Welcome to Heartland Acres Agribition Center! Thank you for choosing us as your tour destination! We are pleased to have you and have prepared this tour guideline to help with the transition through the exhibits! If at any time you have any questions, please consult your nearest Heartland Acres staff member and they will be pleased to help you!

Please note, these displays are constantly changing. There are area markers throughout the display to explain your location. Please adjust the guide as necessary.

Modern Mechanics & More

To start your tour, you are going to learn all about how corn was shelled, ground, and sifted to use as livestock feed. The corn sheller is a devise that farmers would have utilized to take the corn off the cob. This shelled corn is then used to feed livestock. At this time, the children are able to actually do this themselves. Have them place their ear of corn into the sheller and then crank the handle. They will then have shelled corn. Have them gather this up and place into the hole in the middle of the grinder to then grind into fine flour. Once you have finely ground corn, take the product to the sifting station. Place the corn on top and begin sifting/shaking the sifter. The top layer can be thrown into the bucket. Remove the top layer and use the sifter with smaller holes to get out all of the large particles. Then you will be left with just flour. Once sifted you can then dump all of the corn products into your cup. We'll feed the animals these. You will also notice a large replica of the the Wapsipinicon Mill. At the Wapsipinicon Mill, the workers would have done this all for you. The Wapsipinicon Mill is owned by the Buchanan County Historical Society. The mill is also on the National Register of Historic Places and a Partner Site of Silos & Smokestacks National Park Area. Most summers the mill is open for tours May through September, however, this summer (2012) it is closed for restoration. They also give guided tours for school children and bus tours.

School desks, much like the ones in the schoolhouse are dispersed in various areas all over the campus. Please feel free to let the children color. There are coloring pages on the shelves under each desk. The blackboard in this exhibit came from Washington #1 country school (known locally as the county home school). This area is used as the "one –room school" house exhibit during the winter months. There is also a potbelly stove in this area. The stove was used for warmth by being heated with coal and wood.

Great Spaces

You will now begin your journey into the "Great Spaces" area. On the left side you will see what was used as a doctor's buggy. The doctor would use the buggy to make house calls for patients. The doctor

would also have to take their equipment with them. On display is equipment used by a doctor in Buchanan County. Next, you will find an antique saddle that belonged to Dr. Shellito.

Entrance to the Classic Car Museum represents an "old fashioned gas station." The service attendants used to pump the customer's gas, check their oil, and wash their windows; a full service station! Many of the artifacts located here are from Joe Skelly's in downtown Independence, Iowa. You will also find a Model A. This is on loan to the museum from the Lloyd Johnson estate.

Classic Car Museum

One of your last stops on their enlightening journey is through the "Cars of Yesteryear." As you enter through the double doors, cars of all colors will welcome you. First, take a look at the Jukebox. This is a 1958 working Jukebox. Feel free to play some "tunes", dance, and sing along! As you continue your travels through the showroom, every car will have a sign describing it.

In front of the Mural depicting downtown Independence: 1909 Sears Horseless Carriage Model K-Surrey with fringe on top

- Red 1957 Ford Thunderbird
- 1905 Cadillac
- 1951 Dodge sportabout
- 1921 Lincoln Touring Phaeton Model L Type 103 (left side)
- 1930 Studebaker Roadster (right side)
- 1929 Packard Deluxe 8 (right side)
- 1946 Chrysler Town & Country (left side)
- 1948 Dodge D-24 Custom (left side)
- 1958 Isetta (left side)
- 1912 Ford (left side)
- 1912 Red Ford Model T (left side)
- 1917 Maxwell owned by M/M Maxwell of Robins, Iowa (left side)
- 1910 IH autowagon (left side)
- Polaris Star racer (can also be used for snowmobile – left side)

Hall of Time

It is now time to head way back in time. You will now head upstairs. As you walk across the bridge, we like to believe, "we are walking across the bridge of the Mississippi River to Iowa territory in the 1830's."

