

Birmingham Community Education's VIRTUAL FALL 2020 AFTER SCHOOL CLASSES

For more information or to register:
www.communityed.net / 248.203.3800

UPDATED 10-6-2020

VIRTUAL LITTLE VET SCHOOL

(Grades 1-5)

Little Veterinarian School encourages children to explore the exciting world of veterinary medicine. Students learn the importance of proper pet nutrition, learn how to care for wounds and apply stitches, how to check for ticks, how to administer medication, and learn about their pet's immune system and vaccinations. Students will receive a stuffed dog and journal in addition to many other supplies to complete each weekly lesson. A \$20 materials fee is payable at the time of registration. Students must register no later than 1 week before the first day of class to allow for delivery of materials to students' homes. Class Zoom link will be emailed to parents before the first day of class.



#16020

Dates: 10/14/2020 - 11/18/2020 (6 sessions)

Wed 5:00 PM - 6:00 PM

Fee: \$90.00

VIRTUAL LITTLE MEDICAL SCHOOL

(Grades 1-5)

In this 6-week course, students will receive their own working stethoscope and learn how the heart and lungs works. They will make models of the brain and spine and identify the bones in the human skeleton. They will also learn how to respond when basic first aid is needed as they make their own first aid kits. Students will receive a diploma at the end of the course. A \$20 materials fee is payable at the time of registration. Students must register no later than 1 week before the first day of class to allow for delivery of materials to students' homes. Class Zoom link will be emailed to parents before the first day of class.



#16021

Dates: 10/15/2020 - 11/19/2020 (6 sessions)

Thu 5:00 PM - 6:00 PM

Fee: \$90.00

YOUNG REMBRANDTS VIRTUAL DRAWING & CARTOONING (Ages 6-12)

A drawing of an irresistible Pizza and an adorable Baby Sloth are in line-up. Our art history lesson will feature a portrait of Native American Leader - Hiawatha. Oh Lucky you! This session features CARTOON DRAWING too!! Hope to see you soon.

#16068

Dates: 10/27/2020 - 11/24/2020
(5 sessions)

Tue 5:00 PM - 6:00 PM

Fee: \$84.00



CHALLENGE ISLAND (Virtual) - Super Star Island (K-5) & (6-8)

This program is an enrichment opportunity for students to grow their skills and knowledge in critical thinking, problem-solving and STEAM (science, technology, engineering, arts, math) fundamentals in each class! In each of these sessions, kids will learn about a "superstar" in history from the worlds of science, education, sports, music and more, and solve STEAM challenges related to that superstar's field. Here's the superstars that we plan to cover each week:



Week 1: Leonardo da Vinci Dive

Week 2: Roberto Clemente Field

Week 3: Fab Four Submarine (The Beatles)

Week 4: Malala's Schoolhouse (Malala Yousafzai)

Week 5: Quarterback Stadium (Tom Brady)

Week 6: Star Mountain (Walt Disney)

Week 7: Tiger Fairway (Tiger Woods)

Week 8: Big Top Tent (P.T. Barnum)

Classes start on Wednesday, November 4, and end on Wednesday, December 23 (8 weeks total). Cost for this class will be \$160 which will include all classes, live instruction from STEAM professionals based locally, and a kit of materials which will be packed for and delivered to each student. When you register for the class, we will send you Zoom links for each session, and also arrange a time window for dropping off the course materials.

#16066 for grades K-5

Dates: 11/4/2020 - 12/23/2020 (8 sessions)

Wednesdays 5:00-5:50 PM

Fee: \$160.00

#16067 for grades 6-8

Dates: 11/4/2020 - 12/23/2020 (8 sessions)

Wednesdays 4:00-4:50 PM

Fee: \$160.00

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VIRTUAL - BOYS HANG OUT WITH FUN AND SOCIAL EMOTIONAL LEARNING (Grades 3- 6)

Boys will have fun doing activities with Legos, Mind Craft, Scavenger Hunts, Games, and Stop Go Motion.

With fun activities will come connection and working on social skills, conversation skills, and problem solving. Mindfulness activities included; Zoom link will be sent prior to class.



KIDS EMPOWERED

#16028

Dates: 11/10/2020 - 12/15/2020 (6 sessions)

Tue 5:30 PM - 6:30 PM

Fee: \$75.00

VIRTUAL - GIRL POWER WITH FLOWER POWER (Grades 3 - 5)

Girls learn how to build self-esteem and confidence, how to help themselves feel better when they are sad or mad, and the do's and don'ts of friendship. They will learn how to grow a confident and empowered girl! Materials fee of \$25 for Flower Power Box is payable at the time of registration; box will be mailed or dropped off prior to class. Zoom link will be sent prior to class.

#16027

Dates: 11/4/2020 - 12/16/2020 (6 sessions)

Wed 6:00 PM - 7:00 PM No class 11/25/2020

Fee: \$100.00

SKYHAWKS is offering over 100 virtual sports classes!
For more information or to register for the virtual camps offered by Skyhawks, go to www.skyhawks.com/virtual

NUTTY SCIENTISTS VIRTUAL CLASSES (Grades K-5)

Interactive and engaging programs that aren't simply a "Science Class" over Zoom! For each of these programs, students receive a supply kit at the containing all of the materials necessary to complete the activities for the entire session. At the beginning of each week, students will receive an email with written instructions for one of the activities in the session. Students then work on that project at their own pace (away from the computer screen). Later in the week, students receive access to a recorded video with further instructions and information about the topic of the week. To finish off the week, we hold an interactive Zoom meeting for students with a Nutty Scientist. At the Zoom meeting, students will have the opportunity to share their projects from the week, ask questions, share about their challenges and successes AND some extra Nutty Challenges (including NUTTY SCIENCE FACTS)! Session 2 features ALL NEW LESSONS! Materials fee of \$10 is payable at the time of registration. Registration deadline is approximately a week prior to beginning date of class.

