



MathScience Innovation Center

# LITTLE INNOVATORS!

An Adult-Child Program for Grades K—3

Choose from Two Sessions: January 12 or 19, 2019

9:30 a.m. to 12:00

**Little Innovators awakens the creativity, curiosity, and innovation in every child.**

Together students and adults explore the world of science, technology, engineering, and math through design-and-build activities, hands-on experiments, and engaging problem solving challenges.

**Encourage your little innovator to investigate, discover, and grow!**



<b>Grades K-1</b>	<p><b>Coding Is Ozobot Easy</b> Ozobot is a robot that can read code while zooming across a card, paper, or even an iPad. Can you get this tiny robot to finish a maze or your own creation? Become an Ozobot expert! Coding is colorful and simple with this versatile robot.</p> <p>Choose one date: Jan. 12 or 19 at MSiC location only</p>	<p><b>Power of Play</b> Bring out your playful, imaginative, and investigative side. Together, children and adults will investigate the science and math behind the marvelous invention known as TOYS. Using inspiration from traditional toys, students will design and engineer their own marvelous invention to take home.</p> <p>Choose one date: Jan. 12 or 19 at MSiC and Gayton ES</p>
	<p><b>Number Ninjas</b> Through a variety of fun and challenging games, you will begin to recognize and describe important patterns in our number system. Use your ninja skills to create your own patterns and see numbers in a different and exciting way. Bring home your own portable games to play with friends and family!</p> <p>Choose one date : Jan. 12 or 19 at MSiC location only</p>	<p><b>WeBotics</b> Have you ever seen a robotic zoo? With Legos you'll get to build the latest member of the MSiC zoo. Not only that but you get to program your robotic creation to move and make sounds using Lego WeDo programming. Plug into your creative side and let's build a zoo.</p> <p>Choose one date: Jan. 12 or 19 at MSiC location only</p>
	<p><b>Winter Wonderland</b> Have you ever wondered what snowmen do at night? Come and learn more about the fun snowmen have while you're resting in your warm bed! Through technology and hands-on experiments, you'll discover amazing properties of ice and water while investigating winter through your five senses. You'll even be challenged to engineer your own indoor snowball launcher!</p> <p>Choose one date : Jan. 12 or 19 at MSiC and Gayton ES</p>	

<b>Grades 2-3</b>	<p><b>Build A Bot</b> Create your very own nanobot and engineer it to complete given tasks. Can you create a vehicle for your bot? Can you get it to travel in a straight line? How fast can you make it travel? Bring your nanobot home with you and explore even more!</p> <p>Choose one date: Jan. 12 or 19 at MSiC location only</p>	<p><b>Little Coders</b> Create a bubble pop game with sound effects and a maze using Scratch programming and your imagination. Using simple drop and drag commands learn the basics of coding to make characters move, disappear, play sounds and more. Play all the games you create at home with your friends.</p> <p>Choose one date: Jan. 12 or 19 at MSiC and Gayton ES</p>
	<p><b>Electronic Switchery</b> Would you like to build an electronic circuit that can make a wheel fly into the air or a musical doorbell? Using a nifty set of electronic building blocks, explore electricity and make some "shocking" discoveries! Take home your very own light saber.</p> <p>Choose one date: Jan. 12 or 19 at MSiC and Gayton ES</p>	<p><b>Lunar Landers</b> Blast off for a Lunar adventure! Learn what it takes to live and work on our nearest neighbor in space. Create a lander for a rover. Build and program a rover to travel across treacherous terrain. Manufacture systems you need to survive in the harsh environment on the Moon.</p> <p>Choose one date: Jan. 12 or 19 at MSiC location only</p>
	<p><b>Roaming Robots</b> Using Rover, an easy-to-use, friendly robot, explore the world of robotics and math. Discover mathematical patterns within shapes and estimate distances Rover will travel. For the grand finale, use programming language to teach Rover to overcome mathematical obstacles you have created.</p> <p>Choose one date: Jan. 12 or 19 at Gayton ES only</p>	

## Program Details

### A parent/guardian, grandparent, or other responsible adult must accompany each child.

Students in grades K- 3 currently enrolled in the following public school divisions are eligible to participate at either location: Chesterfield, Colonial Heights, Hanover, Henrico, King William, Petersburg, and Richmond). Please check the grade levels of each course and the location carefully. Only register your child for a class appropriate to their grade level. Younger siblings may not attend class.

- Dates:** Saturday, January 12 or Saturday, January 19, 2019  
Snow Date is February 2, 2019
- Time:** 9:30 AM to 12 PM
- Locations:** **Gayton Elementary**, 12481 Church Road, Richmond, VA 23233  
**MathScience Innovation Center**, 2401 Hartman Street, Richmond, VA 23223
- Cost:** \$15 per class (includes 1 student and 1 adult)



Check our website, [www.mysic.org](http://www.mysic.org) for other programs offered throughout the school year including additional Little Innovators programs, Discoverers for grades 4-5, and Let's Innovate for grades 6-8.

For additional information, please contact the MathScience Innovation Center at (804) 343-6525.

## How to Register

- By credit/debit card online at [www.myMSiC.org](http://www.myMSiC.org).
- By Check/Money Order: mail in the registration form below along with payment to : MathScience Innovation Center, Attention: Debbie Mitchell, Saturday/Summer Registration, 2401 Hartman Street, Richmond, VA 23223.
- Registration will be continuously accepted until a class is filled.

Online registration available at [www.myMSiC.org](http://www.myMSiC.org)

**Register today! Classes fill quickly!**

### Registration Form: Little Innovators: Winter

January 12 or 19, 2019

Student First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_ Male/Female: \_\_\_\_\_

School Division: \_\_\_\_\_ School: \_\_\_\_\_ Grade (circle) K 1 2 3

Student Allergies: \_\_\_\_\_ Activity Restrictions/Special Needs: \_\_\_\_\_

Parent/Guardian First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Parent Email \_\_\_\_\_  Yes, send notifications by email.

Phone \_\_\_\_\_ Emergency Phone \_\_\_\_\_

Home Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**Permit student photos/video**  YES  NO  
MSiC records photographs and video of all campus events to promote our educational services. You or your child's image may appear in printed or online advertising. Student identity is not published.

**We will adhere to the MSiC Network Use Policy**  
Policy available at: <http://mysic.org/pdf/networkpolicy.pdf>  YES  NO

**Please enter the course name, date, and circle the location. Check our website for directions.**

Course Name: \_\_\_\_\_ Date: \_\_\_\_\_ Location: (circle one) MSiC Gayton ES

Course Name: \_\_\_\_\_ Date: \_\_\_\_\_ Location: (circle one) MSiC Gayton ES