

STEM Academy Parent Newsletter

Denise Vittor, Principal
Celia Foster, Assistant Principal / STEM Director
Kevin Suen, STEM Coordinator

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Mission Statement

The mission for the STEM Academy of GCHS is to empower all students in the mastery of STEM skills leading to viable and attainable 21st century career options.

About Our STEM Academy

Here at Grover Cleveland High School, our STEM Academy has embraced the view that academic content should be taught through interdisciplinary studies. Students will be immersed in rich, meaningful, STEM experiences through interdisciplinary coursework applied in the context of the real world through business and community partnerships. Students will not only learn to apply knowledge, but they will also learn about a wide range of STEM careers, develop professional communication skills, and develop their ability to apply technology to real world situations. Grover Cleveland High School's STEM Academy will lead students to develop the skills that they will need in order to succeed in the 21st century.



**Tutoring is available every
Wednesday & Thursday
during Period 8. For rooms
and teacher information,
see back page.**

STEM Pathways and Courses

Academy of Information Technology (AoIT)

10th Grade — Introduction to Information Technology
Web Design
11th Grade — Oracle: Data Modeling
Oracle: Programming with SQL
12th Grade — Android Apps Development

Pre-Engineering Pathway

Principles of Engineering
Technical Drawing / AutoCAD
Principles of Engineering
Robotics
Energy Management System

College Partnerships

Students will earn college credit while still in high school through our dual credit courses through LaGuardia Community College. Upon successful completion, students will receive both high school and college credit.

Courses we offer:

Communication for Non-Native Speakers
College Algebra and Trigonometry
Elementary Statistics



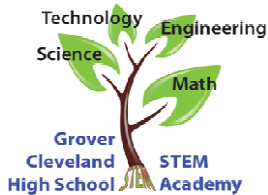
See **additional programs from LaGuardia on back page.**

The **Upward Bound Program** from Vaughn College offers students a chance to experience college life while attending high school. Students interested in applying to this program, see Ms. Foster in Room 101 for an application.

STEP — Science and Technology Entry Program

This program from Vaughn College allows students to take courses in Pre-Calculus, Intro to Air Traffic Control, Intro to Flight, Robotics, Computer Graphics, Saturday SAT Prep, and Regents Prep. For an application please see any STEM teacher.

Vaughn College
of aeronautics and technology



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STEM Academy Teachers / Counselor

TEACHER	SUBJECT	E-MAIL	TUTORING ROOM / PERIOD
Mr. Guille	English	bguille@schools.nyc.gov	116 / Period 7
Ms. Kendall	English	akendall@schools.nyc.gov	121 / Period 8
Ms. Link	ESL	flink2@schools.nyc.gov	124 / Period
Mr. LoCastro	Guidance	plocastro@schools.nyc.gov	118A
Mr. Garcia	Physical Ed.	fgarciajr@schools.nyc.gov	TBD
Mr. Cosma	Mathematics	mcosma2@schools.nyc.gov	125B / Period 8
Ms. Giurea	Mathematics	agiurea@schools.nyc.gov	103 / Period 8
Mr. Qualls	Mathematics	wqualls@schools.nyc.gov	119 / Period 9
Mr. Suen	Mathematics	ksuen@schools.nyc.gov	108 / Period 8
Ms. Gallenero	Science	sgallenero@schools.nyc.gov	240 / Period 8
Mr. Kiefer	Science	lkiefer@schools.nyc.gov	240 / Period 8
Mr. Mahabir	Science	kmahabi@schools.nyc.gov	240 / Period 8
Mr. Pacheco	Science	emachon@schools.nyc.gov	125B / TBD
Mr. Guerra	Social Studies	dguerra2@schools.nyc.gov	122 / Period 1
Mr. Namm	Social Studies	snamm@schools.nyc.gov	126 / Period 8
Mr. Joerz	Technology	hjoerzjr@schools.nyc.gov	140 / Period 8
Mr. Montante	Technology	amontan5@schools.nyc.gov	107 / Period 8
Mr. