★ 2016 ★

EDUCATIONAL EXPOSITION

FIELD TRIP PLANNING GUIDE

September 23 – October 2

Gates open at 10 am

STATE FAIR
OF VIRGINIA AT THE MEADOW

TEACHERS!
Plan your field trip to "Virginia's Largest Outdoor Classroom"

we're game for education

Presented by the Virginia Lottery

EXPERIENTIAL LEARNING AWAITS YOU AT THE 2016 STATE FAIR OF VIRGINIA!

Dear Educator:

If you have conducted field trips to the State Fair of Virginia's Educational Exposition, welcome back!

If this is your first field trip to the Ed Expo, we're delighted you saw the academic value of this event, and we hope this guide helps you plan your visit to "Virginia's Largest Outdoor Classroom"!

Please review all directions prior to arrival at the State Fair, and feel free to call with any questions or concerns. Our goal is to make your field trip as hassle-free and enjoyable as possible. This planning guide will help you offer structured learning experiences to elementary, middle and high school students.

Our Mission

To increase agricultural and natural resource awareness, interest and education in Virginia through programs, exhibitions and competitions integral to the operation of the State Fair of Virginia.

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Look for the SOL icon throughout this guide to learn how specific stops relate to Virginia's Standards of Learning.

Stay up to date all year: **StateFairVa.org**

Thank you for helping us preserve natural resources by printing this guide only as needed!

STANDARDS OF LEARNING

The Educational Exposition at the State Fair of Virginia is designed to educate our youth about all the commonwealth has to offer, in a setting unlike any other. "Virginia's Largest Outdoor Classroom" provides students an opportunity to see Standards of Learning come alive and experience agriculture, history, technology and natural resources firsthand.

Specific SOL correlations are identified in this guide for individual Ed Expo Stops. When at the fair, look for signs placed near the corresponding Ed Expo Stops referred to in this guide.

In addition to the SOLs listed with the Ed Expo Stops, the State Fair provides an opportunity to demonstrate in person any number of SOLs to your students.

Elementary school students could:

- Identify recycled or reused materials in Fair exhibits or displays (HE 1.7, S K.10)
- Talk about the importance of hand-washing in disease prevention (HE 2.3)
- Look for meaningful patterns or symbols in the State Fair quilt show (VA 1.14)
- Carry pedometers to collect data on how far they walk around the fair (PE 5.4)
- Create their own map of the fair (H&SS 2.6)

Middle school students could:

- Critique art entered in competitions at the fair (VA 8.19)
- Discuss the watershed that includes The Meadow Event Park (S 6.7)
- Calculate the sales tax on a potential purchase (M 7.4b)
- Write a creative short story based on their visit to the fair (E 6.6, E 7.8, E 8.8)
- Listen to a musical show and discuss characteristics of sound (PS.8)

High school students could:

- Identify genetic characteristics of different cattle breeds in Young MacDonald's Farm (LS.13)
- Measure and see principles of physics at work on midway rides (PH.4, PH.12)
- Develop an electronic ad for the State Fair (C/T 9-12.9)

State Fair of Virginia Emergency Action Plan

The State Fair of Virginia operates under the State Fair Emergency Action Plan, which was developed under the guidance of the fair's Emergency Management and Safety Team for security, fire and emergency medical services. The fair works in conjunction with state, local and private organizations to maintain a safe and positive environment.

In case of an emergency that may require evacuation from the fair facilities, all students will be returned directly to their schools. The State Fair will immediately contact school officials to notify them of the students' return and expected time of arrival.

YOUTH COMPETITIONS

4-H/FFA Competitions

Friday, Sept. 23:

- FFA Small Engines Troubleshooting, Livestock Pavilion 2
- 4H and FFA Dairymen's Contest, First Bank & Trust Company Pavilion (Cattle Building)
- FFA Tractor Troubleshooting, Livestock Pavilion 2
- 4H Lawn Tractor Safety contest, Livestock Pavilion 2

Tuesday, Sept. 27:

- Forestry Field Day, Natural Resources Area

Wednesday, Sept. 28:

- FFA Agriscience Demonstration, Livestock Pavilion 2
- FFA Horticulture Demonstration, Livestock Pavilion 2

Thursday, Sept. 29:

- 4H and FFA Crops Judging, Livestock Pavilion 2
- 4H and FFA Junior Foresters, Livestock Pavilion 2

Friday, Sept. 30

- 4H and FFA Agriscience Research Poster, Livestock Pavilion 2

State Fair Competitions

Get involved—encourage your students to be part of the fair! The youth arts & crafts and baked good competitions are another great way to showcase the talents of your students. For competition information and online entry, visit **StateFairVa.org**.

The 2016 school/class entry deadline for arts & crafts is September 9. Look for 2017 competition information next summer at **StateFairVa.org**.

FFA and SkillsUSA information is available on those organizations' websites.

SkillsUSA Competitions – Sept. 26

SkillsUSA is the organization for students in technical, skilled and service career, including health careers. Formerly known as Vocational Industrial Clubs of America (VICA).

Being a SkillsUSA members is all about being a champion. This means much more than winning a contest – it's the attribute of dedication to personal and professional excellence.

SkillsUSA Day is about students showcasing their new entry level skills. Contests range from fifteen minutes to three hours. Awards ceremonies will be held in each contest area. Business and industry sponsors supplies the judges, supplies and some prizes. More information please visit www.skillsusava.org

SOL

English: 10.1, 11.5, 11.8 and 12.1
Math: 2.11, 3.9, 5.8, A 11, and G 14
Science: CH 1, CH 6, PS 1 and PS 11
Virginia Studies: VS 10

Contests	Start time	Location
Auto Body	11 am	Livestock Pavilion 2
Auto Service	11 am	Livestock Pavilion 2
Carpentry	11 am	Livestock Pavilion 2
Cosmetology – Fantasy Manikin Comb-out	12:30 pm	L ivestock Pavilion 3
Cosmetology – Manikin Comb-out	11 am	Livestock Pavilion 3
Cosmetology – Nail Care	11 am	Livestock Pavilion 3
Cosmetology – Total Fashion Look	12 pm	Mansion
Culinary – Cake Decorating	10:30 am	Livestock Pavilion 3
Culinary – Knife Skills	12:15 pm	Livestock Pavilion 3
Electricity	11:30 am	Livestock Pavilion 2
HVACR	11:30 am	Livestock Pavilion 3
Job Demonstration	10:45 am	Livestock Pavilion 3
Masonry	11 am	Livestock Pavilion 3
Promotional Bulletin Board	11:30 am	Livestock Pavilion 3
Welding	11:30 am	Livestock Pavilion 3

IMPORTANT FIELD TRIP INFORMATION

Arrival—Please read carefully!

