



# Science, Technology, Engineering & Math Magnet

## Newsome Park Elementary School

4200 Marshall Ave. • Newport News, VA 23607



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### What is the magnet program at Newsome Park Elementary: Innovation Through Science, Technology, & Math?

The Magnet Program at Newsome Park Elementary is all about igniting curiosity and shaping the next generation of innovators, problem solvers, and leaders through hands-on experiences in science, technology, engineering, and mathematics (STEM). Our students dive into real-world challenges, develop collaborative skills, and embrace a mindset built for exploration. At Newsome Park, we create a dynamic and supportive learning environment that goes beyond academics, empowering students to think critically, solve problems, and connect what they learn to the world around them.



### What makes the STEM Magnet Program at Newsome Park Elementary distinctive?

STEM Magnet students benefit from curriculum and classroom enrichment opportunities that cultivate curiosity, critical thinking, and collaboration through hands-on, real-world applications. Key features include:

- **Magnet Classrooms in Grades 3-5** - Magnet students are placed with a STEM-focused teacher and are provided unique magnet opportunities that enrich their learning throughout the school year.
- **Outdoor Learning Spaces** - Newsome Park Elementary boasts several outdoor learning spaces that incorporate natural elements like a watershed garden, pollination plants, a water feature, and rocks to inspire hands-on exploration and scientific inquiry. It is an adaptable and engaging space that allows for a variety of experiments and collaborative learning opportunities.
- **Innovative Instruction** - Students attending Newsome Park Elementary participate in a unique iSTEM class weekly. This class is taught by a dedicated STEM-focused teacher who encourages students to apply engineering design, design thinking, and computational thinking skills to solve real-world problems. This approach aligns with the Virginia Standards of Learning and integrates STEM careers, preparing students for future opportunities.
- **Professional Partnerships** - Through field experiences and in-school outreach programs, students learn from local STEM professionals and connect with organizations including The Mariners' Museum and Park, Jefferson Lab, James River Association, Hampton History Museum, and Newport News Shipbuilding.
- **Advanced Technology** - Students have access to cutting-edge tools like 3D printers, programmable robots, and virtual reality. These resources are integrated into innovative classroom learning opportunities.
- **Enrichment Opportunities** - Magnet students have the opportunity to try out for the competitive robotics team. Students may also showcase leadership skills through the STEM Ambassador program.

## What is required of STEM Magnet students?

Students in the STEM Magnet Program are expected to maintain high standards in academics, attendance, and behavior.

### Enrichment Opportunities Beyond the Classroom:

- **STEM Clubs:** Robotics Club, Master Gardeners Club
- **Community Partners:** Brooks Crossing Innovation Lab, Jefferson Lab, James River Association, Hampton Roads Sanitation Department, Newport News Waterworks, The Mariners' Museum and Park, Hampton History Museum
- **Regional & Division-wide STEM Impact:** Student opportunities for leadership and active participation in impactful STEM events, including the regional FIRST Lego League (FLL) Tournament and the Division-wide Elementary Engineering Design Challenge

The STEM program at Newsome Park Elementary prides itself in guiding students from foundational skills to advanced, real-world applications, in alignment with NNPS's commitment to preparing students to be *college, career, and citizen-ready*.

### How to apply:

Interested students must submit a Magnet School Application by the December deadline. Applications are available online at [www.nnschools.org/magnet](http://www.nnschools.org/magnet). For assistance, contact the NNPS Magnet Office at (757) 283-7850 ext. 10206.

Transportation is provided for all magnet program students residing in Newport News.



**Newsome Park**  
ELEMENTARY SCHOOL  
**STEM**  
MAGNET PROGRAM

## Who is eligible?

All rising third, fourth, and fifth-grade students with a keen interest in STEM are welcome to apply. Rising 6th-grade magnet students from Deer Park, Newsome Park, and Discovery STEM Academy are given priority for middle school enrollment into the STEM magnet program at Crittenden Middle School. Student applicants will be selected through a lottery process.



### How can I find additional information?

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