

DATE: August 8, 2001
TIME: 90 minutes

GROUP: K-4
ACTIVITY: Hayride and Tour of Farm

**HAPPY HOLLOW FARMS
SAMPLE LESSON PLAN**

SUBJECT: Agricultural Production

LESSON SUMMARY: The production of plants and animals for food plays an integral role in the state and nation's economy. Students will gain a foundation and basic understanding of agricultural history, animal science, plant science and the tasks that must be performed to raise plants and animals.

OBJECTIVES:

- To gain familiarity with the growing of plants.
- To introduce students to the fundamentals of animal uses and care.
- The students will learn about the development of modern agriculture
- The students will discover the tasks required to produce crops and animals.

TOPIC	DISCUSSION ACTIVITIES	TIME
FARM AND LOCATION	Geographic Location How the Farm has Changed The Morris Canal Safety While on the Farm	10 minutes
ANIMALS	Kinds & Uses Characteristics & Sizes Care of Animals	15 minutes
PLANT & CROP MANAGEMENT	Crops Grown Uses for Crops Grown The Weather & Seasons Plant Growth Requirements Soil & Water Use Tasks Required to Grow a Crop Harvesting	15 minutes
FARM EQUIPMENT	Old Equipment Modern Equipment	10 minutes
MARKETING	Containers Size & Volume	5 minutes
BEEES	Pollination Honey Care & Handling	15 minutes
WRAP-UP	Discussion Questions Additional Experiences	20 minutes

EXERCISE:

1. List the various colors of crops grown on this farm.
2. Discuss the various aspects of care required in animal husbandry.
3. Discuss the variety of tasks needed to produce a crop.
4. Discuss the importance of bees and the role they play in agriculture.
5. Discuss how farm equipment has change over the last 50 years.

- HAPPY HOLLOW FARMS CONTINUED -

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RESOURCES:

Happy Hollow Farms

University of Arizona - What is Photosynthesis?

<http://photoscience.la.asu.edu/photosyn/education/learn.html>

Agripedia Livestock Nutrition -- Scroll down for drawing of ruminant digestive tract

<http://www.ca.uky.edu/agripedia/asc106/girumin.htm>

** Cattle Nutrition

<http://icdweb.cc.purdue.edu/~petersma/>

** Maryland Small Ruminant Page

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

** Ruminant Fact Sheets -- Parts I, II and III

<http://public.gov.nf.ca/agric/pubfact/livestoc/LSD037.HTM>

<http://public.gov.nf.ca/agric/pubfact/livestoc/LSD040.HTM>

<http://public.gov.nf.ca/agric/pubfact/livestoc/LSD039.HTM>

Oklahoma State Livestock Breeds Library

<http://www.ansi.okstate.edu/BREEDS/SWINE/>

Oklahoma State University - Breeds of Sheep

<http://www.ansi.okstate.edu/breeds/SHEEP/>

Oklahoma State University - Breeds of Livestock - Cattle

<http://www.ansi.okstate.edu/breeds/cattle/>