

2021 EDUCATIONAL EXPOSITION FIELD TRIP PLANNING GUIDE

SEPT. 24 – OCT. 3

Gates open at 10 a.m.

THE BEST OF VIRGINIA



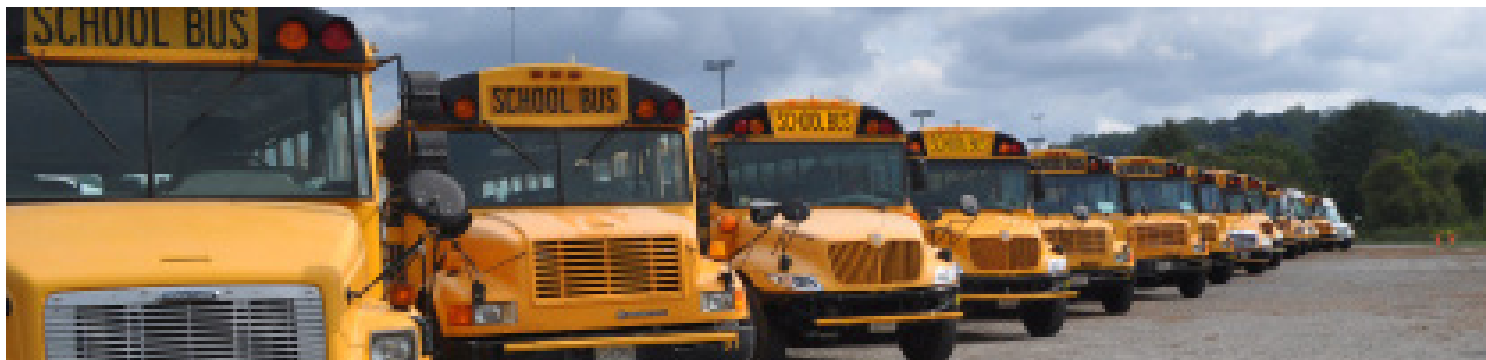
**we're game
for education**

Presented by the Virginia Lottery



**WELCOME TO
VIRGINIA'S LARGEST OUTDOOR CLASSROOM**

EXPERIENTIAL LEARNING AWAITS YOU AT THE 2021 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 plan-ning 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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Stay up to date all year: StateFairVa.org



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



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

4-H & FFA

September 24, 2021

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

September 27, 2021

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

September 28, 2021

- Skills USA, Best of Show / Blue Ribbon Pavilion
- FFA Junior Foresters and Hort Demo, First Bank & Trust Pavilion

September 30, 2021

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

October 01, 2021

- 4H Hoppology

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 2021 school/class entry deadline for competitive arts and culinary is Sept. 3 and 15, respectively. Look for 2022 competition information next summer at StateFairVa.org. FFA and SkillsUSA information is available on those organizations' websites.

SkillsUSA Day

Monday, September 27 & Tuesday, September 28

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

SkillsUSA Day

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.skillsusa.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 28

Cosmetology - Fantasy Manikin Comb-out	11:00 a.m.
Cosmetology - Total Fantasy Look	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.
TV Production	10:30 a.m.
Drone Competition	11:00 a.m.
Photography	11:00 a.m.
First Aid / CPR	11:00 a.m.

Tuesday, September 28

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.
Plumbing	10:30 a.m.
Cabinetmaking	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 of 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. All school groups that have prepaid online (recommended) may proceed into the fair through the Ticket Plaza as a group at the teacher's discretion.
2. There will be a single desk to collect checks and finalize any payment prior to the ticket gate for anyone that has not paid.
3. Any additional tickets needed day of may be purchased at a ticket gate by any adult present.
4. Chaperones and teachers should keep children organized through the check-in process.
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: \$8 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 \$16 adult admission ticket (does not include rides) at the gate or a \$11.50 prepurchased ticket.

- Contact Manager of Ag Education & Ed Expo Coordinator Sarah Jane Thomsen at 804-994-2743 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

- New this year, reloadable cards. Guests may purchase the card with ride credits.
- The Ed Expo price is \$23 on any field trip day when purchased online in advance for all those in the class who are riding. Students who purchase the wristbands inside the fair will be charged the regular \$32 price.
- Unlimited Ride Wristbands are good on day of purchase only and for one person only.

Payment Options

- Tickets should be purchased online in advance. We will be accepting checks at the gate, but we encourage schools to pay in advance via check or credit card.
- Please note that admission does not include rides. Ride tickets can be purchased online in advance at a discounted rate or during the fair.
- Cash is accepted at all Ride Ticket Booths inside the fair, and select booths also accept credit cards (Visa, MasterCard and Discover).
- Checks may be mailed or delivered to State Fair of Virginia, 13191 Dawn Blvd, Doswell, VA 23047

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. Lunches may be stored at the lunch tent or in the bus, and an adult may leave the fair to retrieve them.

