

 **Project 3.2.2 Behavior WebQuest****Introduction**

When you returned to school after your farm tour with your list of questions, you discovered many of your classmates had different experiences. One person watched a horse trainer wave flags and condition a horse to remain calm in the presence of distractions. Another found a commercial cattle operation where the cows obediently came running when the feed truck started, but scattered quickly when a person on foot approached. Someone else observed sheep hurrying from corner to corner of a corral as people walked through. The behavior of animals varied from farm to farm even among the same species.

You and your partner have taken on the task of researching one of the animals you observed on the farm. Due to the variety of animals, it is not reasonable to research each animal extensively, so your classmates will study other animals and share their findings with you.

**The Task**

You and your partner will study the behaviors, instinctive and learned, and the safe handling of the animal you have chosen. You will prepare a brief to be used as a preparatory document for students making farm visits as well as an annotated reference of your sources. Parts One and Two below will assist you in staying organized.

**The Process****Part One – Research**

You and your partner will assign tasks and complete research for the behavioral, handling, and restraint practices of the animal you have chosen to study. Additionally, you should find three to four resources, such as training videos, guides, magazine articles, and books that an individual interested in your animal could use in training and handling.

Pay particular attention to behaviors associated with the following activities:

1. Instinctual behaviors
  - Social structure
  - Reproduction
  - Mothering
  - Feeding
  - Communication
2. Learned behaviors
  - Imprinting
  - Conditioning
  - Habituation
  - Intelligence
3. Safe Handling and Restraint Procedures
  - Flight zones
  - Temperament
  - Vision
  - Noise
  - Restraint devices

Keep an accurate record of all documents you access and use for your annotated reference. You and your partner should have a minimum of five sources with a mix of book and web sources.

## Part One Resources

Use the following resources to assist you in your research. You may find additional books, magazines, videos, and websites helpful in your studies as well.

### Books from the Agriscience Library

Damron, W.E. (2000). *Introduction to animal science: Global, biological, social, and industry perspectives*. Upper Saddle River, NJ: Prentice Hall, Inc.

Ensminger, M.E. (1991). *Animal science*. Danville, IL: Interstate Publishers, Inc.

Herren, R.V. (2007). *The science of animal agriculture (3<sup>rd</sup> ed.)*. Clifton Park, NY: Delmar.

Parker, R. (2009). *Equine science (3<sup>rd</sup> ed.)*. Clifton Park, NY: Delmar.

Warren, D. M. (2002). *Small animal care and management*. Albany, NY: Delmar.

### Animal Behavior Websites

Animal Behavior

<http://www.animalbehaviour.net/>

Animal Handling and Restraint

[http://www.ruralareavet.org/PDF/Animal\\_Handling.pdf](http://www.ruralareavet.org/PDF/Animal_Handling.pdf)

Guidelines for Humane Handling, Transport and Slaughter of Livestock

<http://www.fao.org/docrep/003/x6909e/x6909e00.HTM>

Livestock Behavior, Design of Facilities, and Humane Slaughter

<http://www.grandin.com/>

Safe Handling of Farm Animals

<http://nasdonline.org/document/44/d001612/handling-farm-animals-safely.html>

Sheep 201 A beginner's guide to raising sheep - Behavior

<http://www.sheep101.info/201/behavior.html>

The Basics of Equine Behavior

[http://esc.rutgers.edu/fact\\_sheet/the-basics-of-equine-behavior/](http://esc.rutgers.edu/fact_sheet/the-basics-of-equine-behavior/)

## Part Two – Compiling

Using word processing software, write a brief for students going on field trips and farm tours to become acquainted with common animal behaviors and handling and restraint practices. Your brief should be arranged in the following format and should not exceed two pages.

Page 1	Page 2
<ul style="list-style-type: none"><li>Title</li><li>Instinctive Behaviors</li><li>Learned Behaviors</li><li>Additional Resources</li></ul>	<ul style="list-style-type: none"><li>Handling and Restraint Procedures</li></ul>

Your annotated reference should be a separate document that includes the citation of each source in APA format, two to four sentences summarizing the article, one to two sentences describing how it relates to your brief and how it was helpful to you, and finally one to two sentences describing the reliability and credibility of the source.

### **Sample Annotated Reference:**

Gillespie, J.R., & Flanders, F.B. (2010). Breeds of dairy cattle. *Modern livestock and poultry production (8<sup>th</sup> ed.)* (pp. 729-743). Clifton Park, NY: Delmar.

In this chapter, Gillespie discusses the characteristics, trends and concentration of the dairy industry in the United States. He encourages the selection of dairy breeds be based on availability in the area, market preference, and personal preference. There are five common breeds, including Ayrshire, Brown Swiss, Guernsey, Holstein, and Jersey. This article was helpful in writing my report on dairy breed identification as it provides detailed descriptions of each breed. This is a reliable source as it is from an edited and reviewed textbook available for education.

### **Annotated Reference Resources:**

Annotated Bibliographies

<http://library.ucf.edu/Rosen/annotated.pdf>

Writing an Annotated Bibliography

<http://lib.calpoly.edu/research/guides/bibliography.html>

Citation Machine (Help with Bibliography entries)

<http://www.citationmachine.net/index2.php>

Upon completion of your brief and annotated reference, ask your teacher for assistance in making enough copies of your brief for your classmates. Submit one copy of the brief and the annotated reference to your teacher. Share the copies of your brief with your classmates. Read the briefs shared by your classmates and place a copy of each in your *Producer's Management Guide*.

## **Evaluation**

Refer to *Project 3.2.2 Behavior Brief and Annotated Reference Rubric* for expectations and assessment criteria.