



Accomack County Public Schools

STEM Academy Application

STUDENT APPLICATION

Student's Last Name	First Name	Grade:	Age:
		Student Email:	
School		Student ID #	

CONTACT INFORMATION

Parent's Last Name	First Name	Home Phone
Street Address		Cell Phone
City	Zip	Parent's Email:

Outlook on STEM

The return on investment in STEM education for students, businesses, and educators comes through loud and clear in the Commerce Department report. American business needs to help determine what young people should know and be able to do as a result of their college experience and then help them get there. This entails partnerships with colleges and universities and linking STEM educational initiatives to industry growth strategies.

Parental Approval

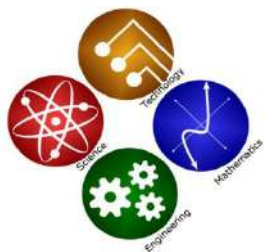
Accomack County STEM (Science, Technology, Engineering, and Mathematics) Academies offer 9th grade students' early access to specialized instruction. The Academies are designed for students who want extra preparation in a STEM field. There are five pathways in the Academies: Engineering, Welding, Computer system Technology, Fire Science, and LPN. Each pathway emphasizes the development of problem solving, critical thinking, and hands-on skills. Students will practice real-world scenarios, complete concentrated research, and complete capstone projects. The Accomack County STEM Academies prepare you to competitively pursue rigorous college studies in the fields of engineering, medicine, science, and technology after graduation.

I agree that my student will follow the four year sequence of courses which, when combined with challenging math, science, and dual enrollment courses, rigor and discipline of the specialized field of study, prior to enter college.

Parent Signature

Date

Accomack County Public Schools does not discriminate in admission, access, treatment or employment in its programs and activities on the basis of race, sex, age, national origin, religion, or handicapping condition.



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Applicant's Name:

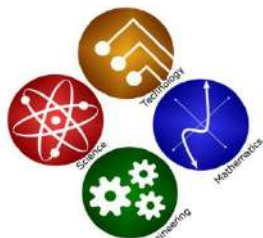
Please select one STEM Academy

Please note: If you select more than one academy your application will not be considered.

- ☐ Engineering
- ☐ Welding
- ☐ Computer System Technology
- ☐ Fire Science
- ☐ Pre-Nursing

Additional requirements (Please use forms I this application packet)

- Two (2) Teacher Recommendations
 - For each STEM Academy they **must** be the most recent Math, Science, and/or English teacher
- If you are a student who is homeschooled or a student who is currently attending a non-public school, please provide grade transcripts and test scores, if available.
- One (1) State of Interest from the student
- Academic Performance – The STEM program requires students to complete Advanced Placement and Dual Enrollment courses in Math and Science. It is highly preferred that applicants are enrolled or completed Algebra I before the start of their selected STEM program.
The STEM program is highly competitive therefore to maximize your chances of getting accepted you must have a minimum of a 425 on the Algebra I SOL. You must also have a minimum grade of a B in all science courses taken in Middle School.



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STATEMENT OF STUDENT INTEREST

Applicant's Name:

Please tell us why you are interested in the Accomack County STEM Academy. Include the following topics in your statement. The applicant's response must be typed in MS Word using Times New Roman, 12 pt., double-spaced, and two pages in length. Be sure to sign your name at the end of the statement (See attached Rubric)

- ❖ Your interest in the STEM Academy explained by future college, military, or career interests
- ❖ Your accomplishments in STEM
- ❖ Participation in STEM and Non-STEM after school activities
- ❖ Participation in STEM and non-STEM summer programs

WORD
Document



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TEACHER RECOMMENDATION

Applicant's Name:

Teacher's Name _____

In which subject(s) did you teach the applicant? _____

How long have you known the student? _____

Please rate the applicant on each of the following characteristics:

Check only one (1) rating or it will <u>not</u> be considered.	Cannot Rate	Lowest		Average		Highest
	0	1	2	3	4	5
Interest in your content area						
Content Area Knowledge						
Understanding of Concept/Skills						
Motivation						
Effort						
Behavior						
Dependability						
Working with others						
Character						
Communication Ability						
Use of Technology						

Additional Teacher Comments:

Teacher Signature

Teachers, please return recommendations to the Applicant when completed.



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Applicant's Name:

Teacher's Name _____

In which subject(s) did you teach the applicant? _____

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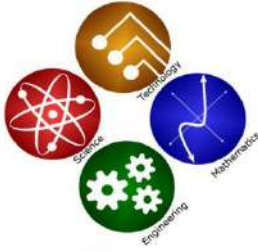
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Teacher Signature

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Applicant's Name:

STEM Academy Application Rubric

Section 1: To be evaluated by middle school guidance counselor:

Minimum Requirements Met:

Completed Application	_____
Two Teacher Recommendations	_____
Student Statement of Interest	_____
Completed Algebra 1 course	_____
Achieved Passing Score on Algebra 1 SOL Test	_____

*Check if minimum requirements met

Please forward the complete application to the Guidance Office of your school.

Section 2: To be evaluated by the STEM Academy Committee:

	Category	Weight	5	4	3	2	1	0	TOTAL
Essay-Evidence of Interest in STEM Subjects	Passion for STEM program with Future Plans	3		Student is very passionate to pursue a STEM college path and career.	Student states a passion to pursue a STEM college path and career.	Student states an interest to pursue a STEM college path and career.	Student clearly states a passion to pursue a non-related STEM college path and career.	Student does not provide a passion for any program.	
	Student accomplishments in STEM	3		Student lists three or more accomplishments in STEM.	Student lists two accomplishments in STEM.	Student lists one accomplishment in STEM.	Student lists only hobbies and activities that are not related to STEM.	Student does not list hobbies and activities.	
	Participation in related activities after school	1		Participates in at least three related after school activities.	Participates in at least two related after school activities.	Participates in only one related after school activities.	Participates in after school activities that are not related.	Does not participate in after school activities.	
	Participation in STEM summer programs	1		Participates in three STEM summer programs.	Participates in two STEM summer programs.	Participates in only one STEM summer programs.	Participates in only non-STEM summer programs	Does not participate in summer programs	
	Grammar, Spelling and sentence structure	2		There are no grammar, spelling and sentence structure mistakes found within the essay.	There are one-two grammar, spelling and sentence structure mistakes found in the essay.	There are three grammar, spelling and sentence structure mistakes found within the essay.	There are four grammar, spelling and sentence structure mistakes found within the essay	There are five or more mistakes found within the essay.	
Evidence of Academic Success	Q1-Q3 GPA	3	4.0	3.99-3.5	3.49-3.0	2.99-2.5	2.49-2.0	>2.0	
	SOL Math Score	1	Advanced	Within 10 points of Advanced Score	Proficient	Within 10 points of Proficient Score	Below Proficient	None Provided	
	SOL Reading Score	1	Advanced	Within 10 points of Advanced Score	Proficient	Within 10 points of Proficient Score	Below Proficient	None Provided	
	SOL Science Score	1	Advanced	Within 10 points of Advanced Score	Proficient	Within 10 points of Proficient Score	Below Proficient	None Provided	
Completion of a STEM	Teacher # 1 Evaluation	3	45-50 points	39-44 points	38-33 points	27-32 points	Below 26 points	None Provided	
	Teacher # 2 Evaluation	3	45-50 points	39-44points	38-33 points	27-32 points	Below 26 points	None Provided	
		20							

Evaluated by: _____

Date: _____