2019 EDUCATIONAL EXPOSITION FIELD TRIP PLANNING GUIDE

SEPT. 27 – OCT. 6Gates open at 10 a.m.





Presented by the Virginia Lottery













WELCOME TO
VIRGINIA'S LARGEST OUTDOOR CLASSROOM

EXPERIENTIAL LEARNING AWAITS YOU AT THE 2019 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











TEACHERS!

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

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 COMPETITION

September 27, 2019

- FFA Tractor Troubleshooting, Blue Ribbon Pavilion
- FFA Small Engine Troubleshooting, Blue Ribbon Pavilion
- 4H Lawn Tractor Safety Contest, Blue Ribbon Pavilion
- 4H and FFA Junior Dairymen's Contest,
 First Bank & Trust Company Pavilion

September 28 & 29, 2019

4-H Dog Show, Best of Show Pavilion

September 30, 2019

 Skills USA, Best of Show / Blue Ribbon Pavilion

October 1, 2019

- Skills USA, Best of Show / Blue Ribbon Pavilion
- Forestry Field Day, Natural Resources Area

October 2, 2019

- FFA Agriscience Demonstration, FFA
 Horticulture Demonstration and 4H and
 FFA Agriscience Poster Contest,
 Blue Ribbon Pavilion
- 4H and FFA Agriscience Poster Contest, Blue Ribbon Pavilion

October 03, 2019

 Crops Judging and 4H & FFA Junior Forester's, Blue Ribbon Pavilion

October 04, 2019

Hippology, Blue Ribbon Pavilion

State Fair Competitions

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

The 2019 school/class entry deadline for competitive arts is Sept. 12. Look for 2020 competition information next summer at StateFairVa.org.

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

SkillsUSA Day

Monday, September 30 & Tuesday, October 1

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 sponsor the judges, supplies and some prizes. More information please visit:

http://www.skillsusava.org



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

Monday, September 30

	·
Cosmetology - Fantasy Manikin Comb-out	11:00 a.m.
Cosmetology - Manikin Comb-out	10:30 a.m.
Cosmetology - Nail Care	10:30 a.m.
Cosmetology - Total Fashion Look	11:00 a.m.
Culinary - Cake Decorating	10:30 a.m.
Culinary - Knife Skills	10:30 a.m.
Job Demonstration	10:45 a.m.
Promotional Bulletin Board	11:30 a.m.
Criminal Justice (NEW)	10:30 a.m.

Tuesday, October 1

Welding	11:00 a.m.
Auto Body	10:30 a.m.
Auto Service	10:30 a.m.
Carpentry	10:30 a.m.
Electricity	11:00 a.m.
HVACR	11:00 a.m.
Masonry	10:30 a.m
Heavy Equipment (NEW)	10:30 a.m.

^{*}All contests will be held in the Blue Ribbon and Best of Show Tents.



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 Meadow Farm Rd., and proceed to the Bus Parking area (Lot B).
- Private vehicles/cars containing parents or extra chaperones may follow the bus to parking. Please obtain a dashboard parking credential from the registered teacher to avoid being directed to general parking. Those arriving without credentials may be directed to general parking and will need to coordinate meeting up with their group.
 There is no charge for parking.
- Gates open at 10 a.m.

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. Please direct them to school check-in for free ticket.

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 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 a.m. and 5 p.m. 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 34 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 2019 Online Resource Directory and 2019 Field Trip Guide as learning/classroom tools.
- 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.



2019 EDUCATIONAL EXPO STOP GUIDE



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.

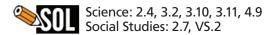
Virginia Farm Bureau

Explore a Virginia farm without ever leaving the State Fair! Virginia Farm Bureau will feature a two-part educational display. Farm Life 360° is a series of videos shot on Virginia farms and gives fairgoers an up and personal look at Virginia agriculture through virtual reality goggles. Sit in a tractor with Farmer Glen as he plants corn. Watch cows get milked using robotics. Reach out and (almost) touch a cow. Join us directly outside the Meadow Pavilion in our new Farm Bureau Land outdoor space. Sit in a tractor cab with a Virginia farmer, play in the corn crib, build a barn, and learn all about our agriculture industry. The possibilities are endless!

