



## Frying Pan Farm Park

2709 West Ox Road, Herndon, VA 20171

Phone: 703-437-9101 TTY: 703-324-8563

[www.fairfaxcounty.gov/parks/fpp](http://www.fairfaxcounty.gov/parks/fpp)



A Fairfax County, VA Publication



703-324-3563

TTY: 703-803-3354

## The Milky Way: A Day in the Life of a Dairy Animal

Kindergarten Program Pre-Visit Activities

### Note to the Teacher:

Your kindergarten class field trip includes a 30 minute instructional program, reinforcing the following Virginia *Standards of Learning* for the kindergarten level:

- Science K.6

The program follows the daily life of a dairy animal, and includes an opportunity to milk a model cow and meet a real goat. The program includes a guessing game, identifying the quantity of food and water consumed, as well as the amount of milk produced by a dairy cow.

Prior to your field trip, we encourage you to share one or more of the following activities with your class:

1. Read stories about farm animals, specifying dairy animals, such as:
  - *Com*, by Malachy Doyle, illustrated by Angelo Rinaldi
  - *The Milk Makers*, by Gail Gibbons
  - *Beatrice's Goat* by Page McBrier, illustrated by Lori Lohstoeter

2. Lead a discussion about foods that children eat. Do animals at the farm, especially cows or goats, eat differently? What dairy products come from cows and/or goats?

3. Complete the Sample Packet Activity:

wool	corn	straw
sweet feed	hay	oats

Have the students identify the object in each packet. Identify the individuals and/or animals associated with each product (e.g, the person who produces and harvests the item, or the animals that produce, eat or use the product).

4. Ask the students what their favorite activity would be, if they were a cow or goat. Have them draw a picture of this activity.
5. Access the web site: <http://www.moomilk.com> for a fun-filled, virtual tour of the dairy industry.



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## The Farm Family

### First Grade Program Pre-Visit Activities

#### Note to the Teacher:

Your 1<sup>st</sup> grade class field trip includes a 1-hour instructional program reinforcing the following FCPS *Standards of Learning*:

- for the first grade level: History 1.1 and Geography 1.7
- for the second grade level: History 2.3

Program activities explore the traditional roles of the members of a farm family. Program leaders use a timeline to discuss the ways Fairfax County changed from the early 20<sup>th</sup> century to the present. “Compare and contrast” skills are reinforced throughout the program. The second half of the program includes hands-on activities implementing concepts discussed in the classroom.

Prior to your field trip, we encourage you to prepare the students by using one or more of the following activities:

1. Read stories about farm animals and/or farm families, such as:
  - *The Ox-Cart Man* by Donald Hall, 1979, Puffin Books  
(A Caldecott Medal Book)
  - *Emma's Lamb* by Kim Lewis, 1991, Candlewick Press
  - *Beatrice's Goat* by Page McBrier, illustrated by Lori Lohstoeter
2. Complete the Sample Packet Activity:

wool	corn	straw
sweet feed	hay	oats

Have the students identify the object in each packet. Identify the individuals and/or animals associated with each product (e.g., the person who produces and harvests the item, or the animals that produce, eat or use the product).

3. Conduct an activity in which the students draw a picture of a farm, a farm family, or some of the products that are grown on a farm.
4. Identify and discuss the roles of family members in a home. Everybody has important jobs to help their family (example: adults cook or shop, do the laundry, mow the grass; children help feed the pets, clean their rooms).
5. Access the web site: <http://www.moomilk.com> for a fun-filled, virtual tour of the dairy industry.



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## Mooving the Milk to Town

Second Grade Program Pre-Visit Activities

### Note to the Teacher:

Your 2<sup>nd</sup> Grade Class field trip includes a 1-hour instructional program reinforcing the following FCPS *Standards of Learning* for the second grade level:

- History and Social Sciences: 2.7, 2.8

The program compares and contrasts the development of rural and urban communities in Fairfax County and Washington D.C., from the early 20<sup>th</sup> century to the present. Students conceptualize the importance of human resources, natural resources and capital resources in developing the Floris community. A visual display assists in “mapping this program.” Students experience the interdependence of agricultural producers and urban consumers by playing the “Mooving the Milk to Town” relay game.

Prior to your field trip, we encourage you to prepare your students by completing one or more of the following activities:

1. Complete the Sample Packet Activity:  
wool                      corn                      straw  
sweet feed                hay                        oats

Have the students identify the object in each packet. Identify the individuals and/or animals associated with each product (e.g., the person who produces and harvests the item, or the animals that produce, eat or use the product).

