

Math, Science, & Technology Magnet



The Program

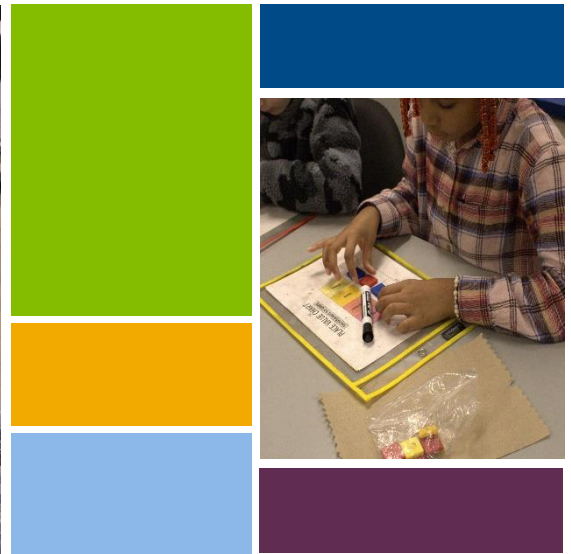
The Yorktown Elementary Magnet School provides students in grades 1–5 with enriched instructional opportunities with an emphasis on scientific inquiry, mathematical problem solving, and the engineering design process. Topics are designed to encourage critical thinking and prepare students for globally relevant careers. As young mathematicians and scientists expand their learning horizons, they develop collaborative problem-solving skills and an interdisciplinary approach to learning. Students complete rigorous learning modules through the nationally recognized STEM program, Project Lead the Way.

Eligibility

Current Yorktown Elementary students will attend the magnet unless opted out by their parents or guardians. The remaining slots may be applied for by other YCSD elementary students and York County residents who are currently enrolled in private schools. Non-county residents may attend on a tuition-basis.

Application Process

Applications are available in each elementary school and at the School Board Office. Dates and times for the submission of completed applications for the next school year may be obtained from Yorktown Elementary School. Applications are grouped by grade level for random, lottery-style selection. *Non-county residents must apply through the non-resident application process.



Curriculum Connections

The Math, Science & Technology Magnet integrates math and science into the other academic areas of English, reading and history through the use of technology and multi-disciplinary activities. This integrated approach exposes students to traditional courses, such as physical education, music, art and library, with the addition of a STEM lab using the nationally recognized Project Lead the Way program.

STEM

- Nationally recognized program, Project Lead the Way
- Integration across the curriculum
- STEM design challenges and scheduled instruction in Makerspace
- Learning through doing
- Technology integration
- Focus on the engineering design process

Technology

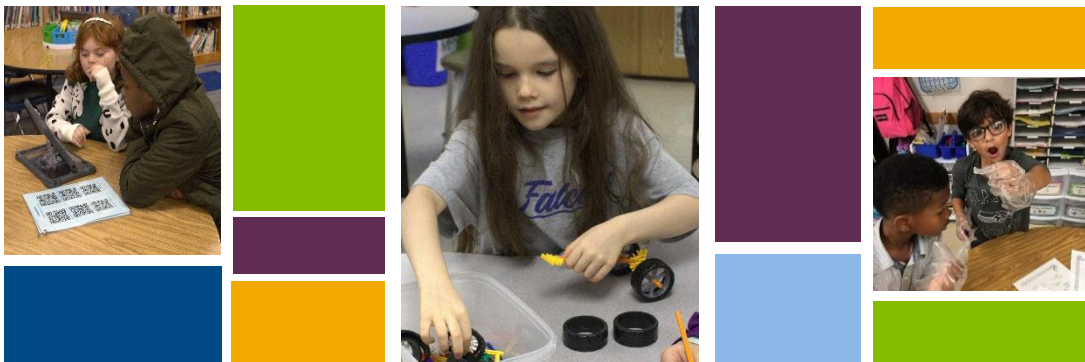
- Robotics
- E-Missions
- Technology Application Lessons
- Coding/Programming Robotics (Code & Go Mice, Dash & Dot, BeeBots, Sphero, Ozobot, VEX, EV3 Lego, Parrot Drones, Hummingbird)
- Digital Breakout
- Virtual Reality

Math and Science

- Star Lab Planetarium
- Classroom hands-on investigation
- Monarch Initiative
- Student Bayport Credit Union branch
- Number talks
- Financial Literacy Lessons
- Entrepreneur club
- Environmental Science Exploration

Partnerships

- Virginia Institute of Marine Science
- NASA
- Virginia Air and Space Museum
- Virginia Living Museum
- Jefferson National Accelerator Facility
- BayPort Credit Union
- Waterman's Museum



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