



Applied Leadership

A variety of school activities, clubs, and competitions provide students with opportunities to cultivate their leadership skills. Community-building and social interactions are integral components of the program. The student Advisory Board provides another opportunity for leadership, along with planning of student travel experiences, and service to GSST and the community.

Admissions Procedures

Admission to the Governor's School is highly competitive. It is recommended that those interested in attending apply to the *Pre-Admissions Series* Program (PAS).

- Students apply to the PAS in their 8th or 9th grade year. Test scores, teacher recommendations, and grades are used to determine which students will be accepted. During their 9th and 10th grade years, selected students will participate in informational sessions acquainting them with the Governor's School program model, the features of each of the three academic strands, and course prerequisites necessary for acceptance into each strand. **Acceptance into the PAS does not guarantee acceptance into the Governor's School.**
- In their 10th grade year, students interested in the Governor's School must submit a formal application. Students will be screened based on their strand selection. Each academic strand has specific prerequisites necessary for acceptance. Additional criteria such as 9th and 10th grade transcripts, testing data, and teacher recommendations will serve to finalize the selection of candidates for admission. Due to the highly-competitive applicant pool, it is recommended that students enroll in the most rigorous math and science courses offered at their home high school. Final selection for the Governor's School will occur in the spring of the 10th grade year.

For more information, visit www.nhrec.org/governorsschool



THE GOVERNOR'S SCHOOL for SCIENCE AND TECHNOLOGY

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fax (757) 766-3591



THE GOVERNOR'S SCHOOL for SCIENCE AND TECHNOLOGY



Dedicated to
developing academic
and leadership
talent in science and
technology.



Gloucester County Public Schools

Hampton City Public Schools

Newport News City Public Schools

Poquoson City Public Schools

Williamsburg-James City County Public Schools

York County Public Schools



Multifaceted, Rigorous Academics

The Governor's School for Science and Technology is a two-year, half-day program for 11th and 12th graders. Additional courses are taken at the home high school to complete an Advanced Diploma. Each strand provides a unique emphasis on both the science subject matter and associated career fields. Students are able to participate in one of the following three strands:



• **Engineering Strand** involves an intense, rigorous study of fundamental principles of engineering and calculus-based physics.



• **Biological Science Strand** provides insights into inorganic and organic chemistry, cell and molecular biology, genetics, and the diversity and physiology of organisms.



• **Scientific Programming Strand** builds conceptual knowledge and problem solving skills in the areas of software development, modeling and simulation of discrete and continuous systems (such as gaming, population dynamics and traffic flow) and topics in non-calculus based physics.

My daughter would not have gotten early acceptance into MIT without the support of the Governor's School. Thanks for the many opportunities that the Governor's School has provided her.

GSST Parent

Scientific Strands

	Junior year	Senior Year
ENGINEERING	Calculus-based Physics I Research Methodology & Ethics Calculus	Calculus-based Physics II Environmental Science: Research Applications/ Mentorship Multi-Variable Calculus or Statistics
BIOLOGICAL SCIENCE	Advanced Chemical Analysis Research Methodology & Ethics Pre-Calculus	Advanced Biological Analysis Environmental Science: Research Applications/ Mentorship Calculus, Multi-Variable Calculus, or Statistics
SCIENTIFIC PROGRAMMING	Scientific Programming I & Inquiry Physics Research Methodology & Ethics Pre-Calculus	Scientific Programming II & Inquiry Physics Environmental Science: Research Applications/ Mentorship Calculus, Multi-Variable Calculus, or Statistics

With small class sizes and advanced-degreed faculty, the learning environment at the Governor's School is truly unique. Each course has been specifically structured to incorporate best practices for gifted students.

Such practices include:

- **inquiry-based, collaborative curriculum**
- **problem-solving skills**
- **application of knowledge**
- **laboratory investigations**
- **advanced scientific technologies**
- **deep, conceptual learning and understanding**

Scientific Research Experience



During their two years at the Governor's School, students will experience hands-on science through classroom experimentation and individualized project research.

The junior year research experience involves:

- various aspects of research methodology
- ethics and statistics
- critical thinking skills
- scientific writing and communication skills
- a research project for submission to the Tidewater Science Fair

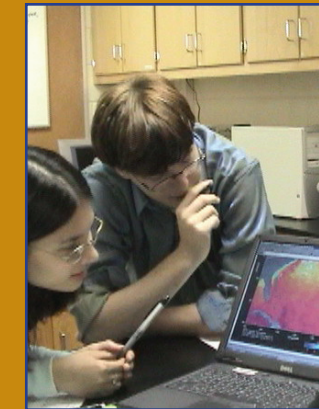


During the senior year, students participate in an **Honors Research and Mentorship** experience with a professional. The opportunity to work with a professional in research is an invaluable experience toward career pursuits. The senior year research experience involves:

- a written research proposal
- collection and analysis of data
- a written research document
- oral presentation of work at the annual Spring Research Symposium

As I matriculate to Columbia University in the fall, I can say, with full confidence, that I have permanently narrowed my career interests...the Honors Research and Mentorship has forever changed my outlook.

Niket Pandey, Senior,
Bethel High School, Hampton



The Virginia Tech Physics Department has been fortunate enough to recruit several students from The Governor's School for Science and Technology. Governor's School students have a very strong academic foundation, good study skills and outstanding problem-solving skills. GSST prepares students for any rigorous college curriculum.

Diane L. Walker-Green
Virginia Tech – Physics Department
Undergraduate Student Coordinator

New Horizons Regional Education Center does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies.

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