2. Identify animals or crops produced on farms. What products do farms provide communities? What products do communities provide farms? If possible, have the children research the information.
3. Read stories about dairy animals or farm family life.
4. Access the web site: <http://www.moomilk.com> for a fun filled, virtual tour of the dairy industry.
5. Have the students write about a day in the life of a farm animal, from the animal’s point of view.



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From I-495: go west on I-66 to Exit 55, FFX County Parkway, Route 7100. Go north on FFX County Parkway approximately 6 miles, to West Ox Road. Turn left on West Ox Road, and proceed 1.4 miles to park entrance on the right.

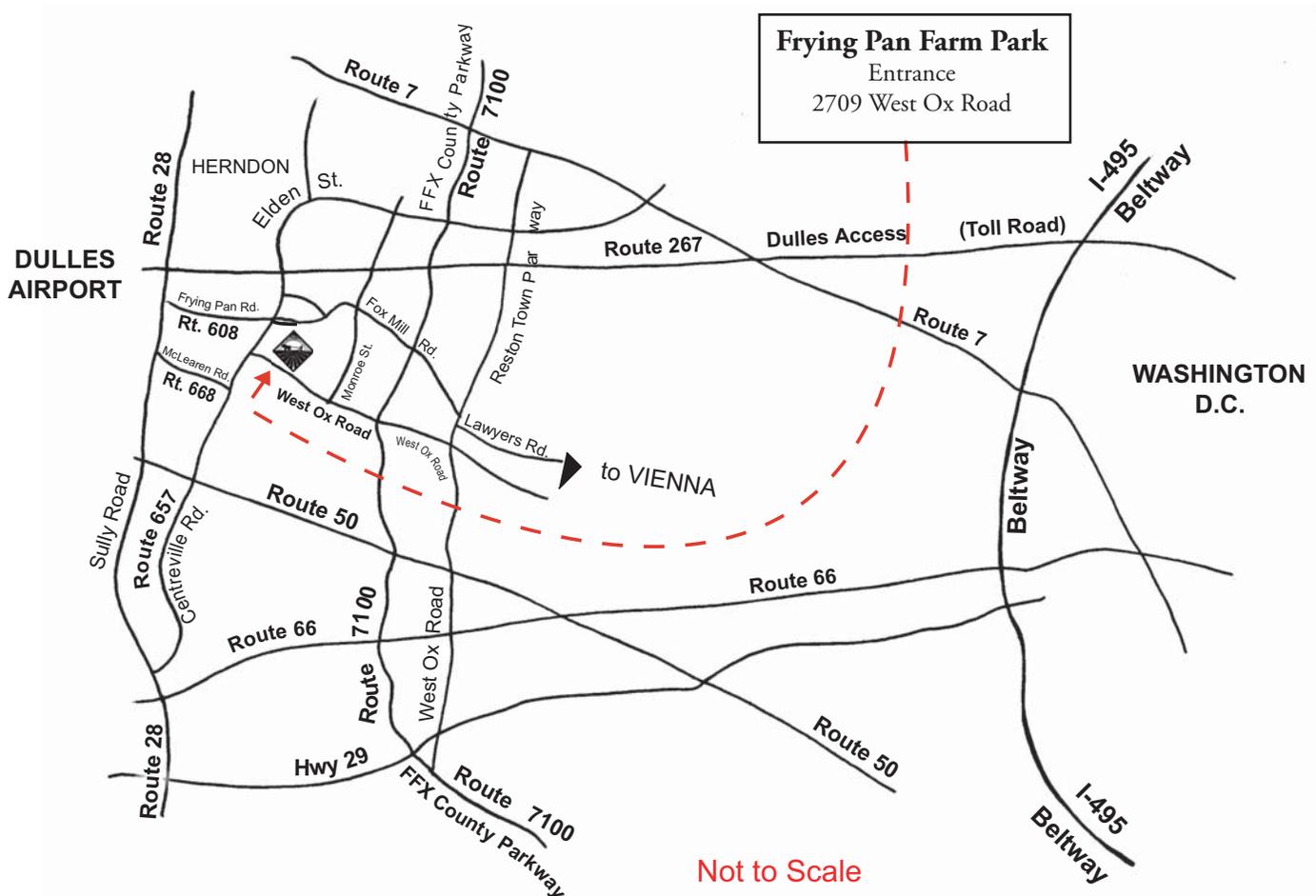
From I-66: take exit 55, FFX County Parkway, Route 7100, north 6 miles. Turn left on West Ox Road. Go 1.4 miles to park entrance on the right.