At this stage in the tour, we have a "bird hunt," as well as a Heartland Acres Family member scavenger hunt. The children may complete the scavenger hunt if they wish. The birds will all be hiding out upstairs, as will the family members.

The "Timeline" on the wall indicates a major happening in the agricultural world during this era. Artifacts on display are owned by the Buchanan Co. Historical Society and were moved from "Gateway to the Past" at the county fairgrounds to their new home at Heartland Acres Agribition Center in 2007.

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There are a tremendous number of displays in this exhibit, so please feel free to look as long as you want. The artifacts are very unique and will give you an opportunity to look at agriculture from the past. Be sure to look high and low, because some of the exhibits may be hiding!

There are several activity centers upstairs. There are coloring stations and quilting sections for the children to complete if they wish to. The kiosk stations are always a great learning tool as well. Once you have made your trip through the exhibits proceed back downstairs to your next stop on the tour.

Outdoor Animal Exhibit

You have elected to "help" and watch with the day's outdoor animal activities, "Feeding Time!" Don't worry you won't get dirty! The goal of this exhibit is to show our visitors how animals interact with one another, their lifestyles, and how farmers care for their animals. We have one bottle calf, named Princess, her mother had twins and was unable to care and produce enough milk for both animals. She was rescued by two of the Heartland staff and brought to her new home. Jerry, our caretaker, loves all of the animals so be sure to offer to help Jerry out by taking turns holding Princess' bottle if it's time for her to eat. The ground corn you made earlier can now be fed to these animals! Please be sure to ask Jerry which animals you can feed and take many pictures!

We have just about every type of farm animal on the campus. You will see pigs, ducks, chickens, goats, and a few more surprises! Be sure to ask Jerry if you can see Tony!

Schoolhouse

You will follow the gravel path to the schoolhouse. On your walk, be sure to look for the other animals, especially Tony. You will now be entering an original one-room schoolhouse from 1869 used in Fayette County, Iowa. This may be an opportunity for you to discuss the difference between their school and how things were at one time. When the school was in use, there were two doors: one for boys and one for girls. As you probably know all eight grades were in this school with one teacher. While in the schoolhouse on the teacher's desk, there is a list of rules for what the teacher could and could not do in 1915. The children are more than welcomed to explore, but please make sure they are on their best behavior as this is a very old facility. You may also warn them there is a Dunce Hat in the schoolroom. This was used to discipline children when they acted up. They had to put the hat on, turn their back to the desks and put their nose to the wall. Doesn't sound like much fun! On the east side of the schoolhouse there is a bell outside they may ring. The large bell is from the first high school in Independence: Washington-Emerson.

Machine Shed

Your next visit will be to the Machine Shed. Follow the gravel path back the way you came, towards the outdoor livestock exhibit. You will enter the small walk-in door on the east side of the building. We have quite a large collection of antique tractors in this building. The tractors may move around periodically, but there are always signs next to each one describing what they are. To help with descriptions, we have tried to lay out the tractors to help you with the description process.

Starting at the right side:

John Deere Gas Engine 1934

Sherman-Smith 4hp gas engine mfg. Stanley, Iowa (#2 in collection)

Horse drawn 'Hay Tedder"- used to turn cut hay as it lies in meadow. The main wheels contain a gear wheel driving, through the medium of pinions, cranked shafts carrying forks. Each fork is connected at its center and at its end to a crank upon the upper, and one upon the lower, shaft. The motion of the forks is closely similar to that performed by hand in tossing the hay.

John Deere 730 gasoline tractor 1959

Threshing Machine – on display outside (2 murals would show how machine would be working & crew)

John Deere 60 with power steering

Rumley Oil Pull 2 cylinder 1917-24 (was in 2007 4th of July parade)

Robinson manure spreader Vinton, Iowa

2 cylinder drag log saw 1923 Ottawa Mfg. Co.

BIG BUD – 747: YOU MAY SIT IN THE TIRES FOR PICTURES!