Agriculture in the Classroom

Fairgoers also can learn about the complex world of Virginia commodities and how they touch their lives daily. They will learn ag facts like: how many peanut butter sandwiches can be made from Virginia peanuts; that a coffee mug can be made from corn; that maple syrup farms are primarily found in western areas of Virginia; and much, much more at the Virginia AITC station in the Farm Bureau booth. Students and adults will enjoy testing their knowledge by matching products to their source and exploring the regions where they are grown. End your tour stop with a picture in front of our barn back drop, and snap a picture to remind you that food begins on the farm.





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
- Identify stages of plant production and harvest
- Identify the use of complex machines and technology in food production

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

The Virginia Beekeepers plan to have an experienced beekeeper on duty all 10 days of the fair in order to talk to students and teachers about beekeeping. We also plan to have some of the youth beekeepers at the booth. We have an observation hive and a teaching hive so the kids can see what goes on inside a hive and have a chance to find the queen. We will have hand outs for fair goers with information on bees, honey and other hive products. There will also be the competition honey, candles and other beekeeping gadgets on display for all to see.

Virginia Peanuts

The Virginia Peanut Growers Association booth will have information on all aspects of peanuts, including the crop's history in Virginia, where exactly they grow in our state, and particularly how our farmers grow and harvest peanuts. Virginia peanuts are the largest of the four types of peanuts grown in the US. The uses for the peanuts grown in Virginia are varied, from world renowned gourmet peanuts to roasted in shells to peanut butter. The booth will have live plants on display as well as plants just dug from the field. Information will also be available showing the nutritional qualities of one of America's most popular snack foods.





Lavender Fields Herb Farm

Stop by the Lavender Fields Herb Farm Booth, in the Meadow Event Pavilion to learn about All Things Lavender and how to add lavender to your life. Discover the many different uses for lavender as well as how to grow, prune and harvest it. Lavender has been known for its gentle and soothing fragrance since ancient times. Be sure to pick up a fun fact flyer to take home.



K.6, K.7, 1.4, 2.5, 3.7, 4.4, 4.5

Virginia Christmas Tree Growers Association

Visit the Virginia Christmas Tree Growers Association to "Experience a Real Virginia Grown Tree" and the associated benefits:

- Back-to-Basics of a real tree, family time and tradition.
- Truly 'Green', a real tree is all natural, a sustainable resource and environmentally friendly.
- Virginia Grown to insure the freshest possible tree and support local businesses
- Your Choice to buy from retail lot for convenience or choose and cut for outdoor adventure

Virginia Soybean Association

The Virginia Soybean Association invites you to come visit with us and learn how soybeans are grown and harvested in Virginia and what they are used for in our everyday lives. There will be fun and educational materials to be given away and a "Soy House" to show the many uses of soybeans all around us!

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 26 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 Department of Agriculture and Consumer Services (Virginia's Finest)
- Whispering Springs Farms Whispering Springs Farms is a farmstead in Hanover county and are considered a value added producer. They raise dairy goats and use that milk to make goat milk soap, goat milk lotion, fudge and cheese. Their goal is to provide a sustainable life for themselves and their livestock.



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 new corn creations contest, which features creatively decorated ears of corn!

Come experience daily demonstrations and enjoy activity stations. This is a great way for students to experience agriculture in Virginia. Be sure to check on-line for the daily demonstration schedule full of fun educational topics.

Papa John's Pizza Garden

What makes Papa John's pizza so great? Fresh ingredients! Stop by the Papa John's Pizza Garden, located next to the Horticulture Pavilion and check out our fresh ingredients like tomatoes, mushrooms, onions, basil, pineapple, and many more. While you are there purchase a pizza or chicken poppers and register your child to receive a FREE order of cheese sticks, compliments of your local Papa John's!





Giant pumpkins and Giant Watermelons

Come see just how big the biggest pumpkin and watermelon are at the 2019 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!