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 Manager of Ag Education & Ed Expo Coordinator Sarah Jane of students with special needs - 804-994-2743 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 2021 Online Resource Directory and 2021 Field Trip Guide as learning/classroom tools.
- Preschool and Elementary School Teachers: Prior to arrival, prepare child ID wristbands or necklace cards of your choosing. Please ensure that each child ID includes 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!



2021 EDUCATIONAL EXPO STOP GUIDE



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.

Virginia Farm Bureau

Explore a Virginia farm without ever leaving the State Fair! Virginia Farm Bureau will feature a multi-part educational display. Sit in our Farm Tour Tractor Cab and explore a chicken house or chop corn. Visit our interactive Farm Product Kiosk and learn about popular farm commodities and the journey they take from farm to fork. Try your hand at our My Plate matching game. Cap off your experience by testing your farm knowledge at our Prize Wheel. When you're done inside make sure to visit our outdoor rest area and leave a kind note for a Virginia Farmer. Virginia Agriculture is exciting and the possibilities are endless!

Agriculture in the Classroom

Explore the breadth and depth of Virginia agriculture with Virginia Agriculture in the Classroom; from peanuts in the east to pumpkins in the west and so much more in between. Visitors to the Agriculture in the Classroom booth will learn all about how Virginia farmers feed their families and can test this knowledge at the adjoining Virginia Farm Bureau interactive educational displays. Agriculture in the Classroom is your source for educational resources to connect children to agriculture. Stop by to learn about the many ways we serve schools, families, and communities and get growing with us!



Science: 2.4, 3.2, 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
- 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 when possible. We have an observation hive and a teaching hive all 10 days so the kids and the general public can see what goes on inside a hive and have a chance to find the marked queen. We will have hand outs for fair goers with information on bees, honey and other products of the hive. Don't miss the display of 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 find a variety of plants: Natives, Pollinators, Hummingbird and Butterfly Attractors. We also have a several varieties of fruit plants, some designed for container living. You'll find herb plants, as well, including, but not limited to, Lavender, Oregano, Thyme, Rosemary and Chives. Ask us why FALL is a great time to plant your perennials. You can also relax while perusing our many lavender products and learn what goes into producing them. Please be sure to bring your gardening questions and don't forget to pick up a Fun Fact Flyer.



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

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 four types of tobacco: flue-cured, burley, dark, and cigar wrapper. 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.



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.



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.

The Farmer's Garden & Pizza Garden

Feel the soil in your hand and make plans for growing your own food! Discover which fruits and vegetables make some of your favorite foods from pumpkin pie to grape juice. Make sure you stop at the Pizza Garden where your pizza is grown! From the wheat in the crust to the tomatoes for the sauce, don't forget your favorite ingredients and to thank the cow for the cheese. Learn about the potatoes and carrots grown underground or discover your favorite greens like beans and asparagus. From blackberries and raspberries to cucumbers and cabbage, you'll be amazed to learn about everything you can grow right in your backyard! How many of the vegetables can you identify and have you eaten?





Giant pumpkins and Giant Watermelons

Come see just how big the biggest pumpkin and watermelon are at the 2021 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 stop by the Virginia Cooperative Extension Master Gardener Booth to learn about decomposers and see them in action.

Decomposers are organisms that are a critical component of the food chain in our ecosystem. Decomposers are responsible for breaking down the organic and nutrient matter of dead organisms, and then recycling the organic matter and making it available to the ecosystem. The organic and nutrient matter is absorbed or taken up by plants (the producers) of the ecosystem. Plants are an essential component of the food chain. Decomposers occupy the lowest position in the ecological pyramid and may be hidden, but they are very important because they form the base for all life in the food chain above them.

Be sure to ask the Master Gardeners how we can take care of the decomposers in our own habitat.

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.

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

4 Virginia Food & Agri-Science Exhibition

Presented by Virginia State University College of Agriculture

This ALL-NEW, hands-on, multi-faceted exhibition area explores the past, present and future of Virginia's number #1 industry, agriculture, and the importance it plays in our every-day lives. Beyond corn, soybean, chickens and cows, learn what else Virginians are producing and what successes and challenges these small-scale farmers and ranchers face. How do their stories impact your life at the supermarket or on your dinner plate? What role can students play in increasing the world's food production in the next 30 years by an overwhelming 70% to feed the additional 2.2 billion people on the planet? As they explore the exhibits, students should be encouraged to think about ways to solve this critical problem facing our world. Visitors will also learn about ways Virginia State University's agricultural researchers and the Virginia Cooperative Extension program are helping deliver solutions to help ensure our food is some of the safest and most abundant, nutritious and affordable in the world.