Detroit Diesel 2-stroke Engine, 16 cylinders, 1472 cubic inch displacement (24.14L) Left the factory at 760 horsepower, was increased to 900 in CA, and has been updated to 1100 hp. The transmission is Twin Disc, similar to transmissions used in military vehicles and haul trucks. 8 unique tires from United Tire of Saskatchewan. 38-35 16 ply tires. 95.8 inches *8 ft.) diameter. Mold was destroyed by fire….there are no tires available to replace these. In 1977, the Big Bud 16V-747 sold for $300,000. In 2009, the Bug Bud Co. estimated that Big Bud 16V-747 had 8250 hours of use. From 1969 to 1991, over 500 Big Buds were built. Sizes ranged from 250hp to 740hp. There is only **ONE** Big Bud. This is **IT**, the largest tractor on the planet.

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Big & Small Tails

Your journey will now take you inside. Go through the door on the West Side of the building. You will now enter the land of big and small tails. This exhibit depicts animals of all shapes and sizes. On the right hand side of the building, you will notice the "Can you Talk with the Farmer?" board. Encourage your students to play with these items. It's a great way for them to be able to learn some agricultural vocabulary.

You will also notice the next "hands-on" activity, the scale. If the children are going to use these, please make sure they use the black, upright one; the red one and the small floor scale are antiques and can very easily be broken. Please make sure the children **DO NOT** stand on these.

Following the room, you will see the chicken and incubator display. These are antique incubators. Be sure to read up on the incubator history! Eggs had to be hand turned every 12 hours. We have a small electric one and have previously hatched pheasants, ducks, and chickens. While visiting the outside livestock exhibit you were able to see some of our newest hatches! There is also an egg washer to wash off any poop.

On the opposite side of the room, you will find the dairy cow section. The children are allowed to try out the butter churn. Long before you could buy butter in a grocery store, people made their own

butter. They would use heavy cream and constantly turn the churn until the liquid turned into a solid; then they had butter!

If you haven't already "lost" your children to the cows, this will be your next stopping point. Daisy is used for a photo opportunity. Yes, the children may take turns sitting in her and taking pictures! Don't worry, she is very friendly! Our other upright cow, Bessey, is an actual working milk cow. They kids can take turns milking her. Finally, if they want to "try their hand" at being a real dairy farmer they can take a picture in the cut out display.

As you say good-bye to your new, "cow friends" you will next discover another one of our hands-on activities, the Pioneer-sponsored, My American Farmer kiosk. This interactive unit allows kids the opportunity to play games, with an agricultural spin. Each game also has some educational component, such as, mathematics, science, geography, etc. This is one of our new exhibits so please encourage your students to partake!

The next, eye-catching wonder will be the large windmill. This majestic wooden sculpture is a 1900 Monitor Vaneless (no rudder). It is the same design as the ones in the 1870's. A grant from Silos & Smokestacks was received to allow for reconstruction. There are only 24 of this type known in the U.S. Many were lost in 'scrap drives' for the war efforts in WWII or the wood rotting with neglect and falling apart.

You will then see the wooden wagon. There is a 'bang board' for handpicking corn. You will see the gloves on the sides of the wagon, as well. *Did you know corn pickers used to have two thumbs?* Be sure to read the description, to find out if this is "Fact or Faked."

You will then stumble upon a kiosk. This kiosk teaches you all about the different animal's noises. Your students should be pros at this by now, but go ahead and try it! Who doesn't love the sound of animals?!?

While visiting this area, be sure to look at all of the water pumps! We have some of every color! You will also find a miniature 'sorghum mill' made by Jim Martin Sr. This is a replica of the mill from North of Winthrop.

Theater

You have reached your final destination, the theater. You may enter the theater to watch the video either on Big Bud or Heartland Acres. You may also use this area as a chance to regroup and have discussion before leaving the premises.

We hope you enjoyed your time here at Heartland Acres! Enclosed you will find a survey card. Please complete this short survey before leaving! We value everyone's experience and with your feedback, we can strive to make Heartland Acres even better! Thanks for coming out!

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