a Home? • Activity 5.2.2 Individual Requirements • Activity 5.4.2 Quick Guide: Nutritional Disorders • Activity 6.3.2 Puberty to Parenthood • Activity 8.2.2 Diagnosing Diseases • Project 8.4.2 The Power of Prevention • Project 9.2.2 Storybook Selection 	<p>Read and consider implementation for each of the following APP</p> <ul style="list-style-type: none"> • Activity 1.1.2 Animal Business • Project 2.2.3 The Key to Breeds • Activity 3.1.1 Animal Value • Activity 3.1.2 Understanding My Beliefs • Activity 3.1.4 Recognizing Differences • Activity 4.3.1 Show What I Know • Activity 4.3.5 Mapping Reactions • Activity 5.3.3 It's All on the Label • Activity 5.5.1 Rational Rules of Thumb • Activity 6.3.1 Hormones • Project 8.1.3 I'm In Charge Here! • Activity 8.2.3 Mystery Diseases • Activity 8.3.1 The Circle of a Bug's Life • Project 9.1.1 From Field to Fridge • Activity 9.2.1 Selecting the Best • Activity 9.3.1 Branded 	<p>Read and assess anchor project for each of the following APP</p> <ul style="list-style-type: none"> • Project 2.1.2 Animals Then and Now • Project 3.1.3 Animal Issues • Project 3.1.5 Animal Welfare and Me • Project 3.2.2 Acting Like an Animal • Project 4.1.1 Cell Analogy Collage • Project 4.3.3 Cruising with a Blood Cell • Project 5.1.4 Digestion Murals • Project 5.4.1 Hunger Pains • 	<p>Read and fully complete each of the following APP</p> <ul style="list-style-type: none"> • Activity 2.2.2 Creature Classification • Activity 3.3.1 Animal Needs • Activity 4.1.4 Moving Molecules • Activity 5.2.2 Individual Requirements

Completed Pre-Institute Portfolio should include:

- Unit Review for each unit
- PMG Notes for each PMG APP
- Completed deliverable for each Action Item APP
- Teaching Calendar

Fast Track Principles of Agricultural Science – Animal: Face-to-Face

Day	Estimated Time	Discussion Items	Action Items, Assessments, and Deliverables
Orientation	TBA	Registration	
	TBA	<ul style="list-style-type: none"> • General Session • Introduction of Host Site & Site Logistics • Introduction of Lead Teachers • Opening Session Presentation • CASE Institute Expectations and Portfolio 	<ul style="list-style-type: none"> • Pre-Institute Portfolio • CASE Curriculum Installation • Navigating the Curriculum • Activity 1.1.1 Agriscience Notebooks
Day 1	8:00 – 12:00	<ul style="list-style-type: none"> • Unit 1 Worlds of Opportunity • Lesson 1.1 Animal Planet • Unit 2 History and Use of Animals • Lesson 2.1 Taming Animals • Lesson 2.2. Naming Animals • Unit 3 Animal Handling and Safety • Lesson 3.1 Animal Rights or Wrongs • Lesson 3.2 Manipulating Manners • Lesson 3.3 Home Sweet Home 	<ul style="list-style-type: none"> • Activity 2.2.1 Tasty Taxonomy • Activity 3.2.1 Response to Environment • Activity 3.3.2 Biosecurity – Managing Risk • Activity 3.3.3 Scaled Down
	12:00 – 1:00	Lunch	
	1:00 – 5:00	<ul style="list-style-type: none"> • Unit 4 Cells and Tissues • Lesson 4.1 Units of Life • Lesson 4.2 Putting the Puzzle Together • Lesson 4.3 Breathing, Beating, and Body Controls • LabQuest Training 	<ul style="list-style-type: none"> • Project 3.3.4 What Makes a Home? • Activity 4.1.2 Examining Cell Structure • Activity 4.1.3 Cellular Respiration Study • Activity 4.1.5 Just Passing Through
	Homework:	<ul style="list-style-type: none"> <input type="checkbox"/> Project 1.1.4 PMG, Read Activity 6.1.1 Name That Part <input type="checkbox"/> Pre-read material for following day <input type="checkbox"/> 	
Day 2	8:00 – 12:00		<ul style="list-style-type: none"> • Activity 4.2.2 Just Winging It • Activity 4.2.3 Inside Investigation • Activity 4.3.2 Take a Deep Breath • Activity 4.3.4 Raising the Beat
	12:00 – 1:00	Lunch	