- Take the Agriculture Challenge! This interactive display for all ages offers 72 opportunities to test your knowledge of food, nutrition, agriculture and natural resources. See how many you can get right!
- Visit Virginia's first Mobile Agricultural Education Trailer, a dynamic, interactive teaching tool for promoting the importance of agriculture and natural resources in the Commonwealth.
- Witness how plants and fish can be produced together using a self-contained indoor recirculating system at Virginia State University's Mobile Aquaponics Unit. Learn how this sustainable, integrated approach is beneficial to both fish and plants and can be a fun and profitable way to produce food.
- Check out Virginia's first Sheep & Goat Mobile Processing Unit, which provides small ruminant ranchers a convenient and affordable way to process and package their meat for retail distribution.
- At the Virginia 4-H Exhibit enjoy youth activities that the 2020 Virginia 4-H Youth in Action Award winners have developed around the 4-H pillars: Agriculture, Civic Engagement/Leadership, Healthy Living, and STEM. 4-H Tech Changemakers Teen Leaders will also teach adults digital literacy skills such as resume writing and using office software, smartphones, and social media to improve employability.



- Enjoy Daily Presentations and Activity Stations on topics ranging from urban agriculture and forestry to the science behind food production and safety. This is a great way for students to deep dive into specific subject areas, as well as learn about different careers in food production. Be sure to check on-line for the daily demonstration schedule.

Questions & Activities

1. Scan this QR Code (using your cell phone camera) to see all 72 questions and answers featured on the Agriculture Challenge exhibit at VSU's Virginia Food & Agri-Science Exhibition. Pick and choose which questions to use based on subject matter or grade level.



2. Imagine you're a food scientist or play a leading role in the agricultural industry. How many different ways can you think of that will help safely increase the world's food production in the next 30 years by 70% to feed the approximate 10 billion people on the planet? (That's 2.2 billion more people today.) What are they?

3. (For Grades 9-12 Only) Video essay competition! Create a short video (no more than one min., similar to a TikTok) on how you would address the problem posed in question #2 above. Then, visit <https://tinyurl.com/vcevideo2021>, create a folder and name it with your first and last name. 1) Upload your video to the folder. 2) Upload a document to the folder with your name, age, grade, school name, parent or teacher email address and phone number, and (optional) your email address and phone number. VSU faculty will select three winners by the end of the year. Winners and their families will receive a private tour of VSU's Agricultural Research Station and 416-acre farm; meet with food scientists and Cooperative Extension specialists to learn what working in agriculture is really like; and have their video shared on the Virginia Cooperative Extension website and social media sites.

5 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!

6 SOUTHLAND DAIRY FARMERS CENTER

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

Birth Center - See newborn calves with their mothers. Usually 10 calves are born here during the 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 10:30 a.m., 1:30 and 7:00 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 p.m., 2:00 p.m., 5:30 p.m. and 7:30 p.m.

7 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 Cattle - See what makes them different.

Goats - 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.

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. 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 BARN

Students who visit the State Fair of Virginia at The Meadow Event Park are truly walking in the hoof-prints 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, 48 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 year-round 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 trans-formed 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, 2022 will mark his 52nd birthday and fans can expect a big celebration here at his birthplace.



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 - Using physics, chemistry and mathematics, see daily demos by Carson Sams on forging every day items and farming tools, using late 1800 technology.

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.



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



FARM BUREAU CENTER AND ARTS & CRAFTS EXHIBITION

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.



NATURAL RESOURCES AREA in the Farm Cureau Center

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, wildlife, 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 and 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.

Department of Historic Resources

Department of Historic Resources

Maritime Archaeology in Virginia: Virginia has a richly diverse maritime heritage, beginning with the first inhabitants of present-day Virginia, some of whom lived near our plentiful bays, rivers, and streams. Learn about DHR's citizen science STAMP program and how you can help document and preserve these important historic resources.

Preserving Virginia's Cemeteries: There is so much to learn from cemeteries! Learn about people who lived before us in Virginia and their history, materials science and conservation, and preservation of these special places. Use DHR's online tools to help us record cemeteries in our database.

My Virginia Places (sticker map and interactive app): What places in Virginia are important to you? Place a sticker on the map to show us your hometown, a favorite summer escape, a place important to your family, or any location special to you. Use our interactive online map to explore places listed on the Virginia Landmarks Register and read nearby Historical Highway Markers to learn more about history near you.