- **All buses, vans and cars with school children coming for the Educational Exposition must enter Gate 7, on the left off of Meadow Farm Road, and proceed to the Bus Parking area (Lot B).**
- Private vehicles/cars containing parents or extra chaperones must enter Gate 8, on the right off of Meadow Farm Road, and park in Lot C. There is no charge for parking. Parents and chaperones who park in Lot C can meet their group at the main ticket plaza before entering the fair. This is the teachers' and parents' responsibility to coordinate.
- Gates open at 10 am

Getting Credentials

This process will take place in Lot B

1. To expedite securing credentials, the lead teacher with Confirmation Letter and payment should disembark the bus prior to parking and proceed to the Ed Expo Check-In. Ed Expo volunteers will review the Confirmation Form, adjust student numbers if necessary and direct the lead teacher to the Ticket Window.
2. Teachers are to collect ALL monies for any extra chaperones and ride wristbands.
3. At the Ticket Window, the lead teacher will present the approved credentials and make payment for the group. Meet class in the Holding Area, and proceed to the Ticket Plaza to enter the fair.
4. While the lead teacher is securing credentials, the other teachers and chaperones should bring the class to the Holding Area.
5. We encourage students to leave backpacks on the bus, as all bags are subject to search at the gate and this can slow your students' entrance to the fair.

Admission

- Teachers must register their classes prior to arrival at the fair.
- Ed Expo special ticket price: $5 admission per student (the most affordable way for students to visit the fair!)
- One chaperone for every eight students is admitted free of charge.
- Additional chaperones must purchase a $12 adult admission ticket (does not include rides).
- Contact Ed Expo Coordinator Betsy Foster at 804-994-2752 or edu@statefairva.org for special needs.
- Bus drivers are admitted free of charge.

Rides

- Standard Ride Ticket Prices: $1 per ride ticket (Rides require 2-6 tickets) or 25 ride tickets for $20. May be purchased at Ride Ticket Booths inside the fair.
- The public price for one-day Unlimited Ride Wristbands is $25. The Ed Expo price is $15 on any field trip day when purchased at the Ed Expo/ Competition Ticket Windows by Lead Teacher paying for all those in the class who are riding. Students who purchase the wristbands inside the fair will be charged the regular $25 price.
- Unlimited Ride Wristbands are good on day of purchase only and for one person only

Payment Options

- Teachers will have the option to present one payment at Ed Expo Ticket Window for admission and ride wristbands and receive both at the gate (This eliminates the need to visit Ride Ticket Booths once inside the fair).
- At the Ed Expo Gate, checks, cash or credit cards (Visa, MasterCard and Discover) are accepted.
- Cash is accepted at all Ride Ticket Booths inside the fair, and select booths also accept credit cards (Visa, MasterCard and Discover).
- Please do not mail checks in advance.

Hand Stamps

In order for anyone to re-enter the grounds after exiting, they MUST have their hands stamped. This stamp is accepted for re-entry at the Ticket Plaza only, between the hours of 10 am and 5 pm on the same day.

GETTING AROUND THE FAIR—PLEASE READ CAREFULLY!

Upon arrival, we recommend that you start your visit in the agriculture area. One way to plan your visit is to follow the numerical order of locations on the maps.

Be Prepared

Wear comfortable walking shoes, and be prepared for inclement weather.

First Aid Station

The First Aid Station is located on the north side of state Route 30, off Festival Loop, across from the entrance to the Natural Resources Area. First aid staff are always on duty.

Lost Child Center

Instruct students to find a police officer if they become separated from the class. Found children will be escorted to the Lost Child Center (See map).

Restrooms

All restrooms are clearly marked on the map. Restrooms are available near the Ticket Plaza once you enter the fair.

Water Fountains

Water fountains are located in the Farm Bureau Center and Meadow Pavilion near the restrooms.

Hand-Washing Facilities

These are located in the midway, equine and agriculture areas. All restrooms have lavatories. For your safety, the State Fair recommends that you and your students wash your hands every time you exit an animal or midway area and before eating.

Lunch

School groups may bring lunches to the fair. However, if you and your class prefer to purchase lunch, food vendors are located throughout the grounds for your convenience.

Elementary Level Lunch

An area near the Ticket Plaza will be available for elementary students to have lunch. If you wish to store class lunches in a specific area, see Betsy Foster upon arrival at the Ed Expo entrance.

Members of the General Federation of Women's Clubs of Virginia will be assisting at the school gate. We thank these volunteers for 30 years of service to the Education Exposition and for their support in educating the youth of Virginia.

Teacher Organizational Tips

- Review plans and learning objectives with class and chaperones prior to arrival.
- Review instructions and Ed Expo route; locate First Aid Station and Lost Child Center on map.
- We encourage students to leave backpacks on the bus, as all bags are subject to search at the gate and this can slow your students' entrance to the fair.
- Have elementary children all wear the same color shirt.
- Ask students to bring a bag lunch and drink.
- Coordinate lunch activities with chaperones prior to arrival.
- Inform Ed Expo Coordinator Betsy Foster of students with special needs—804-994-2752 or edu@statefairva.org.
- Create chaperone packets with list of students in group, copy of map and supplies (adhesive bandages, pencils, tissues, etc.)
- Use the 2016 Online Resource Directory and 2016 Field Trip Guide as learning/classroom tools.
- For younger students, have a phone number for a contact person on each child's clothing or in his or her pocket (Masking tape on the inside of a shirt collar works well).
- Preschool and Elementary School Teachers: Prior to arrival, prepare the provided child ID wristbands by marking the inside of each band with the cell phone number of the person responsible for each child in your group while he or she is at the fair. Please do not write children's names anywhere on the bands! Additional wristbands will be available at check-in.

2016 EDUCATIONAL EXPO STOP GUIDE

1

MEADOW PAVILION

This is your one-stop shop to learn about Virginia's agricultural commodities in an indoor environment that will be transformed into an agricultural showcase.

