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Ms. Sabrina Vélez Payne  
*School Counselors*



# ***THE MOUNT VERNON STEAM ACADEMY***

## ***2019-2020 SCHOOL PROFILE***

The Mount Vernon STEAM Academy(MVSA) is a modern comprehensive high school which provides an exciting interdisciplinary approach to learning where rigorous academic concepts are coupled with real-world lessons as students apply Science, Technology, Engineering, Arts, and Mathematics in context that make connections between school, community, work, and the global society, enabling the development of STEAM literacy and with it, the ability to compete in the new economy.

MSVA is using an exciting Problem-Based Learning curriculum that integrates a transdisciplinary approach that supports all subject areas around the United Nations Sustainable Development Goals bringing a realness and relevance to our community. Students at the Mount Vernon STEAM Academy will be interacting and learning with innovative and current 21st Century digital curriculum and tools that will use the 4 C's of Collaboration, Communication, Creativity, and Critical Thinking across content areas to develop collective and personalized learning situations for solutions to global STEAM issues. Moreover, a strong foundation in engineering will be set forth for students at MVSA. Project Lead the Way, a leader and partner in engineering education, has several elective tracks that will be afforded for our students. During the 2020-2021 school year, the engineering track will continue as we systematically increase offerings to include Computer Integrated Manufacturing to our foundational courses. The Biomedical Science track will expand to include Human Body Systems.

### **EXTRA-CURRICULAR ACTIVITIES**

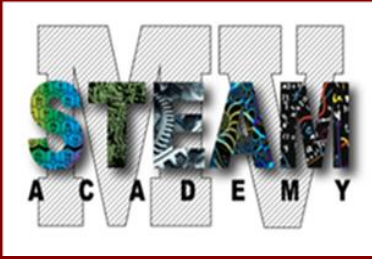
The Mount Vernon STEAM Academy students participate in a number of extracurricular activities. These activities include National Honor Society, Language Honor Society, Robotics Club, Math Team, Lehman College PCOPP and many more. In addition, the students also participate in Junior Varsity and Varsity sports with the Mount Vernon High School sports program in the high school division.

### **CURRICULUM**

Over 50 courses in a variety of areas are offered. An honors program is offered in English in grades 9 and 10. Advanced Placement courses are offered in English Literature & Composition, English Language, United States History, United States Government & Politics, World History, Calculus AB, Biology, Computer Science, and Spanish Language. The Mount Vernon STEAM Academy students followed a prescribed STEM sequence that adheres to the National Academies of Engineering and the United Nations Sustainable Development Goals and Standards. Partnering with Project Lead the Way (PLW) MVSA, students follow a computer science, engineering, and biomedical science pathway.

### **AVID (Advancement Via Individual Determination)**

In an effort to bridge the gap to rigorous higher-level courses, all students at the MVSA will take AVID (Advancement Via Individual Determination).



**THE COMMUNITY**

Mount Vernon is a city of approximately 68,000 people located in Westchester County and adjacent to New York City. Primarily a residential suburb, the city has some light industry and a well-developed business section. The Mount Vernon City School District celebrates diversity and is committed to providing a quality and nurturing educational program that recognizes the uniqueness of all students and allows them to reach their potential.



**THE MVSA DIFFERENCE**

The student at the Mount Vernon STEAM Academy has the opportunity to take pre-college programs as well as earn an Associate degree with our vast variety of enrichment programs.



NYS GRADUATION REQUIREMENTS:		THE MOUNT VERNON STEAM ACADEMY:	
COURSES	Units	COURSES	Units
English	4	English	4
Social Studies	4	Social Studies	4
Mathematics	3	Mathematics	3
Science	3	Science	3
Foreign Language	1	Foreign	1
Art or Music	1	AVID	4
Health	0.5	Health	0.5
Physical Education	2	Physical	2
Electives	3.5	PLW	4
		Art or Music	1
<b>Total (min)</b>	<b>22</b>	<b>Total</b>	<b>26.5-30</b>

EXAMINATIONS: <b>ADVANCED REGENTS DIPLOMA (additional examinations needed):</b>	
NYS Comprehensive Regents in English	NYS Regents in Mathematics (Geometry, Algebra 2 & Trigonometry)
NYS Regents in Mathematics	NYS Regents in Science
NYS Regents in Global Studies	Local Exam in Foreign Language
NYS Regents in U.S. History	
NYS Regents in Science	

**COURSE WEIGHTING**

(AP) Advanced Placement	1.10
(H) Honors	1.05
(R) Regents	1.0
All other courses receive a weight of 1.0	

**The Mount Vernon City School District GRADING SCALE**

100	4.0	81	2.6
99	3.95	80	2.5
98	3.94	79	2.4
97	3.93	78	2.3
96	3.92	77	2.2
95	3.91	76	2.1
94	3.9	75	2.0
93	3.8	74	1.9
92	3.7	73	1.8
91	3.6	72	1.7
90	3.5	71	1.6
89	3.4	70	1.5
88	3.3	69	1.4
87	3.2	68	1.3
86	3.1	67	1.2
85	3.0	66	1.1
84	2.9	65	1.0
83	2.8	64-50	0.0

**SPECIAL RECOGNITION**

**National Honor Society**  
**Tau Epsilon Pi**  
 G.P.A. of 85 for grade 9; G.P.A of 90 for grades 10 & 11 grade G.P.A. of 85 for every year

**Academic Honors**  
 G.P.A of 88 or higher with no more than one failure during 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup>

It is the policy of the Board of Education that Mount Vernon STEAM Academy does not rank students.

**CLASS OF 2021 WILL BE THE FIRST GRADUATING CLASS FOR THE MOUNT VERNON STEAM ACADEMY**