Master Gardeners

Be sure to check out the Master Gardener booth in the Horticulture Pavilion and see a demo of how you can prevent runoff from your property. Rain water runoff can contribute to damage for our fragile waterway systems. Learn more about the benefits of landscaping with native plants. In addition you can get answers to your all of your gardening questions.

What per percentage of the State of Virginia drains into the Chesapeake Bay?

- 20%
- 40 %
- 60%

Answer: 60%

Name three methods homeowners can implement in their landscapes to help clean up our water ways?

Answers:

- RG Rain gardens
- BR Bio-Retention basins
- CL Conservation Landscaping meadows and trees
- CL Turf to Native Plants
- PP Removal of Previous pavement & installation of Permeable Pavement
- RH Rainwater Harvesting (Dry Wells & Cisterns)

Cash Crops of Virginia – Adjacent to the Horticulture Pavilion, students can visit the Cash Crops of Virginia Field Plot to examine such crops as hops, cotton, peanuts, tobacco, milo/sorghum and soybeans while the plants are still growing. Did you realize peanuts grow underground and not on trees? They are not even nuts but are legumes! Learn about the economic impact of cash crops in Virginia.

Urban Agriculture – The vegetable garden is beside the Cash Crops of Virginia Area. In the garden, you will see tomatoes, eggplant, peppers, potatoes, horseradish, and other vegetables growing and ready to harvest. Gardening is becoming a common practice as communities are having space designated as community gardens. Homeowners are growing vegetables in the ground, pots, haybales, and raised beds. How many of the vegetables can you identify and have you eaten?



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 "Celebrate Virginia." 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.



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 a.m., 1:30 p.m., and 3:30 p.m. at three locations.

- Aquaculture Fish World Tent
- Mobile Lab Inside the VSU Main Foot Print
- College of Agriculture Exhibit VSU Main Tent, which will include an unmanned tractor exhibit, hops harvesting machine, mobile



hydroponics unit, mobile small ruminants slaughter trailer, arborist display, indoor growing systems and a variety of of other exhibits.



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



PIGEON AND DOVE PAVILION

There are over 300 different breeds of pigeons and doves with many variations of markings and colors within them. Besides being powerful flyers, some of the many abilities of pigeons include homing instincts, ground and air acrobatics, cooing that sounds like trumpets, and some that can even inflate their crop like a frog. A sight to behold, many pigeons have extravagant body shapes, which range from the small, cardinal-sized Figurita to the largest, nearly chicken-sized Giant Runt; its name is a story in and of itself. From the bold, upright "peacock tail" of Fantails to the elaborate, "hair curler" feathers of a Frillback, a pigeon's feathers are always the talk of the tent. Come and experience a husbandry that has been around for millennia and has played a critical part in history. We look forward to seeing you there and answering any questions!



SOUTHLAND DAIRY FARMERS CENTER

This all inclusive dairy exhibit will showcase everything from breeds of dairy cattle to where our milk comes from!

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 catle 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 10:30 a.m., 1:30 and 6:30 p.m. daily.

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: 11:00 a.m., 12:30



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

p.m., 5:30 p.m. and 7:30 p.m.

Geese, Ducks, Turkeys, Guineas and Chickens

Breeds of Beef 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

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.

Horses, Horses, Horses – The Virginia Horse Industry Board will be joining the exhibit this year and each day they will be featuring a different farm & breed of horse. Learn the differences and uses for some of the 350 + breeds of horses and ponies that exist. Did you know that that horses have four gaits (ways of moving around) the walk, the trot, the canter and the gallop?



SECRETARIAT'S BARNS

Students who visit the State Fair of Virginia at The Meadow Event Park are truly walking in the hoofprints of history. As the birthplace of Secretariat, The Meadow is listed on the National Register of Historic Places and the Virginia Landmarks Register.

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. Only 13 horses have won the Triple Crown since 1919. Secretariat is the only horse in that 100-year history to break all the track records in those three races: the Kentucky Derby, the Preakness and the Belmont. Those records remain unbroken to this day, 46 years later! 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 Ridge first had a saddle and a rider on their backs and where they learned to gallop around a racetrack.