Agriculture in the Classroom and Farm Bureau Field

Overview:

What do crayons and candles have to do with soybeans? Can a coffee mug really be made from corn? Where will you find maple syrup farms in Virginia? Find the answers to these questions and much more when you come and explore the wonderful world of Virginia commodities and learn how Virginia products impact your life each day. Students and adults will enjoy testing their knowledge by matching products to their source and exploring the regions where they are grown.

Additionally, students will have the opportunity to learn more about dairy and even try their hand at milking a cow! You can also meet a farmer and learn about how they work to provide you with safe and nutritious food. End your tour stop with a picture in front of our scenic farm backdrop and have a great picture to remind you that food begins on the farm.

SOL

Science: 3.10, 3.11, 4.9
Social Studies: 2.7, VS.2

Objective:

The student will be able to:

- Identify Virginia products and correctly match commodities and by-products
- Identify Virginia regions and match products that are grown/raised in each region

To learn more about AITC's resources, including how you can support AITC visit us online at AgInTheClass.org or find us on Facebook at Virginia Agriculture in the Classroom.

Stop and smell the honey at the beekeepers' exhibit

Come see the products of a honeybee hive at the Virginia Beekeepers' exhibit.

Virginia beekeepers will be on hand to talk about the importance of pollination for our food supply, demonstrate the components of the honeybee hive and show fairgoers how honey is harvested and extracted. There will be a Honeybee Observation Hive as part of the daily exhibit. Can you find the queen? They also will encourage fairgoers to "BEE A Hero!" by growing plants and trees that are beneficial to honeybees.

Come see the "Cadillac" of peanuts

The first commercial crop of peanuts in the US was grown in Virginia in Sussex County in 1842. Peanuts are grown in eight counties in Southeastern Virginia, where the sandy soils and climate are instrumental in achieving the size and flavor that Virginia type peanuts are known for. Due to their large size, Virginia peanuts have acquired the reputation of being the "Cadillac" of peanuts. The uses for the peanuts grown in Virginia are varied, from world renowned gourmet peanuts to roasted in shells to peanut butter. Representatives of the Virginia Peanut Growers Association will have live plants on display as well as plants just dug from the field. The exhibit will show the steps farmers take in order to grow one of America's most nutritious and popular snack foods.

Lavender Fields Herb Farm

Stop by Lavender Fields Herb Farm to see and taste locally grown USDA Certified Organic Herb & Vegetable plants. Learn about different ways of growing healthy plants and using fresh homegrown ingredients. Don't miss out seeing our

pizza garden along with our containers to display the many different ways herbs are used in everyday products. Take home a handout with recipes, a plan to create your very own herb garden and a fun herbal word search.

Virginia Christmas Tree Growers Association

The Virginia Christmas Tree Growers Association will have a decorated fresh-cut Christmas tree, fresh wreaths and information on where you can find fresh Virginia-grown trees this holiday season.

Be sure to stop in and visit to learn about the expansion industry. Some facts you will learn include:

- It can take as many as 15 years to grow a tree of average retail sale height (6 feet), but the average growing time is 7 years.
- Real Christmas trees are an all-American product, grown in all 50 states, including Alaska and Hawaii. Virginia ranks 7th in Christmas Tree production.
- Real trees are a renewable, recyclable resource.
- There are about 1 million acres in production for growing Christmas trees. Each acre provides the daily oxygen requirements of 18 people.

Virginia Tobacco Board

Today, tobacco continues to play a significant role in Virginia's economy. Virginia farmers raise three tobacco types; flue-cured, burley and dark-fire. Tobacco production is concentrated in 34 counties in southern Piedmont and Southwest regions. Danville, Richmond and other communities continue to have important roles in tobacco markets and tobacco product manufacture.

Other exhibits in the Meadow Pavilion will be sponsored by the following agriculture organizations:

- Virginia Cotton Growers' Association
- Virginia Department of Agriculture and Consumer Services (Virginia's Finest)
- Virginia Farm Bureau Federation
- Virginia Grain Producers Association
- Virginia Pork Council, Inc.
- Virginia Pumpkin Growers Association
- Virginia Soybean Association

2

HORTICULTURE PAVILION

Visit the youth crops and vegetables competitions! Students might see vegetables that they like to eat, some that they don't and possibly some they have never seen before! Kids from 5 to 18 can enter a crop such as peanuts, cotton or field corn; enter vegetables like cucumbers, tomatoes, curly kale and potatoes; or enter fruits such as apples, pears and melons. Students can even see entries in the Mr. Potato Head Contest, which features creatively decorated potatoes! This is a great way for students to experience agriculture in Virginia.

Giant pumpkins and Giant Watermelons

Come see just how big the biggest pumpkin and watermelon are at the 2016 State Fair of Virginia. Both can be found in the Horticulture Pavilion. Growing really large pumpkins and watermelons requires the right seed, about 2,500 square feet and shade from the sun. The fair's 2015 record-setting pumpkin weighed 1,340.7 pounds!

SOL

K.7, 1.4, 4.4, 4.9

Master Gardeners

Visit the Master Gardener booth inside the Horticulture Pavilion to learn about evaluating your habitat and how to make a difference to the environment and our ecosystem. See how to make your landscape a "smart yard". Visit hanovermastergardeners.org and Vmga.net for more information.

3

STUDENT GARDEN COMPETITION

Come see the gardens that high school students from across the state have installed. The theme for this year's Student Garden Competition is "Blue Ribbon Moments." Horticulture students design and install these gardens, which are always a highlight of the Ed Expo. Students are competing for premiums, scholarships and bragging rights.

4

PIGEON AND DOVE EXHIBITS

Doves and pigeons are some of the best-known birds on the earth. What many people do not know, however, is that these birds are technically one and the same. Ask the owners in the tent about the difference; they have all kinds of birds, from the fancy fantail pigeons to the sleek racing homing pigeons.

5

HERITAGE VILLAGE

Walk back in time, and explore the changes in technology and lifestyles that have taken place in America.

Machinery and engines – Mechanical power and industrialization transformed agriculture, domestic culture and transportation with great speed. See the technologies that launched Americans into the 20th century, collectors' antique tractors and early gas engines.

Blacksmith – See period farm tools being made.

Flour/Corn meal – See corn kernels turned into cornmeal, and see wheat turned into flour. Ask what other grains are used for human consumption, as opposed to livestock feeds.