From Dulles Toll Road, Route 267: use Exit 10, Route 657. Go south on Centreville Road approximately 1.5 miles to left on West Ox Road. Continue to park entrance on the left.

Also from Dulles Toll Road, Route 267: use Exit 11, south on FFX County Parkway. Continue south on FFX County Parkway approximately 1.5 miles to West Ox Road. Turn right, and continue about 1.4 miles to park entrance on the right.

From Route 28: go east on McLearen Road, Route 668; left (north) on Centreville Rd., Rt. 657; right on West Ox Road to park on left.

Also from Route 28: go east on Frying Pan Road, Route 608; right (south) on Centreville Rd., left on West Ox Road to park on left.



Activity Center  
Indoor Riding Arena

TRAFFIC

CAR PARKING LOT

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Bus Unloading  
Zone

DMV  
Permit  
Parking

Info.  
Kiosk

Kidwell  
Farm

Walkway

Visitor Center &  
Main Offices

white  
house

Exit  
Bus  
Entrance

Map not to Scale

West Ox Road

3/07



### Frying Pan Farm Park

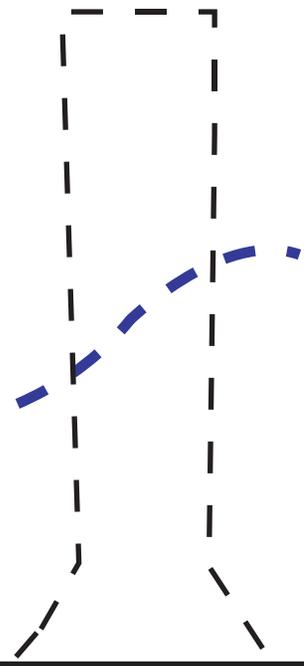
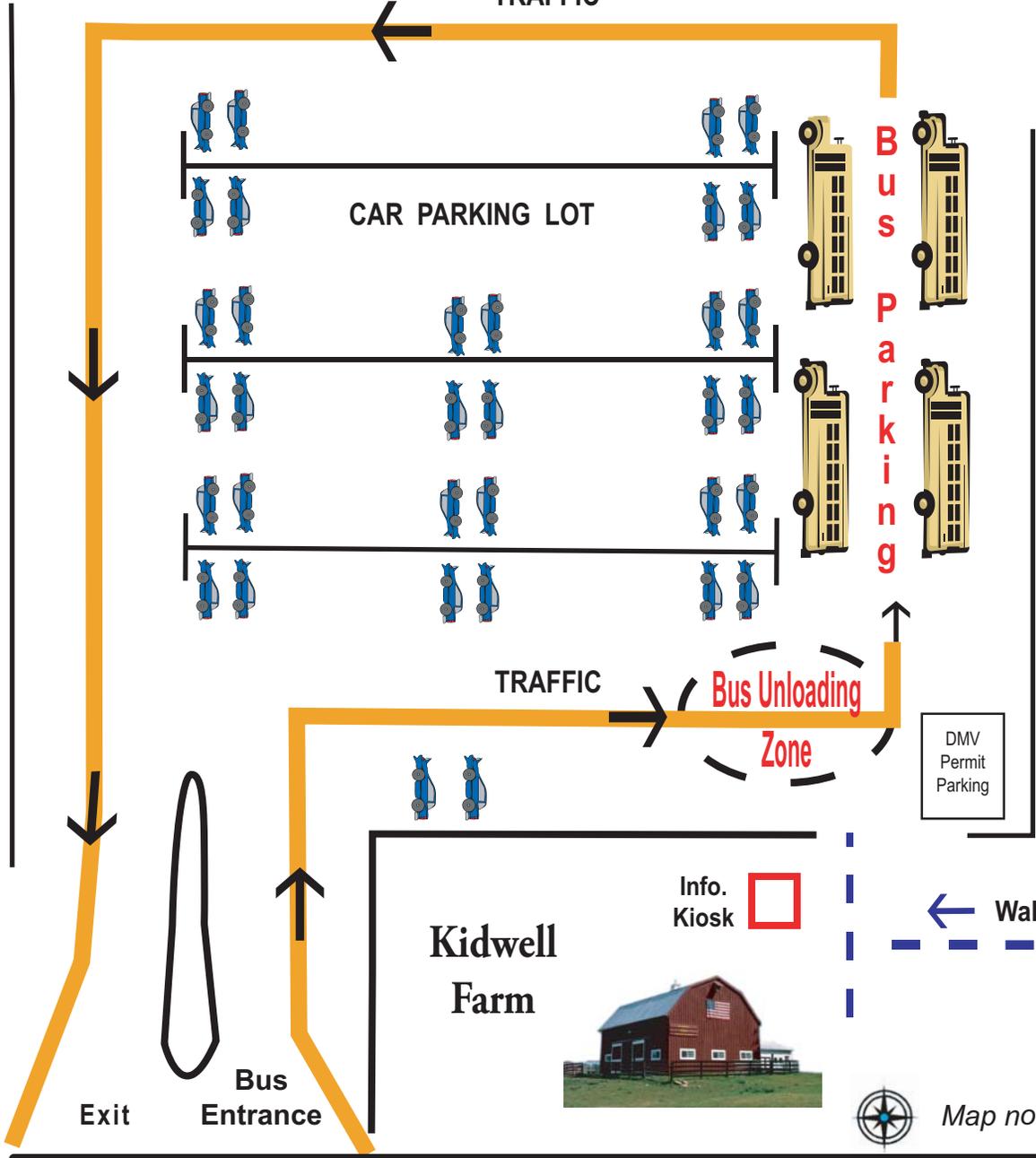
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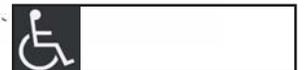
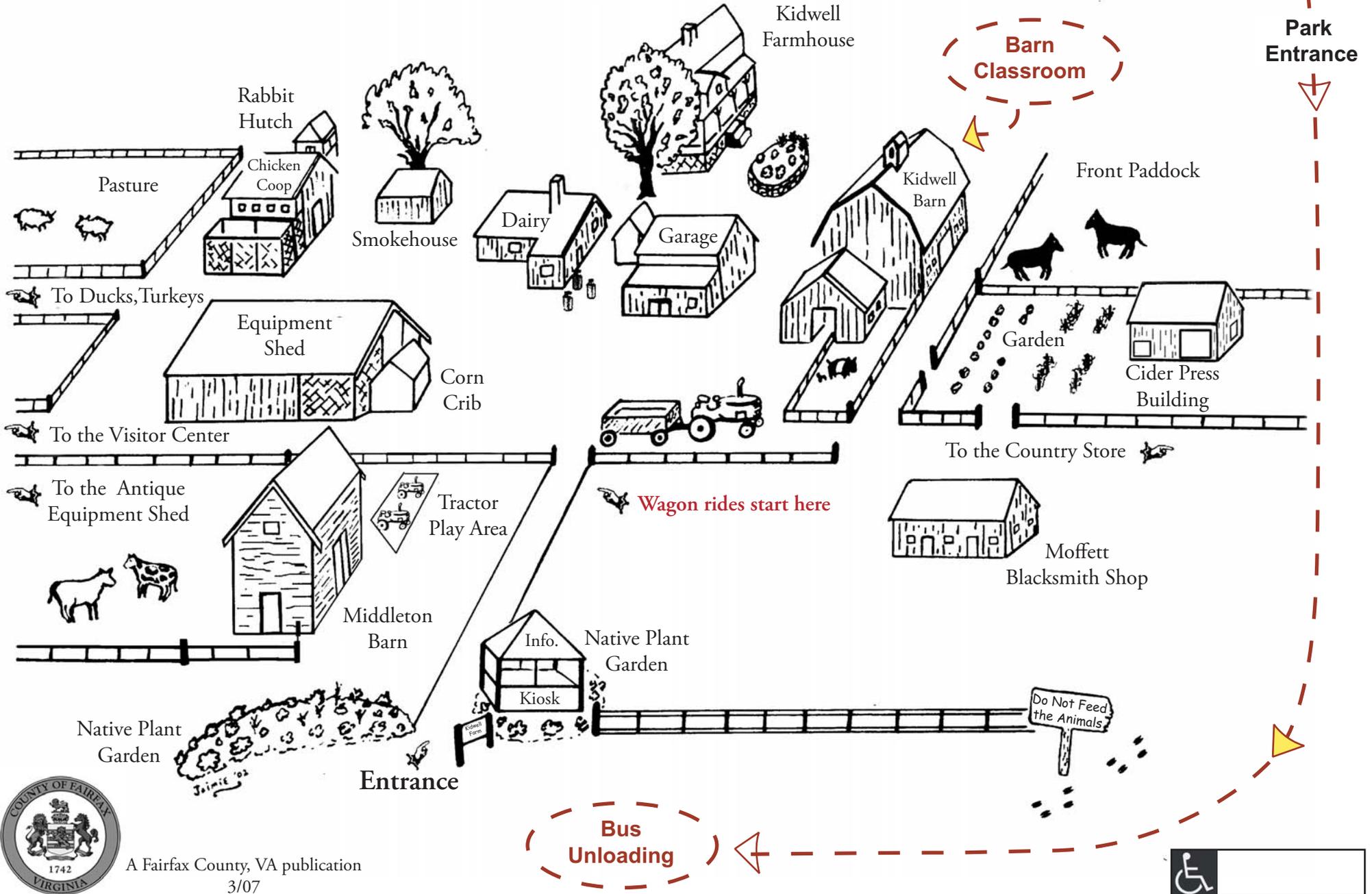
# Kidwell Farm at Frying Pan Farm Park

