

Math, Science, & Technology Magnet



The Program

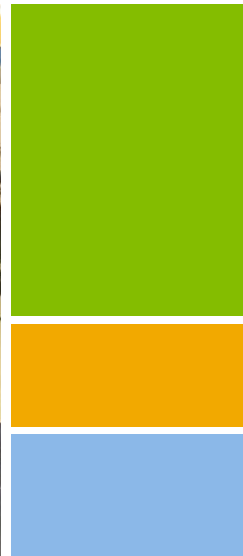
The Yorktown Elementary Magnet School provides students in grades 1–5 with enriched instructional opportunities with an emphasis on scientific inquiry and mathematical problem solving. Topics are designed to encourage critical thinking and prepare students for globally relevant careers. As young mathematicians and scientists expand their learning horizons, they develop collaborative problem-solving skills and an interdisciplinary approach to learning. Students participate in a wide variety of math, science, and technology activities that facilitate the development of scientific inquiry skills. “Exploratoriums,” delivered in a resource setting, integrate instructional technology and focus on various aspects of science and mathematics.

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, York County residents who are currently enrolled in private schools, as well as non-county residents. Accepted 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.



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, but with the addition of Math and Science Exploratoriums.

Math

- Stock Market Game
- Integration of Math and Technology
- Student Bayport Credit Union Branch
- Problem of the Day
- Financial Literacy Lessons

Science

- Star Lab Planetarium
- Focus on Experimental Design/Scientific Method
- STEM Challenges
- Science Fair
- Hands-on Investigation
- Paseo Science Probes
- Monarch Initiative

Technology

- First Lego League Robotics
- E-Missions
- Technology Application Lessons
- Programming Drones
- Coding
- Digital Breakout

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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