Shingle mill – Watch cedar logs being turned into shingles for the roofs of buildings.

Violin Maker – Stop by and witness a true craftsman as he makes violins by hand.

Civil War Encampment – Speak with the soldiers representing the 1860s and life in a Virginia Civil War encampment. Ask the soldiers and camp followers about their daily lives and hardships. The encampment also showcases typical life on the battlefield, types of transportation, weapons, bullet making, rifle loading and firing, sleeping quarters, hospital supplies and cooking.

Salt Maker – Come experience salt making demos with Jim Boardwine from Saltville, Virginia. Saltville, located in the mountains of Southwest Virginia has been producing salt for hundreds of years. Most folks today think of modern salt mines located in the north and west of the country. These were not possible in Virginia so locals would find a saltlick. A saltlick is a place where salt naturally occurs. Its mixed in the dirt, undetectable by the eye, but wild animals could smell it. They would dig and paw at that place and lick the dirt to get the salt. The old hunters would find these places and dig a hole, the ground water would soak up the salt and fill the hole. They would then harvest the salty water and boil it in cast iron kettles. Daniel Boone used this process in Kentucky for the settlers.

Visitors will have an opportunity to experience this process first hand through period demonstrations using an old kettle like the pioneers used back in the 1850's.

Woodwright – Experience a mid 1800's traveling woodwright shop, housed in a period canvas workshop, complete with a rope bed and a 'raveling trail kitchen. This is a working demonstration consisting of a 5' diameter great wheel lathe, a spring pole lathe, a shaving horse, workbench and period tools. You will see how logs are transformed into furniture, tools and other useful items. The objectives of this exhibit are to illustrate, demonstrate, and to educate the public in the daily efforts to survive in early America.

SOL

SOLs: VS.1b, 1e, 1g, 7b, USI. 1b, VUS.1a, preferred for grades 4, 5, 7 and 11

6

YOUNG MACDONALD'S FARM

This exciting experience includes many of the animals found on a typical Virginia farm. Your class will see:

Sheep—Not all sheep have wool. Stop in and see the hair sheep and other breeds.

Baby Ducks on the famous duck slide

Geese, Ducks, Turkeys, Guineas and Chickens

Breeds of Beef and Dairy Cattle – See what makes them different.

Rabbits—All rabbits are not the same! Look for breeds like Lionhead, Jersey Wooly and Angora.

Alpacas—Virginia Alpaca Breeders will be available all day with animals your class can pet and feed. This is an opportunity to touch alpaca fleeces and learn about the unique qualities of this fiber-bearing animal. Breeders will be happy to share their knowledge!

Goats—Goats are adaptable animals. They feed on forage that other animals will not eat and can live in steep, rocky places. Goats are raised for their milk, fiber and meat. Goat's milk and cheese are easily digested. Fleece from the silky hair of the cashmere goat is used to make yarn and fabric. Goats have no top teeth; they eat by tearing grass with their bottom teeth and tough upper gums. A female goat is called a nanny, a male goat is called a buck and a baby goat is called a kid. Kids often are born in pairs.

Baby chicks hatching daily—An incubator provides heat similar to that of a broodie hen. It takes 21 days for a baby chicken to develop inside an egg. During that time, the chick uses the egg yolk for food. It is very important that chicks struggle to hatch out of their eggs, because it helps them develop physically.

Incubation/hatching of different poultry species:

Chickens – 21 days

Turkeys – 28 days

Ducks – 28 days

Geese – 30 days

Muscovy ducks – 35 days

Birthing Center—See newborn calves with their mothers. Usually 10 calves are born here during the fair. Unfortunately, we can't guarantee delivery times, but there is always an educational video of the actual event. Holstein dairy cattle usually are black and white. Adult Holsteins produce more milk than any other breed, about 8 gallons a day! Dairy cattle breeds vary greatly from the more muscular cattle that are raised for beef. Only female dairy cattle are called cows. Male cattle are called bulls, and babies are called calves. A newborn calf can weigh 100 pounds and walk within an hour of its birth.

Cow Milking—Try your hand at 11 am and 3 and 7 pm daily.

Sow/ Litter—Visit the sow with her litter of baby pigs. A sow's gestation is 114 days. The babies are up and walking within minutes of being born and are weaned and ready to be on their own at 6 weeks. A sow normally will have eight to 12 pigs per litter and can have two litters per year. In today's production system pigs can weigh 250 pounds at 6 months of age or less and be ready for market. It takes about 4 pounds of feed for 1 pound of weight gain, and each pig will require about a half-ton of feed to reach market weight.

SouthLand Dairy Parlor—Learn about the nutrients that make up a glass of milk with the SouthLand Dairy Farmers. They will give four presentations a day featuring cows in their traveling milking parlor. Daily presentation times: 11:30 am, 1:30 pm, 5:30 pm and 7:30 pm

Cash Crops of Virginia—In the area across the street from the Young Macdonalds, visit the Cash Crops of Virginia Field Plot, where students can examine such crops as corn, cotton, peanuts, tobacco, soybeans and others while the plants are still growing. Learn about the different products that you use on a daily basis that come from these crops. Did you realize peanuts grow underground and not on trees like most nuts?

Urban Agriculture—Learn/see how you can produce a lot of the vegetables and herbs you eat in your backyard. In this area you will see everything from the ordinary to the more unusual. Did you know horseradish is a root crop? Did you know white potatoes are tubers and sweet potatoes are roots? Can you find the pomegranate tree? See what other interesting things are in the garden.

SOL

K.7, 1.4, 4.4, 4.9

7

AGRICULTURE CAREER EXHIBIT

Careers in Agriculture

Many people equate agricultural careers with farmers and ranchers. However, there are hundreds of other careers that support those who are on the farms and ranches producing the food, fiber, fuel and other products; marketing, processing, sales, finance, and providing services and supplies to producers.

Visit the Careers in Agriculture Exhibit and see how it can (1) assist youth in learning what careers are available in agriculture, forestry, and agribusiness (2) inform people about the characteristics of each career (3) and empower young people to prepare for a career of their choice.

8

PADDOCK AREA

Students who visit the State Fair of Virginia at The Meadow are truly walking in the hoofprints of history. And now The Meadow, as the birthplace of Secretariat, is a Virginia Historic Landmark and listed on the National Register of Historic Places.