Day	Estimated Time	Discussion Items	Action Items, Assessments, and Deliverables
	1:00 – 5:00	<ul style="list-style-type: none"> • Unit 5 Animal Nutrition • Lesson 5.1 Digestion Junction • Lesson 5.2 The Need for Feed • Lesson 5.3 Feedstuffs • Lesson 5.4 Nutritional Disorders • Lesson 5.5 What's for Dinner 	<ul style="list-style-type: none"> • Activity 5.3.1 Energy in Feed • Activity 5.5.2 Pearson's Square Meal • Activity 5.5.3 Snack Time • Activity 5.5.4 A Balanced Diet
	Homework:	<ul style="list-style-type: none"> <input type="checkbox"/> Project 1.1.4 PMG, Read Activity 6.3.2 Puberty to Parenthood <input type="checkbox"/> Pre-read material for following day <input type="checkbox"/> 	
Day 3	8:00 – 12:00	<ul style="list-style-type: none"> • Unit 6 Reproduction • Lesson 6.1 Where Do Calves Come From? • Lesson 6.2 Generating Generations • Lesson 6.3 The Pathway to Production • Unit 7 Genetics • Lesson 7.1 A New Pair of Genes • Lesson 7.2 Predicting Genetic Inheritance 	<ul style="list-style-type: none"> • Activity 6.1.2 Show Me That Part • Activity 6.1.3 Find That Part • Activity 6.2.2 Evaluating Viability • Problem 6.3.3 Synchronizing Estrus for Profit
	12:00 - 1:00	Lunch	
	1:00 – 5:00	<ul style="list-style-type: none"> • Assign Lesson 9.1 to Groups 	<ul style="list-style-type: none"> • Activity 7.1.1 Focus on Mitosis • Activity 7.1.3 Drosophila Genetics Simulation • Activity 7.1.4 Odd Couples • Activity 7.2.1 Black + Black = Red • Activity 7.2.2 Playing the Average
	Homework:	<ul style="list-style-type: none"> <input type="checkbox"/> Project 1.1.4 PMG <input type="checkbox"/> Pre-read material for following day <input type="checkbox"/> 	
Day 4	8:00 – 12:00	<ul style="list-style-type: none"> • Unit 8 Animal Health • Lesson 8.1 Popular Pathogens • Lesson 8.2 Diseased • Lesson 8.3 Bugged! • Lesson 8.4 Pathogens Prevented 	<ul style="list-style-type: none"> • Activity 7.2.3 Predicting the Future • Activity 7.2.4 The Pedigree Detective • Activity 8.1.1 Who Was Infected First? • Activity 8.1.2 Rounds, Rods, and Spirals • Activity 8.2.1 Vitally Important
	12:00 – 1:00	Lunch	

Day	Estimated Time	Discussion Items	Action Items, Assessments, and Deliverables
	1:00 – 5:00	<ul style="list-style-type: none"> • Unit 9 Animal Products, Selection, and Marketing • Lesson 9.1 Products of Our Toil • Lesson 9.2 In Search of the Ideal Animal • Lesson 9.3 Value Added 	<ul style="list-style-type: none"> • Activity 8.3.2 Eggs Afloat • Activity 8.4.1 Give Me One More Shot • Activity 9.1.2 The Meat We Eat • Activity 9.1.3 The Milky Way
	Homework:	<ul style="list-style-type: none"> <input type="checkbox"/> Project 1.1.4 PMG, Problem 9.2.3 Using Data in Selection <input type="checkbox"/> Pre-read material for following day <input type="checkbox"/> 	
Day 5	8:00 – 12:00		<ul style="list-style-type: none"> • Activity 9.1.4 The Eggs Have It • Finalize 3.3.2 Biosecurity: Managing Risk • Problem 9.2.3 Using Data in Selection • Problem 9.3.2 Planning for Profit • Finalize 1.1.4 Producer's Management Guide
	12:00 – 1:00	Lunch	
	1:00 – 2:00	<ul style="list-style-type: none"> • Problem 9.3.3 Finding a Niche • Final Thoughts and Questions • End of Course Reflections 	<ul style="list-style-type: none"> • Final Portfolio Check • End of Course Assessment/Survey • End of Institute Awards and Certification