At Secretariat's yearling barn, you can see a 600-pound model of Secretariat's racing shoe. As the largest horseshoe in America, it is almost 7 ft. tall and 7 ft. wide. Inside Meadow Hall mansion are galleries and exhibits with special displays from the early days of Meadow Stable and even Penny Chenery's riding outfit.

Today, The Meadow history stays alive with yearround narrated tours of Secretariat's birthplace, available by reservation.

See www.meadoweventpark.com

The Meadow was not always a Thoroughbred horse farm. It was founded in 1805 by Dr. Charles Morris and was a working plantation of 2,000 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.

Though he died in 1989 at the age of 19, Secretariat is still beloved by millions. March 30, 2020 will mark his 50th birthday and fans can expect a big celebration here at his birthplace.

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



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.

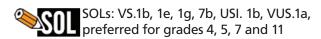
Violin Maker – Stop by and witness a true craftsman as he makes violins by hand.

Butter Making – See how cream is separated from the cows milk and transformed into butter. Demonstrations will take place at 11:00 a.m. and 5:00 p.m. daily.

Glass Blowing & Jewelry Making – Between the two, Ed and Martha Biggar have over 40 years of experience working with glass and over 20 years of experience with jewelry. Ed started with an art major at Oregon State University in the early 1970s, and continued to a four-year glass program at Cal State San Bernadino. He currently serves as an instructor and technical consultant, and is the proprietor of his own studio, Artneon, He has exhibited both nationally as well as internationally and is the recipient of numerous awards for his mixed media sculptures featuring elements of glass and light, including neon.

Martha earned a BFA in design at VCU in the early 80s, and began concentrating in jewelry in 1992, switching to metal clay in 2000.

Basket Making – Stop and watch the beauty of making baskets by Gary Carrol.





The Creative Arts Department and the Culinary Arts Department of the State Fair of Virginia would

like to invite you to visit competitive exhibits in the Farm Bureau Center during your visit.

Come discover who, among the hundreds of Virginia Students, won blue ribbons or even better, fine arts scholarships. The Creative Arts Department currently offers three fine arts scholarship categories.

One 2-D fine art competition for 7th and 8th graders and one for 9th grade through 12th along with a 3-D art competition for 9th grade through 12th. Now is the time to think about college tuition!

Watch Virginia Artisans create works of art with paint, fabric, wood and much more. Wood turners will be creating many awesome items on a lathe machine while the wood carvers are whittling away on various items such as figurines, vases, bowls, leaves, acorns and much more.

Learn how to create a rug from rags torn into strips or a hooked rug made with yarn. You might try your hand at spinning wool into yarn or possibly take a spin at the pottery wheel.

Stroll through the baked goods area and see if you know anyone who was awarded a State Fair ribbon for their delicious culinary art. Maybe next year you might want to enter an item yourself!

There is so much to see in the Competitive Arts Department at the State Fair of Virginia! Come on in and stay awhile.

U.S. Army Corps of Engineers

The U.S. Army Corps of Engineers is the world's largest public engineering organization and serves as the federal government's engineering and design lead for water resources issues throughout the entire U.S, and is the lead construction agency for the U.S Army and Air Force. The Corps is also responsible for regulating impacts to wetlands under sections of the Clean Water Act and the River and Harbors Act. The agency offers many recreational opportunities along many of the dams and reservoirs it manages.

The Norfolk District is responsible for water resources projects in the commonwealth of Virginia in six major watersheds and regulates the impacts to wetlands throughout the entire state.

The Corps booth will include hands-on learning on water quality, offer water safety handouts including stickers, bags, literature and other items. An interactive water management game will also be available for students to learn how affecting water outflows from reservoirs impacts activities downstream.



Environmental scientists, engineers and other professions will be on hand at the display to talk about what they do answer questions and encourage Science, Technology, Engineering and Math (STEM) learning for students as well as discuss outreach opportunities with teachers.