- The legendary Secretariat, who many consider to be the greatest race horse of all time, was born right here at The Meadow on March 30, 1970. If you saw the Disney movie "Secretariat" you know he won the Triple Crown in 1973.
- Secretariat not only won the Triple Crown in 1973, he broke all the track records in those three races: the Kentucky Derby, the Preakness and the Belmont.
- Only 12 horses have won the Triple Crown since 1919. The latest one is American Pharoah, who became the first horse in 37 years to win the Triple Crown on June 6, 2015. He is a great-great-great grandson of Secretariat, whose 1973 Triple Crown records still remain unbroken.

- ESPN named Secretariat as one of the top 50 athletes of the 20th century. He was the only four-legged one on the list.
- In 1972, the year before Secretariat won the Triple Crown, Riva Ridge of Meadow Stable won the Derby and the Belmont. No other racing stable has ever won five out of six Triple Crown races back to back.
- At The Meadow, you can see the foaling shed where Secretariat was born, as well as the stall in the yearling barn and the stall in the training barn where he and Riva stayed as young colts.
- You can also see the stride marker posts that show Secretariat's enormous 25- foot racing stride.
- The Meadow is where Secretariat and Riva first had a saddle and a rider on their backs and where they learned to gallop around a racetrack.
- An enormous copy of Secretariat's racing shoe is now listed in the Guinness Book of World Records as the World's Largest Horseshoe. It is almost 7 ft. tall and 7 ft. wide and weighs over 600 pounds. You can see it at the State Fair this year.
- Today The Meadow history stays alive with year-round narrated tours of Secretariat's birthplace, available by reservation. See www.meadoweventpark.com/hoofprints-of-history-tour.
- The Meadow was not always a Thoroughbred horse farm. It was founded in 1805 by Dr. Charles Morris and was a working plantation of 4,000 acres for over 100 years. In 1936, Christopher Chenery, a cousin of the Morris family, purchased The Meadow and transformed it into a famous racing stable. His daughter Penny Chenery took over the farm when he became ill and took her father's dream to the utmost heights of racing glory with Secretariat and Riva Ridge. This year, 2016, marks the 80th anniversary of the founding of Meadow Stable.

Leeanne Meadows Ladin, Secretariat tour manager and co-author "Secretariat's Meadow – The Land, the Family, The Legend"

9

VIRGINIA FISH WORLD

"AG Sustainability, Every Day, Every Way" Virginia Cooperative Extension at Virginia State University will exhibit Fish World, an interactive educational display of Virginia aquaculture that includes live fish and shrimp. Daily educational programs by VSU faculty and staff will showcase the university's wide variety of educational programs.

See presentations daily at 10:30 am and 1:30 and 3:30 pm at three locations.

- Aquaculture–Fish World Tent
- Mobile Lab –Inside the VSU Main Foot Print
- College of Agriculture Exhibit-VSU Main Tent

SOL

BIO.3–The student will investigate and understand biochemical principles essential for life.

Q: What animals do farmers grow in Virginia's freshwater environment?

A: Channel catfish, freshwater shrimp, hybrid striped bass, rainbow trout and tilapia

Q: What is the most important water quality need for aquacultured animals?

A: Dissolved oxygen

Q: What is farming the waters called?

A: Aquaculture

Q: What is the combination of hydroponics and aquaculture called?

A: Aquaponics

10

FARM BUREAU CENTER AND ARTS & CRAFTS

Discover the Arts and Crafts and Baked Goods Departments of the State Fair of Virginia. Here you will see what talented people reside in our great state and to what your fellow students excel. Visit our many displays and watch our demonstrations which include quilting, wood carving, painting, music, rug hooking and much more.

This year you can experience a historical adventure on the Underground Railroad. Discover Leesylvania State Park and meet Sarah Percival. She will tell you about the history of the Park and show you items belonging to the men, women and children who fled captivity in the South on the Underground Railroad. Visit with Harriet Tubman and she will be happy to tell you about her life as a Conductor on the Underground Railroad, leading her people north to safety and freedom. Meet Alinda Uzel who will enthrall you with the Secret Story of the Quilt and how the quilts played an important part in the history of the Underground Railroad.

Take a peek into the world of gourds and learn how to grow gourds and how they have played a huge part in our history and are still used today all over the world.

Take a trip back in time and visit the Patawomeck (Potomac) Indian Tribe of Virginia and the Odawa (Ottawa) Indian Tribe from the United States- Canadian Border Region. See their artifacts, hear their stories, and ask questions of their descendants.

Monday, Sept. 26: 10 am – 2 pm Virginia Lovers' Gourd Society - Demonstrations on how to grow and decorate gourds and their many uses throughout history.

Tuesday, Sept. 27: 10 am – 2 pm Cleo Coleman impersonates Harriet Tubman – Learn about Harriet Tubman and her role as a conductor on the Underground Railroad.

Wednesday, Sept. 28: 10 am – 2 pm Alinda Uzel & the Secret Story of Quilts – Alinda will tell you how different quilt blocks informed escaping slaves in the South the pathway to freedom in the North.

Thursday, Sept. 29: 10 am – 2 pm John Agnew of the Ottawa Tribe & Gail Agnew of the Patawomeck Tribe will display artifacts, tell stories, and answer questions about their Native American Culture.

Friday, Sept. 30: 10 am – 2 pm John Agnew of the Ottawa Tribe & Gail Agnew of the Patawomeck Tribe will display artifacts, tell stories, and answer questions about their Native American Culture.

11

DOMINION CONSERVATION CLASSROOM

Department of Game and Inland Fisheries

Go Outdoors Virginia and celebrate a century of wildlife conservation in Virginia with the Department of Game and Inland Fisheries and share the rich traditions and heritage of Virginia's great outdoors. Visitors will be offered the opportunity to connect with some of the state most fascinating wildlife including raptors, snakes, amphibians, and fish as well as a host of fascinating animals from Wildlife Center of Virginia. Conservation Police Officers and Wildlife Biologists will also be on hand to answer your questions and skilled Outdoor Educators will help you test archery and casting skills. The exhibit will address Standards of Learning Concepts including habitat, food webs, interdependence, ecology, adaptations and more.

Daily Programs:

Archery - Monday, Wednesday and Thursday; 11am – 5pm

Fly Fishing Casting - Fridays; 11am – 5pm

Meet Virginia Raptors – every day 30 minute presentations at 11am, 1pm, 3pm and 5pm (including periodic visits from a Bald Eagle.)

