FREQUENTLY ASKED QUESTIONS

Who can apply?
Rising ninth graders with a strong interest in one of the three program areas can apply. Selection is competitive.

How will participation in STAT affect my school day?
Students attend classes at both their program school and their base attendance school. Transportation between schools is provided. Students join clubs, and participate in activities and sports at their base school.

How does STAT prepare students for college?
STAT is academically and technically rigorous. Project-based learning and integration of knowledge across the curriculum are, according to research, the best preparation for college.

What is required for STAT Academy admission?
An application packet is available in each middle school counseling office and on the Stafford County Public Schools website in early January. Admission is based on grades, teacher recommendations, SOL scores, attendance, activities and statement of interest.

What about AP classes?
STAT students prepare for college and career success by combining rigorous academics with technical knowledge in career areas that interest them. AP classes are encouraged in fields of interest, and opportunities for AP / DE classes are available within the cohorts and at base schools.

Why STAT?
STAT, a Governor’s STEM Academy, creates a cohort of like-minded students working together throughout the four-year program; course content is integrated to create a coherent learning experience. Service-learning, mentoring and research projects build skills that serve as a foundation for college success.

STAT prepares students for majors in STEM fields (science, technology, engineering or mathematics, including computing, health and medicine.) Students develop curiosity and diligence which, along with academic achievement, are essential to further education and high-skill employment. STAT cultivates skills essential in the 21st century workplace. Students are expected to:

- think creatively and implement innovation
- use systems thinking to solve complex, multi-step problems
- communicate clearly and collaborate
- locate, evaluate and manage information
- adapt to change
- work independently
- gain expertise through self-directed learning
- value diversity
- show accountability
- lead and respect others

For more information, visit:
www.staffordschools.net
Click on Career and Technical Education and
Stafford Academy for Technology (STAT)
Brooke Point High School
INFORMATION TECHNOLOGY

According to the Bureau of Labor and Statistics, Information Technology careers represent 6 of the 30 fastest growing occupations, and are all among the top 20% in wages. Students can specialize in either Computer Hardware Networking Operations (CISCO), or Programming. Either track prepares students for college study in Information Technology or Computer Science.

Cohort Classes
- Cybersecurity Fundamentals (9th)
- Advance Programming (10th)
- AP Computer Science (11th)
- AP Computer Principles (11th)
- IB Computer Science(12th)
- Cybersecurity Software Operations(12th)

SAMPLE COHORT SCHEDULE

<table>
<thead>
<tr>
<th>MATH</th>
<th>SCIENCE</th>
<th>ENGLISH</th>
<th>PLTW</th>
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</thead>
<tbody>
<tr>
<td>Honors Geometry</td>
<td>Honors Earth Science</td>
<td>Honors English 9</td>
<td>Cyber-security</td>
</tr>
<tr>
<td>Algebra</td>
<td>Honors Biology</td>
<td>Honors English 9</td>
<td>PBS</td>
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</tbody>
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North Stafford High School
ENGINEERING

Engineering and science employment is projected to increase by 50% through 2021. Project Lead the Way curriculum immerses students in real-world STEM projects, which are presented and solved at college level. Students use the software and equipment utilized by industry and universities.

Cohort Classes
- Introduction to Engineering Design (9th)
- Principles of Engineering (11th)
- Digital Electronics (10th)
- Aerospace Engineering (10th)
- Civil Engineering (11th)
- Computer Integrated Manufacturing (11th)
- Engineering Developmental Design (12th)

North Stafford High School
BIOMEDICAL SCIENCES

The Bureau of Labor and Statistics projects the health services sector will have the highest percentage of growth among all clusters through 2024. Project Lead the Way curriculum prepares students for health and science college and career opportunities. Students solve problems related to cell biology, anatomy, physiology, genetics, pathology, medical intervention, and medical science research.

Cohort Classes
- Principles of Biomedical Science (9th)
- Human Body Systems (10th)
- Medical Interventions (11th)
- Biomedical Innovations (12th)

SAMPLE TRAVEL SCHEDULE:
9/10: Travel 3rd & 4th block
Leave base school: 10:20
Leave STAT school: 1:50
11/12: Travel 1st & 2nd Block
Leave base school: 7:30
Leave STAT school: 10:20