NATURAL RESOURCES AREA

Department of Conservation and Recreation

Do you know what the state fish of Virginia is? Have you ever seen a live snake in person? Did you know that Virginia has State Forests? Would you like to learn more about Soils?

Have you ever been to a Virginia State Park? Have you ever wandered about the geology of Virginia? Do you know the history about the Highway Sign Markers? Do you want to attract more pollinators to your yard?

If you said yes to any of these questions, be sure to visit the Natural Resources Area at the 2019 Virginia State Fair. While at the booths, enter to win a awesome giveaways. See state fair website for a complete list.

Department of Conservation and Recreation

Visit and learn about DCR's division of State Parks, Natural Heritage, Planning and Recreation, Dam Safety and Soil & Water. Daily an activities will include gold panning, fishing skills, atlatl and archery.

Department of Environmental Quality

The Virginia Department of Environmental Quality will be shining a light on the many ways we harness the sun's power – from renewable energy to growing native flowers. Visitors will learn about the solar industry and the many ways we plan for large solar installations while protecting the environment. Visitors will interact with real solar panels and a real miniature stream that shows why plants are so beneficial to have around. Visitors will engage in hands-on activities to learn about pollinators and their host plants, and will even be able to take some flower seeds to plant at home.

Special activities: On Tuesday and Thursday from 10:00a.m. to 2:00 p.m. visitors will be able to speak with meteorologists to learn about air quality.



SOL Correlations K.8, K.9, K.11, 1.1, 1.6, 1.8, 2.4, 2.5, 2.8, 3.5, 3.8, 4.2, 5.2, 5.9, 6.4, 6.6, 6.8, 6.9, LS.6, LS.8, PS.5, ES6, ES8

National Parks of Virginia

Virginia is home to a number of National Park sites that provide a wealth of opportunity to discover America's natural grandeur and historic past. Our nation's beginnings at Jamestown and Yorktown are preserved at Colonial National Historic Park. Virginia is home to more Civil War battlefields than any other state, including Manassas National Battlefield Park, scene of the conflict's first major battle, and Appomattox Courthouse National Historical Park, where the war effectively ended. Virginia is also home to many famous Americans whose homes are preserved by the National Park Service at sites such as George Washington Birthplace National Monument, Maggie L. Walker National Historic Site, and Booker T. Washington National Monument.

However, Virginia is much more than just history. From the mountains to the seashore, nature, wild-life, and breathtaking scenery are also a part of the experience. Shenandoah National Park and the Blue Ridge Parkway wind more than 300 miles through the Appalachian Mountains with hundreds of miles of trails and dozens of overlooks. Assateague Island National Seashore offers the opportunity to spend a day at the beach and among the wild horses and storm tossed seas of an Atlantic barrier island.

And let's not forget Wolf Trap National Park for the Performing Arts, the only national park dedicated to presenting the performing arts.

With more than 22 sites and affiliated areas of the National Park System spanning over half a million acres, there's something for all ages an interests. No state east of the Mississippi has more park areas than Virginia, so chances are there's a National Park Service site nearby. For more information, stop by our booth to chat with a ranger, or visit us online at www.nps.gov/virginia.

Special Activities: On Saturday and Sunday, Volunteers and staff from Petersburg National Battlefield will present Civil War Artillery demonstrations between 10:00a.m. and 5:00 p.m.

Department of Historic Resources

Virginia's Historical Highway Marker Program is 92 years old this year and is believed to be the oldest such endeavor like it in the nation. The program began in 1927 to promote tourism and economic development in the new age of the automobile.

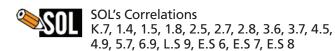


The exhibit will feature the evolution of the marker program throughout the last 92 years in educating Virginia's citizens and its tourists. While the iconic shape of the signs has remained largely consistent since the markers first appeared, the range of topics considered of interest for the signs has broadened to cover all aspects of Virginia's rich and diverse history. The exhibit will also feature an exciting project to update the highway marker program for the 21st century motorist. DHR has released sections of markers in an audio format via an app on your mobile device. The process of recording groupings of marker texts has involved teachers and students by enlisting their assistance to record the text which becomes audio for the app. In addition, the exhibit will highlight DHR's latest publication, A Guidebook to Virginia's African American Historical Markers, published in commemoration of the 400th anniversary of the first documented arrival of Africans to present-day Virginia in 1619.