SOL

SOL's covered will include all living systems, life processes and life science standards from k-7 and most biology standards. The exhibit will also touch on the environmental standards in HPE and the skills will touch HPE standards K-12.

12

NATURAL RESOURCES AREA

Department of Conservation and Recreation

Visit the Save the Monarchs exhibit and enjoy the newly enhanced Habitat for Monarchs area at the State Fair and learn how to plant your own Butterfly Garden.

SOL

Sols K-5

Department of Historic Resources

This year marks the 50th anniversary of the National Historic Preservation Act, which President Lyndon Johnson signed into law on October 15, 1966. The act has proven to be a game-changer in advancing the preservation of America's historical and archaeological resources. In 2016 DHR also celebrates the 50th anniversary of its origins as Virginia's State Historic Preservation Office, whose mission is to foster, encourage and support the stewardship of the Commonwealth's significant historic architectural, archaeological and cultural resources. DHR's exhibit will highlight the National Historic Preservation Act and DHR's work during the last 50 years to preserve and honor Virginia's tangible history. We also will highlight our state historical highway marker program, which celebrates its 90th anniversary next year.

Virginia Association of Soil & Water Conservation Districts

The Virginia Association of Soil & Water Conservation Districts (VASWCD) exhibit will offer information to all citizens on ways to better conserve Virginia's precious natural resources, focusing on soil health and water quality. Students can learn first-hand about the impact individual actions have on their local watershed and the health of the Chesapeake Bay. Visitors will have the opportunity to engage in hands-on activities and displays to discover the importance of protecting our waterways, including projects you can participate in from your own school yard or home.

SOL

SOL Correlations: K.5, K.9, K.10, K.11, 1.8, 2.7, 3.6, 3.7, 3.9, 3.10, 4.9, 5.7, 6.7, 6.9, E.S. 8, E.S. 10

Virginia Department of Forestry

The Virginia Department of Forestry's educational space will focus on urban forestry and how trees protect water quality and the environment as a whole. Activities include nature crafts, tree identification, and take-home ideas to get families interacting with nature. Exhibits will feature the benefits of native trees, tree planting tips, and ways people can protect trees in their own backyards. Smokey Bear will visit on weekends.

Virginia Marine Resources Commission

Virginia Marine Resources Commission serves as stewards of the Commonwealth's marine and aquatic resources, and protectors of its tidal waters and homelands, for present and future generations.

We manage saltwater fishing, both recreational and commercial. We work to create and maintain sustainable fisheries for the benefit of all anglers and the ecosystem.

We also manage water bottoms in public trust for the citizens of the Commonwealth. Our Habitat Management Division works with those who wish to use them for piers or water-dependent projects.

Our Law Enforcement Division, the Virginia Marine Police, patrols the waterways to enforce the regulations and to assist citizens in need.

Join us at our exhibit in the natural resources are where we will have Several tanks housing Virginia marine life including a touch tank with Horse Shoe Crabs.

13

EQUINE & LIVESTOCK COMPLEX

Equine events held during the fair are sure to entertain students while they learn about this vital segment of Virginia agriculture. Check the *Daily Thrill Guide* for event times.

Highlights at press time included:

Friday, Sept. 23:

- Paint Horse Show
- Cowboy Mounted Shooting Competition
- Paso Fino Demos

Monday, Sept. 26:

- Draft Horse & Mule Show and Pull
- Paso Fino Demos

Tuesday, Sept. 27:

- Pro Rodeo
- Paso Fino Demos

Wednesday, Sept. 28:

- Pro Rodeo
- Paso Fino Demos

Thursday, Sept. 29:

- Mini Horse Show (Open)
- Sheep Dog Trials
- Paso Fino Demos

Friday, Sept. 30:

- World Championship Blacksmith Comp
- Morgan Horse Futurity Show
- Mini Horse Show (Youth)
- Paso Fino Demos

14

FIRST BANK & TRUST COMPANY PAVILION AND LIVESTOCK PAVILIONS II AND III

Open and Youth Livestock Shows

Visit the different livestock pavilions on your field trip. The types of animals being shown rotate throughout the 10 days of the fair. Find out which shows will occur while you are here:

Friday, Sept. 23:

- Open & Youth Dairy Cattle – First Bank & Trust Pavilion
- Open & Youth Dairy Goats – Livestock Pavilion III
- Boer Goats - Livestock Pavilion III

Monday, Sept. 26:

- Open Beef Cattle – First Bank & Trust Pavilion

Tuesday, Sept. 27:

- Open Beef Cattle – First Bank & Trust Pavilion

Wednesday, Sept.28:

- Open Beef Cattle – First Bank & Trust Pavilion

Thursday, Sept. 29:

- Youth Beef Cattle – First Bank & Trust Pavilion
- Youth Sheep - Livestock Pavilion III
- Youth Meat Goats - Livestock Pavilion III
- Youth Hogs - Livestock Pavilion II

Friday, Sept. 30:

- Youth Beef Cattle – First Bank & Trust Pavilion
- Youth Sheep - Livestock Pavilion III
- Youth Meat Goats - Livestock Pavilion III
- Youth Hogs - Livestock Pavilion II

Additional Educational Programming

Virginia State Parks

Be sure to not miss out on this great educational booth, in celebration of the 80th anniversary of State Parks, located just inside the front gate. Visit the booth for park information, touch table items, daily educational programs and other activities.

Daily Educational Programs:

Friday, Sept. 23: "Soldiering in the Civil War"- A soldiers life was more than just fighting, the common soldier cooked meals, cleaned gear, and prepared camp daily. See if your skills match up and how different life in camp was 150 years ago.

Monday, Sept. 26: "The Big Idea" Beginning in the early 1900's and continuing into the New Deal era, there were lots of changing ideas about conservation, preservation, and the human relationship with nature.

These smaller ideas coalesced into a bigger idea that is reflected in the State Forests and Parks of the central piedmont region of Virginia; the idea that in the restoration of the environment, we restore within ourselves a sense of connection to that environment.

"A Tale of Two Lakes"- How would you feel if you were denied access to your favorite outdoor place, just because you were different? Join a ranger to discuss the history of prejudice, segregation, and integration at Twin Lakes State Park as well as how the parks are emblematic of the freedoms we all hope to enjoy.