Explore the wonders of STEAM (Science, Technology, Engineering, Art, Math) like never before! Join the Nutty Scientists for an exciting, hands-on, virtual program and experience multiple mind-blowing AMAZING AIR experiments, awesome POLYMERS, DIY Stomp Rockets AND Launcher Kit, and so much more! The program includes a Supply Kit with all the supplies necessary to complete the weekly activities, written and video instruction for all activities, and weekly Zoom meetings. All kits will be provided to you before the program begins.

In these strange times, my goal was to create interactive and engaging virtual programs that aren't simply a "Science Class" over Zoom! For each of these programs, students receive a kit of supplies at the beginning of the session. The kit will contain all of the supplies necessary to complete the activities for the entire session (some common household items are not included). At the beginning of each week, students will receive an email with written instructions for one of the activities in the session. Students can then work on that project at their own pace. Then, later in the week, students will receive access to a recorded video with further instructions and information about the topic of the week. To finish off the week, we hold an interactive Zoom meeting for students with a Nutty Scientist. At the Zoom meeting students will have the opportunity to share their projects from the week, ask questions, share about their challenges and successes AND some extra Nutty Challenges (including NUTTY SCIENCE FACTS)! I like to keep these Zoom meetings to 25-30 to limit screen time and to maximize student engagement.

- Our virtual programs have four parts:
- Supply Kit
- Written Instructions for one of the activities in the kit are emailed to parents at the beginning of each week
- Pre-recorded Videos – After the students have had a few days to explore the lesson with just the written instructions, a pre-recorded video with additional information about the week's topic is sent out
- Live Zoom Meeting - Students will have the opportunity to share their projects from the week, ask questions, share about their challenges and successes AND some extra Nutty Challenges (including NUTTY SCIENCE FACTS)

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Inventions & Contraptions: Students experience the opportunity to think, dream and design like an **INVENTOR!** Building, designing, engineering! Build Robots, Air Powered Vehicles, a Hydraulic Platform, Catapults, Nutty Challenges, and more! The program includes a Supply Kit with all the supplies necessary to complete the weekly activities, written and video instruction for all activities, and weekly Zoom meetings. For more specifics, here are some additional details for some of the lessons:

- Catapults - Design, Build and Test CATA-PULTS! Learn about accuracy, precision, and angles as they shoot for targets!
- Hydraulics - Learn the power of hydraulics and build your very own hydraulic powered invention
- Art Bots - DIY robot kit that creates colorful art. Dig into the "Nutty" science of ROBOTICS!
- Air Cars – Design and build an air powered vehicle. Learn about the environment and alternative fuels!
- Paper Planes – Explore some conventional AND unconventional paper airplane designs as we explore the physics of flight!

#16041

Dates: 11/03/2020 - 12/15/2020 (6 sessions)

Weekly Zoom Meetings Tue 4:00 PM - 4:30 PM No class 11/24/2020

Fee: \$130.00



Outdoor Adventures: Who knew there was so much adventure just in your backyard? Build model Shelters, DIY Water Filters, Solar Ovens (bake dessert with the power of the sun!), Knots, Sun Dials, and more! The program includes a Supply Kit with all the supplies necessary to complete the weekly activities, written and video instruction for all activities, and weekly Zoom meetings. For more specifics, here are some additional details for some of the lessons:

- Foraging and Nature Journals – Forage like a squirrel with an outdoor scavenger hunt and learn to record and maintain a scientific journal!
- Sun Dials – Build a basic sun dial AND learn how

- to use it to tell time!
- Knots – Learn to tie different kinds of knots and what they are used for. Make your own paracord survival bracelet
- Shelters – Creativity is key as students build a shelter model using only "nutty" supplies. Learn about animals and their shelters in nature
- DIY Water Filters – Build a model water filter, test its ability to purify water and learn about the importance of clean water
- Solar Ovens – Build a Solar Oven and use it to bake dessert with only the power of the sun!

#16043

Dates: 11/04/2020 - 12/16/2020 (6 sessions)

Weekly Zoom Meetings Wed 4:00 PM - 4:30 PM No class 11/25/2020

Fee: \$130.00

The Wonders of STEAM: Explore the wonders of **STEAM (Science, Technology, Engineering, Art, Math)** like never before with **Nutty Scientists!** Investigate multiple mind-blowing AMAZING AIR experiments, awesome POLYMERS, DIY Stomp Rockets AND Launcher Kit, and so much more! The program includes a Supply Kit with all the supplies necessary to complete the weekly activities, written and video instruction for all activities, and weekly Zoom meetings. For more specifics, here are some additional details for some of the lessons:

- Amazing Air – Explore the super powers of air with multiple mind-blowing air experiments
- Polymers – Students learn about atoms, molecules and polymers and get to experiment with multiple types of polymers
- Bridges – Become an engineer, building strong bridges with some not very strong materials

#16046

Dates: 11/05/2020 - 12/17/2020 (6 sessions)

Weekly Zoom Meetings Thu 4:00 PM - 4:30 PM No class 11/26/2020

Fee: \$130.00