The exhibit will showcase several of the more than 300 state markers that recall important people, places, and events in African American life and culture. Sign up for our new e-newsletter and be placed in a raffle to win a free copy.

Virginia Association of Soil & Water Conservation Districts

(VASWCD) exhibit will offer information to all citizens on soil development, the variability in color and texture, and the importance of soil health. Students can learn what physiographic region they live in, as well as the impact the regions topography on soil development, color, and texture. Visitors will have the opportunity to engage in hands-onactivities and displays to discover the difference in textures between sand, silt, and clay and differences in color through artistically utilizing soil. There will be a display explaining the difference between soil and dirt as well as explaining the connection between soils, native plants, and pollinators. An interactive board will give facts about soils and the wheel of questions will test the visitor's knowledge on soils importance and development.



Virginia Department of Forestry

Need a place close to home where you can take a walk on the wild side? Visit the Virginia Department of Forestry's exhibit to celebrate the 100th anniversary of Virginia's best-kept secret, the State Forest system. State Forests are different from other state lands, such as parks, because they are managed for multiple uses: water quality, wildlife, research, recreation – and yes, even forest products. Discover interesting facts about State Forests, test your tree knowledge, try some hands-on activities, and find a great State Forest to visit when you need a dose of nature.



Virginia Department of Mines, Minerals and Energy

The Virginia Department of Mines, Minerals and Energy is all things energy. It regulates the mining of coal and natural gas and oversees energy efficiency in the Commonwealth. The agency encourages the use of renewable energy, as well. In addition, DMME is home to Virginia's geological survey – a team of geologists that map the state looking for resources and to help localities better plan. DMME also regulates the metal-nonmetal mining industry which produces a multitude of construction materials and other useful products such as kitty litter!



Department of Game and Inland Fisheries Virginia Wildlife from the Mountains to the Sea

Visit Virginia's Department of Game and Inland Fisheries and Marine Resources Commission to learn about the wildlife that thrives in each of the Commonwealth's Geographic Regions. Wildlife Scientists, Marine Patrol and Conservation Police Officers will be on hand to answer questions about careers associated with wildlife conservation. Horseshoe crabs and snakes will be available to touch. Live salamanders, freshwater and marine species of fish will highlight the vast variety of species that can be found across the state.



Standards of Learning concepts such as adaptations, interdependence, sustainability and energy transfer will be highlighted.



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.



SCHOLARSHIP HALL OF FAME

Since 2013 the State Fair has awarded over 1,270 scholarships and has dedicated more than \$472,000 to youth education. The fair offers more than \$80,000 each year in scholarship money through 4-H, FFA and vocational competitions and specific equine, fine arts and horticulture competitions. Walk through the hall of fame to see last year's outstanding youth and learn how you can earn a scholarship at the State Fair.



LIVESTOCK LOOP

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, September 27

- Cowboy Mounted Shooting
- Draft Horse & Mule Show

Monday, September 30

 Draft Horse & Mule Educational Programs – Ring 1

Wednesday, October 2

Dressage Demos "Dancing with Horses"

Thursday, October 3

- Mini Horses
- Ranch Rodeo
- Blacksmith Competition

Friday, October 4

- High School Rodeo
- 4H Horse Show
- Youth Barrel Race
- Mini Horses
- Blacksmith Competition



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, September 27

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

Monday, September 30

- Open Beef Cattle First Bank & Trust Pavilion
- Open Sheep Show Livestock Pavilion III

Tuesday, October 1

- Open Beef Cattle First Bank & Trust Pavilion
- Open Sheep Show Livestock Pavilion III

Wednesday, October 2

Open Beef Cattle – First Bank & Trust Pavilion

Thursday, October 3

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

Friday, October 4

- 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

Professor Newton and Kidz Science Safari

Come along with Professor Newton as he shows you some of the most incredible, interactive science experiments you've ever seen! A true STEAM education experience developed and presented by a veteran in children's educational entertainment, this 30-minute show showcases exciting science demonstrations with a theatrical presentation – created especially for families, all from the Professor's colorful stage! After the show, attendees can immerse themselves in the Kidz Science Safari, featuring fun, hands-on STEAM exhibits including magnetism, conductivity, airways and human biology and a dino dig.



