

Gr	Supplies	Leading Question	On-Site at Farm	NAT Goal	Science Content (NSES)	Social Studies Content (NCSS)	Inquiry and Math Skills (AAAS)	Language Arts Skills (NCTE)
K	Plastic animals	<i>What are the species of farm animals, and what are their similarities and differences?</i>	Observe animals and take note as a class about characteristics.	There are different kinds of farm animals, and they are grouped into species	Similarities and differences	Individuals, families and groups.	Sorting Matching Grouping Observing Asking Questions Describing	Word recognition Listening skills Parts of a book; Compare/contrast Writing stories dramatic play
1	Plastic animals	<i>What are the basic needs of farm animals? Are human basic needs similar to and/or met by farm animals?</i>	Study where they live and how their basic needs are fulfilled there.	Like us, farm animals have basic needs, including the need for a job.	Basic Needs	Families	Matching Categorizing Observing Comparing Describing Gathering evidence Collecting data	Vocabulary Early reading Listening Storytelling. Impersonation and dramatic play Making a book
2	Wooden eggs; rare breed eggs - order	<i>What is the life cycle of an individual, and how are individuals related to their families and their communities?</i>	Deliver the chicks to the local farm. Gather information about species life cycles.	Farm animals are important. Some farm animals are rare. They have unique traits and characteristics.	Life Cycles	Neighborhood	Ordination, non-standard measurement An educated guess Observing Describing Recording, Graphing	Oral communication; listening skills, note taking. Print and non-print texts. Story telling and creating media technology skills.illustration. Writing letters
3	Feed samples	<i>What is a domestic animal? How do they interact with each other and with people? Why are some domestic breeds rare?</i>	Expert teams gather information on uses, diet and replacements of farm animals. Species teams present findings.	People and domestic animals depend on each other. Animals provide people with food, fiber and services. Today there are replacements	Inter-dependence (food webs)	Historical communities.	Cross-referencing, Observing Investigation Interviewing Recording information Interpreting the past.	Interview skills; concept webs Writing letters Making a book Persuasive and descriptive writing Critical thinking Note taking
4	Rare breed wool and feathers	<i>How do they live and function; what makes them unique? Why are rare breeds important?</i>	Observe animals and identify specific adaptations. Ask a question. Once home, research ideas.	Rare Breeds have been shaped by environmental adaptation and human selection.	Adaptation, Form and Function	Your State history and Geography	Observations Hypothesis, Asking a question Field Research Using tools for sight	Chapter books; non-fiction; accessing information, oral presentations. Independent learning. Applying information Reading poetry
5	Feathers; Quill pen; feed samples	<i>Where do they live and raise their offspring? How and when did they get here?</i>	Interview farm manager about heritage and historical uses of farm animals. Option: Animal Behavior study and observations.	Rare Breeds are genetic units with unique histories. Their diversity is a genetic resource for the future.	Diversity; Behavior studies	Colonial life, and Immigration: population migrations	Mapping graphing (using Excel and paper) Creating a Timeline Measuring Distances Spatial relationships On-line research Creating fraction word problems using cards	Creating a poster. Using original sources, drafting and editing, reports, using citations, making diagrams, synthesizing information, Reading non-fiction, researching on-line effectively.