Tuesday, Sept. 27: "Wings of the Night" 70% of our wildlife is active at night making the dark hours the busiest part of the day. Find out what animals are out and about after the sun goes down and perhaps get to meet a few.

Wednesday, Sept. 28- "Reptiles Alive" Slither on down and join the park ranger for an in depth look into the fascinating lives of some local reptiles. Discover how deadly snakes could save your life and gain understanding as we decipher fact from fiction. You may even get to pet a live snake or turtle.

Thursday, Sept. 29: "Aww Shucks, Oysters!" Oysters are a keystone species of the Chesapeake Bay and have long played a crucial role in nourishing our bodies and our tidal waters. This is your chance to get an up-close look these humble bi-valves and some of the interesting critters that call an oyster garden home.

"Father, son, and the Tin Soldier" Have you ever wondered what children did for fun in the 1930's? Join us for a demonstration of casting tin soldiers from molds dating from the 1930's that were found in the basement of Walnut Valley farm, now a part of Chippokes Plantation State Park.

Friday, Sept. 30: "Leave It to the Beaver" Learn how we are remarkably similar to a resilient rodent who has shaped America's history and the landscapes of Virginia.

Virginia Fire Burns Trailer – Firefighters ignite imaginations with this show that combines family entertainment with fire safety education. Come see live fire demonstrations, using Firefighters from across the state with real fire! Students will be able to see the fire grow and be extinguished. Then tour the inside minutes later and see the burn trailer and all its functions used to train firefighters. In addition, see robots used for collection of evidence and removal of explosives. The Monster Big Foot truck from Virginia Beach will be on display as well as a real aircraft fire trainer, Go inside for games with prizes, and fire education talks.

Daily show times:12, 1 and 3 pm

Mad Science – Educational shows daily 11:30 am (Up, Up and Away), 1:30 and 3:30 pm (Fire and Ice) at the Mad Science Pavilion in Harvest Landing.

Up, Up and Away: This spellbinding special event introduces children to the principles of air and pressure. Vortex generators will send flying smoke rings over their heads, floating balls, giant wind bags and more will help children understand the power of air all around us.

Fire and Ice: This show is so cool it's hot! Kids will be amazed as they learn about physical and chemical changes while observing dazzling demonstrations using fire, bubbling potions, and carbon dioxide gas frozen to 109°F below zero!

Visit the Mad Science Pavilion everyday 10 am – 3 pm to enjoy three different hands-on booths including magnet bridges, robotics and a dino dig.

Traveling Soybean Exhibit presented by Children's Museum of Richmond – Be sure to stop in the Mad Science Pavilion in Harvest Landing for a hands-on exhibit about harvesting soybeans, one of Virginia's top commodities. Here students will experience a simulated combine harvester, soybean silo and picking patch.

VIRGINIA FCCLA DAY

Monday, September 26—Ed Expo Lunch Area

Sponsored by the Virginia Association of Family, Career and Community Leaders of America

See the Virginia Standards of Learning come to life through educational experiences for middle and secondary students in family and consumer sciences courses.

Once chapters enter the fairgrounds, students head out on an SOL Scavenger Hunt in which they explore Virginia's largest outdoor classroom, matching educational opportunities throughout the fairgrounds with related Standards of Learning, including those encompassing family and career issues.

Three contests for FCCLA members are also available that promote "Brand FCCLA"—FCCLA Wear (clothing), FCCLA Wear (accessories) and FCCLA Poster Design.

Check with your chapter adviser for information on how to participate.

Schedule:

10 am to Noon: Drop off entries at Ed Expo Lunch Area

Noon to 2 pm: Judging

2 to 3:30 pm: Entries available to take home

MARKETING/DECA CAREER DAY

Wednesday, Sept. 28—Ed Expo Lunch Area

A unique marketing field experience covering basic marketing principles with an emphasis and concentration on promotions, target marketing, sales and customer service.

The field experience, which compliments numerous SOL competencies, will allow students to examine basic marketing principles at the commonwealth's largest outdoor marketing venue. There areover 40 general marketing course competencies covered and over 15 direct SOL correlations aligned through this field experience. Some examples are listed below.

SOL

1. Explain the nature of economics, economic activities, and economic resources.
2. Explain the role of profit in private enterprise.
3. Identify the role of product/service planning in marketing.
4. Identify types of product mix strategies.
5. Describe market identification and segmentation.
6. Explain the difference between pricing a good and a service.
7. Explain key factors in determining selling price.
8. Explain the difference between pricing a good and a service.
9. Explain the concept of promotional mix.
10. Explain the importance of customer service.

With many varied activities, the State Fair is a great place to learn about marketing functions, foundations and basics principles. This outline provides information to help teachers, DECA advisers and students become aware of marketing considerations that are not always apparent to fair visitors. Marketing is an essential component of the fair's planning, development and success.

Role play and promotion project competition held in the Ed. Expo Lunch Area. Advisors are required to pre-register at vadeca.org prior to arrival. This is in addition to registering your school group for the Ed. Expo at StateFairVa.org. Competition will begin at 10:15 am and run continuously throughout the day. Medals will be awarded at 2 pm in the Ed. Expo lunch area.