Richmond Portal by Sycom

Portal connections allow teachers and students to apply and enrich their learning, and to expand their classrooms to encompass the globe. The Portal enables anyone who enters to have a conversation, ask questions, share information, with someone in a different place in the world. Sharing and learning from others fuels inspiration! Portals bring people together who would never otherwise meet. Utilizing modified, air-conditioned, shipping containers outfitted with audio-visual immersive technology visitors connect with people across the globe. When you enter a Portal, you come <u>face-to-face</u> <u>with someone somewhere else</u> on earth, live and full-body – as if in the same room.

The Richmond Portal connects to the entire <u>Shared Studios</u> Portal network, including <u>sites</u> in the US, Europe, Eastern and Western Asia, North and Central America. Live translation is available, and the Portal is free and open to all ages.

Virginia Loggers Association

Monday, Sept. 30 – Tuesday, Oct. 1

The Virginia Loggers Association (VLA) is a private, non-profit 501-C (6) organization, dedicated to the education, training, and promotion of Virginia's Forest Products Industry. We serve logging and supporting businesses making up Virginia's third largest industry. Members carry out logging in the safest and most competitive manner and comply with best management practices (BMPs) to ensure our forests are sustainable and healthy.

Objectives:

- The Voice of Virginia loggers
- Focus on workers safety
- Improve and expand quality logging BMPs
- Provide, promote and facilitate educational training
- Network and information sharing with members
- Support Log-a-load for Kids program to raise funds for Children's Miracle Network Hospitals
- Serve and represent members on a local, regional, state, and federal level
- Promote the benefits of our timber harvesting industry and a positive image

Virginia Logging Association Members harvest 65% of Virginia's annual harvested forest acreage.

Loggers use best management practices to meet the landowners' objectives, add value to the forest products industry and leave forest sites in great healthy condition for our future forests!

By voluntarily complying with the best management practices, Virginia loggers ensure that our state's water quality remains free of sediment from its activities. The result is clean water for all citizens, wildlife habit, and healthy future forests.

Be sure to stop by for paper making demonstrations happening throughout the day. The papermaking process begins with a landowner planting their land with trees that are managed, sustainably harvested and transported to a mill to be processed into lumber, plywood, paper and other products. The wood that is low quality or not big enough for lumber and plywood is processed into chips. The fibers, or cellulose in the wood chip is extracted using a machine called a digester and processed into a pulp. The pulp is processed by a paper machine that flattens and dries it into paper.

HOME EDUCATORS ASSOCIATION OF VIRGINIA (HEAV) DAY

Friday, September 27

Home Educators Association of Virginia is a member-supported, statewide, 501(c)3 non-profit homeschool association. Since 1983, HEAV has successfully worked to promote and protect home education in Virginia by providing up-to-date information to homeschooling families, the media, and officials. HEAV serves all homeschoolers. With a full-time office staff and hundreds of dedicated volunteers, we're ready to answer your questions, offer support, and serve your needs year-round. Check out our website at www.heav.org, send us an email at office@heav.org, or give us a call (804-278-9200).

MARKETING/DECA CAREER DAY

Wednesday, October 2 – Best in Show Tent 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 are over 40 general marketing course competencies covered and over 15 direct SOL correlations aligned through this field experience. Some examples are listed on next page.





- **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

This outline provides information to help teachers, DECA advisers and students become aware of marketing considerations that are not an essential component of the fair's planning, development and success.

Role play and promotion project competition held in the Best in Show Tent. 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 a.m. and run continuously throughout the day. Medals will be awarded at 2 p.m. in the Best in Show Tent.

VIRGINIA FCCLA DAY

Thursday, October 3 – Best in Show Tent 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.