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Map not to Scale

West Ox Road





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## Add to your field trip: A Tractor Drawn Wagon Ride



**To inquire about available times and reservations, call 703-437-9101.**

**Frying Pan Farm Park** offers tractor drawn wagon rides to our visitors. Enjoy riding through and learning about the equestrian areas of the park, the woods along the stream, the crop fields, and Kidwell Farm. It's a journey back to the simpler life of Fairfax County's rural heritage.

- ★ Each wagon ride will last approximately 20 minutes.
- ★ Cost is \$3 per rider.
- ★ One teacher per wagon rides free.
- ★ Reservations require a minimum of 10 riders.
- ★ All reservations need to be made well in advance...rides book up early.
- ★ Otherwise, rides are on a "first come, first serve" basis.
- ★ Maximum: 30 people per wagon ride.
- ★ Make checks payable to FCPA (Fairfax County Park Authority).
- ★ Credit cards accepted (Visa & MC).



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### SAMPLE PACKETS



**CORN:** Field Corn is harvested for livestock when the corn on the ear becomes hard and dry, usually in October. (People prefer their corn more moist, so they harvest their corn in mid-summer.) Feed corn for farm animals is shelled (corn stripped off the cob) with a hand powered shelling machine. Practically every animal on the farm eats corn, but the farmer usually grinds it first. Whole corn (as you see in the packet) is hard for animals to digest, because of a thick “skin” around the kernel. It has to be ground, cracked, rolled or flaked, so the livestock can digest and utilize the nutrients.



**HAY:** Hay is made from a combination of several nutritious grass plants, such as rye, timothy, or orchard grass; and clover or alfalfa (leguminous plants which are like the livestock’s “vegetables”). The plants are allowed to grow very tall, and then they are cut at the base of the plants. The hay is left in the field to dry for 2-3 days, and then it is baled and stored in a dry place until needed to feed the animals. Grasses grown for hay, clover and first cuttings of alfalfa have very fine stems, leaves and seed heads which have lots of nutrients and are easy for livestock to digest.

**STRAW:** Straw is usually made from the dried stems of oats, wheat, barley or other grass plants which have highly nutritious seeds that are harvested especially for the seed or grain. The grains are harvested first, and then the left over stems, which are dry and more coarse, are baled and stored in a dry place until needed for livestock bedding. Straw spread on the floor of a stall helps keep the animals clean, dry and warm. Straw is cheaper to buy than hay.

**OATS:** Oats are seeds of oat grass which is harvested for its grain. People eat cooked oats like oatmeal, in bread or in oatmeal cookies. Cattle, sheep, goats and horses eat oats raw, as you see them in the sample packet. Oat grain is nutritious and easy for livestock to digest.



**SWEET FEED:** Sweet feed is a mixture of corn, oats, a protein supplement pellet and molasses, to make it taste good. It is fed to cows, sheep and goats. This type of feed adds variety to the animals’ diet and gives them extra calories and protein which is especially important during the cold winter months.



**WOOL:** Domestic sheep are bred with a genetic variation that causes their wool to continue growing, like human hair. The wool, or fleece, is cut in early spring, giving the sheep all summer and autumn to grow a warm coat before the cold winter. After shearing, the wool is cleaned, carded and can be used as batting to make warm comforters for people’s beds; or it is spun into yarn to make sweaters, coats, blankets or rugs. Wool is one of the most durable textiles available.