VIRGINIA HOSA DAY

Friday, September 30

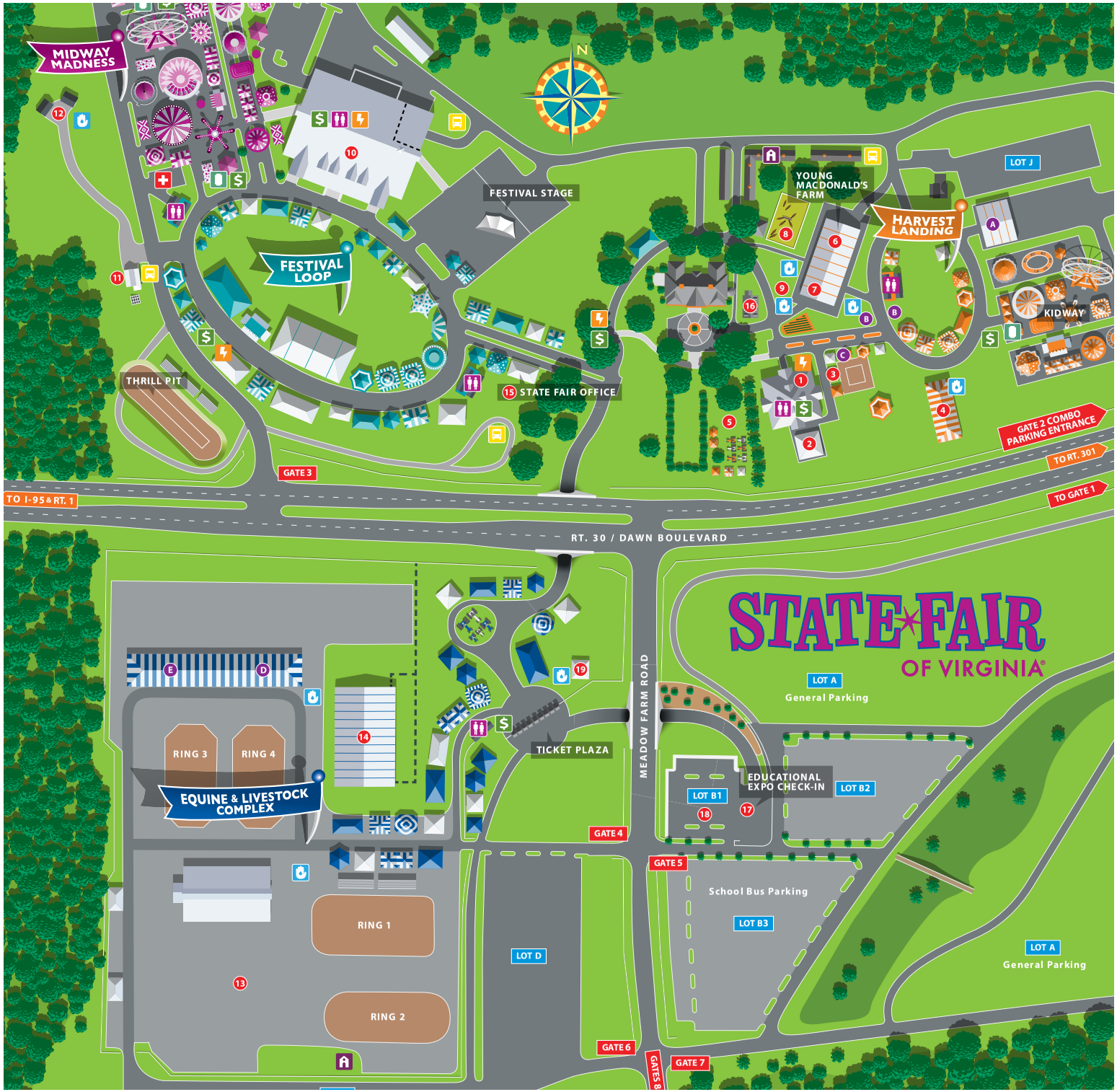
VA HOSA will sponsor a field day experience for students in Health and Medical Sciences courses. Students will start their day at the Education Expo Lunch Area inside the main gate. Students will be able to enter several competitions, and view exhibits featuring Healthy Lifestyles and Healthcare Services. For information on how to participate, please check with the chapter advisor.

Schedule:

10 am – 11:30 a.m:
Registration for competitions.
Pick up Scavenger Hunt sheets

11:30 am – 1:00 am:
Judging competition entries. Judging area closed.

1 pm:
Award Presentation.



Map Key

Educational Exposition Stops

1 Meadow Pavilion
2 Horticulture Pavilion
3 Student Garden Competition
4 Pigeon & Dove Pavilion
5 Heritage Village
6 Young MacDonald's Farm by Farm Credit
7 Agriculture Career Exhibit
8 Horse Breed Exhibit Paddock
9 Fish World by Virginia State University
10 Farm Bureau Center
- Arts & Crafts Competition Exhibition

11 Dominion Conservation Classroom
12 Natural Resources Area
13 Equine & Livestock Complex
14 First Bank & Trust Co. Pavilion

Important Locations

15 State Fair Office
- Lost & Found
- Lost Child Center

16 Public Safety Center
17 Educational Expo Check-in
18 Educational Expo Holding Area
19 Educational Expo Lunch Area

Other Educational Highlights

A Virginia Fire Programs Burn Trailer
B Gardens & Crops
C Mad Science
D Livestock Pavilion II by Farm Credit
E Livestock Pavilion III by Farm Credit

ATM
First Aid
Handwashing Station
Historic Site - Secretariat History
Restrooms
Ride Ticket Booths
Shuttle Stop
Wheelchair Charging Stations

FOR YOUR SAFETY:
The State Fair of Virginia recommends you wash your hands every time you exit an animal or midway area - and before you eat.

we're game
for education

Dear Virginia Teachers,

At the Virginia Lottery, "we're game for education" and are proud to once again be a sponsor of "Virginia's Largest Outdoor Classroom," the State Fair Educational Exposition.

Exploring history, agriculture, natural resources, technology and art, all through first-hand, interactive exhibits at the State Fair, is a unique experience and one we hope all Virginians will enjoy.

The Virginia Lottery has a long history of supporting public education. Since 1999, we've contributed more than $7 billion to Virginia's K-12 public schools. The Virginia Department of Education uses lottery revenues to support programs such as early reading intervention, teacher mentoring and class size reduction

We support education in other ways, too, through our Super Teacher Award program, and our Thank a Teacher campaign. Since 2008, the Virginia Lottery has partnered with the Virginia PTA and the Virginia-based The Supply Room Companies to recognize eight outstanding educators each year with a prize that includes $2,000 cash and $2,000 in classroom supplies. I encourage you to visit valottery.com in January for the 2017 schedule and nomination form.

This past spring, we were excited to introduce our inaugural "Thank a Teacher" campaign in conjunction with National Teacher Appreciation Week. Thanks to a wonderful partnership with the VA PTA and the Virginia Tourism Corporation, more than 30,000 teachers across the Commonwealth were thanked with hard-copy and digital notes! Also, Angie Dalton, special education teacher at Kersey Creek Elementary School in Mechanicsville, won the grand prize vacation package from the Virginia Tourism Corporation. Stay tuned for year two of "Thank a Teacher" as we approach Teacher Appreciation Week in 2017.

The Virginia Lottery is honored to contribute to education and the dedicated teachers who help shape the lives of our children.

I hope you'll be a part of the fun and games offered at the State Fair of Virginia!

Paula I. Otto

Paula Otto