Four contests for FCCLA members are also available that promote "Brand FCCLA" – FCCLAWear (clothing), FCCLA Wear (accessories).

FCCLA Home and FCCLA Poster Design. Check with your chapter adviser for information on how to participate.

Schedule:

10 a.m. – Noon: Drop off entries at Ed Expo Lunch Area

Noon – 2 p.m.: Judging

2 to 3:00 p.m.: Entries available to take home

HOSA DAY AT THE STATE FAIR!

Friday, October 4

HOSA: Future Health Professionals is a student organization dedicated to promoting Health and Medical Sciences knowledge and skills, as well as, valuable leadership training for future healthcare careers.

VA HOSA Day at the State Fair allows students to connect Health and Medical Sciences knowledge with the healthy lifestyle exhibits at the fair. Students can explore various areas of the fair that promote many facets of healthy living, such as nutrition, the environment, and health related topics. In addition, HOSA chapters will be able to enter project competitions which will be held at the Best in Show Tent. An awards ceremony will follow the competition judging. To learn more about this unique experience, please visit the VA HOSA website: bit.ly/virginiahosa, or State Fair website.

Schedule:

10 a.m. – 11:30 a.m.Registration for competitions.

11:30 a.m. – 1:15 p.m.Judging competition entries. Judging area closed.

2:00 p.m. – Award Presentation All entries must be picked up by 2:00 p.m.







Map Key (For map of the south side of the park please see next page)

Educational Exposition Stops

- 1 Meadow Pavilion
- Horticulture Pavilion
- Student Garden Competition
- Fish World by Virginia State University
 - Pigeon & Dove Pavilion
- SouthLand Dairy Pavilion

11 Natural Resources Area & Geology Park

Conservation Classroom

10 Competitive Arts Exhibition

Important Locations

16 Lost & Found / Lost Child Center 17 Public Safety Center

Young MacDonald's Farm by Farm Credit

Secretariat's Barns 9 Heritage Village

- 18 Blue Ribbon Tent19 Best in Show Tent

B Richmond Portal by Sycom A Gardens & Crops C Thrill Pit

- 9/30-10-1 Va. Loggers Assoc. Demos
 - D Professor Newton & Kids Science Safari

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Other Educational Highlights

- First Aid
- Historic Site Secretariat History Handwashing Station
 - Restrooms

 - Ride Ticket Booths Shuttle Stop
- Wheelchair Charging Stations Info Station



Educational Exposition Stops

- 13 Scholarship Hall of Fame
- 14 Livestock Loop15 First Bank & Trust Co. Pavilion

Other Educational Highlights 20 Educational Expo Check-in21 Educational Expo Holding Area22 Educational Expo Lunch Area

Important Locations

- E Livestock Pavilion II
 F Livestock Pavilion III
- Historic Site Secretariat History Handwashing Station First Aid **小 + ○ ⊂**

Restrooms

- Wheelchair Charging Stations Ride Ticket Booths Shuttle Stop Info Station



Dear Virginia Teachers,

As the Virginia Lottery enters its 31st year in September, we'd like to reflect on our long-standing partnership with the State Fair of Virginia. That partnership dates to just weeks after the first Virginia Lottery tickets were sold, and this year, we are proud to continue it as sponsor of "Virginia's Largest Outdoor Classroom" at the State Fair Educational Expo.

You may already know that Virginia Lottery proceeds benefit K-12 public education in the Commonwealth, but did you know that since 1999, we have contributed more than \$9 billion to Virginia's K-12 public schools? In Fiscal Year 2019 alone, a record \$650 million went to public education in Virginia. Lottery profits make up about 10 percent of the entire state budget for education, and school divisions can spend nearly one third of those dollars as they wish, giving them more control of where those dollars go.

In addition, we support education by sponsoring a variety of events, professional development conferences, and campaigns that directly benefit students, teachers, and administrators. We are honored to contribute to education and want to thank you, the dedicated teachers who are passionate about helping to shape the lives of our children.

I hope you enjoy the fun and games offered at the State Fair of Virginia!

Kevin Hall