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*Add to your field trip:*

*Shopping at the*

## FRYING PAN COUNTRY STORE

*Let your students take the learning home!*

Educational Books

Toy Farm Animals

Toy Farm Tractors

Old Fashioned Games

Old Fashioned Candy Sticks

Ice Cream, Snacks & Drinks



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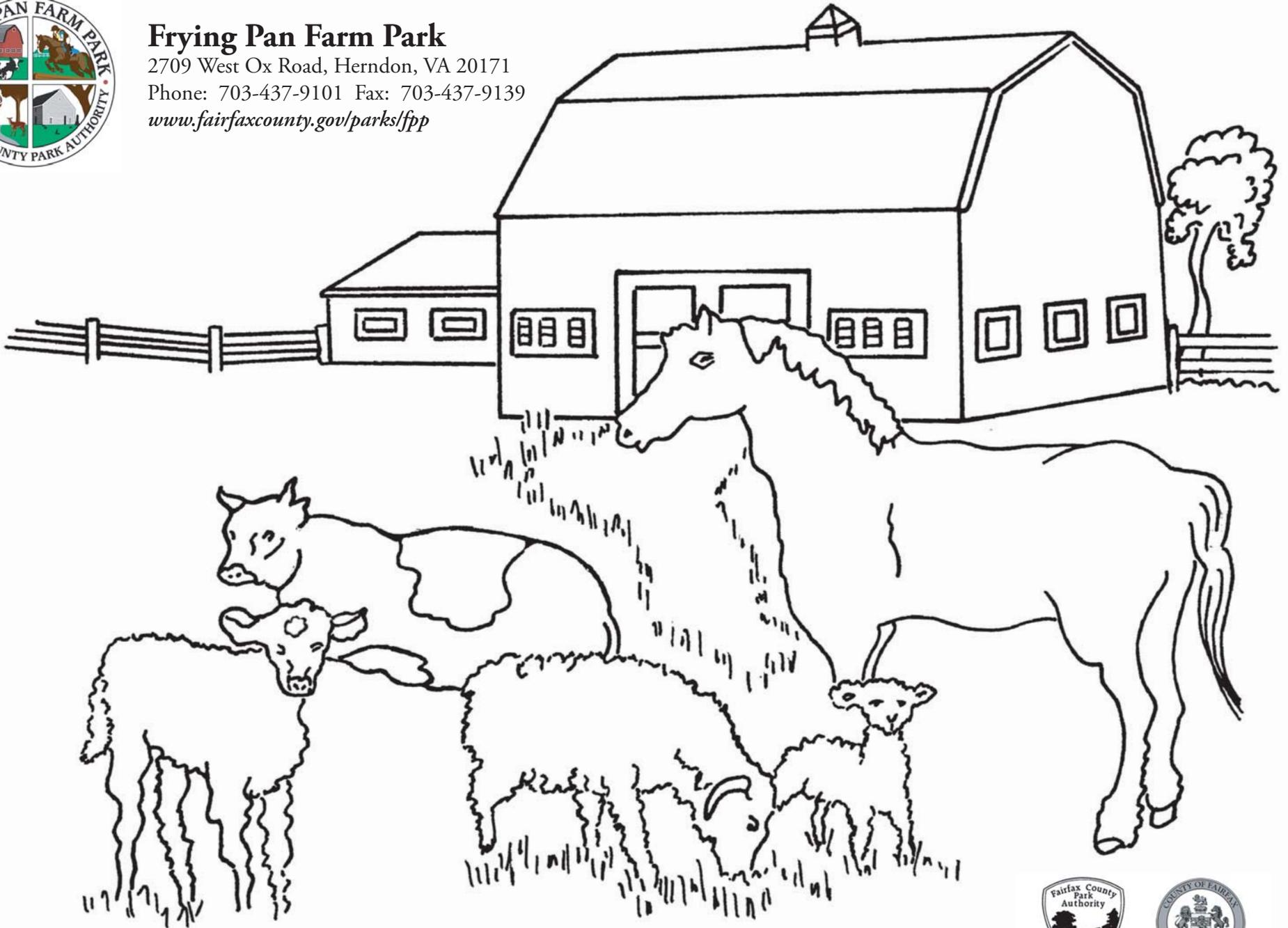


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