Educational Kits: DHR has several Archaeological Resource Kits (ARKs) that are available for use by educators. Content varies by kit theme and may include hands-on objects, lessons, worksheets, and links to online videos and other resources. Content is correlated to the SOLs. View one of our kits and learn how to borrow these for your classes.



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

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 watersheds, and stormwater. Students can learn what watershed they live in, as well as the impact of individual actions have on their local watershed. Visitors will also learn about best management practices to address stormwater, such as rain gardens and what they can do at their home to help protect water quality and soil health. Visitors will also be able to test their knowledge on aquatics, forestry, soils, and wildlife. Outside the building there will be a raingarden they can visit along with seeing what a cross section of a rain garden and how it filters water to protect water quality and soil health. There will also be interactive signage around the raingarden for visitors to learn more about them.



SOL Correlations

K.5, K.9, K.10, K.11, 1.1(g), 1.4, 1.5, 1.8, 2.1(c), 2.4, 2.5, 2.7, 2.8, 3.1(a), 3.6, 3.8, 3.9, 3.10, 4.1(a), 4.4, 4.5, 4.9, 5.7(f, g), 6.5, 6.7, 6.9, L.S. 6, L.S. 8, L.S. 9, L.S.10, L.S. 11, E.S. 6, E.S. 8, E.S. 10 ENV. 2, ENV. 4, ENV. 5, ENV. 6, ENV. 8, ENV. 9, ENV. 10, ENV. 11, ENV. 12 BIO. 8, BIOLOGY II: ECOLOGY

Department of Wildlife Resources

The Department of Wildlife Resources (DWR) exhibit will be spotlighting how you can Explore and Restore the Wild. Each day will feature a different theme from Raptor presentations on Monday; Pelts, Shells, Scales, and more on Tuesday; Getting Started with Fishing on Wednesday; Safety in the Outdoors on Thursday; and the Snakes of Virginia on Friday. During these presentations DWR staff will be highlighting food webs, adaptations, interdependence, conservation and restoration, and how to stay safe while exploring the wild. Virginia Science SOL that will be touched upon are



K.6, K.8, 1.4, 1.8, 2.5, 3.4, 3.5, 3.8, 4.3, 6.9, LS5, LS6, LS9, LS11, Bio7, Bio 8, Ecology Concepts II-IV, VI



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 24

- Cowboy Mounted Shooting
- Draft Horses & Draft Horse Hitch

Monday, September 27

- Draft Horse Hitch Demo & Performance

Tuesday, September 28

- Draft Horse Hitch Demo & Performance

Wednesday, September 29

- Dressage Demos "Dancing with Horses"

Thursday, October 3

- Mini Horses
- Team Roping

Friday, October 4

- Youth Barrel Race
- Mini Horses





FIRST BANK & TRUST COMPANY PAVILION AND FARM CREDIT PAVILION

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 24

- Open & Youth Dairy Cattle - First Bank & Trust Pavilion
- Open & Youth Dairy Goats - Farm Credit Pavilion
- Boer Goats - Farm Credit Pavilion

Monday, September 27

- Open Sheep Show - Farm Credit Pavilion

Tuesday, September 28

- Open Sheep Show - Farm Credit Pavilion

Wednesday, October 2

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

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

HOME EDUCATORS ASSOCIATION OF VIRGINIA (HEAV) DAY

Friday, September 24

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, September 29 - 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 below.

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, September 30 - 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 1

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.





As the 2021 State Fair of Virginia reopens its doors to fairgoers from across the Commonwealth, the Virginia Lottery is pleased to continue to be a long-standing partner. Our solid partnership with the State Fair dates back more than 30 years to the first weeks following the 1988 launch of the Virginia Lottery. This year we are proud to continue as a sponsor of “Virginia’s Largest Outdoor Classroom” at the State Fair Educational Expo.

You may already know that Virginia Lottery revenues benefit the state’s K-12 public schools, and we are proud that our players have contributed a combined \$11 billion to Virginia public schools over the past two decades. Last year, we contributed more than \$765 million in lottery revenue to support public education across Virginia.

This year more than ever, we are honored to continue with our deep commitment to public education. We also are proud to help sponsor a variety of events, professional development conferences, and other initiatives throughout the year which lift-up Virginia’s students, teachers, and school administrators. We look for every opportunity to thank the dedicated educators who are committed to helping to shape the lives of Virginia’s children.

Brighter days and bigger smiles are ahead, and the Virginia Lottery hopes you will enjoy all of the fun and games offered at the State Fair of Virginia.

Kevin Hall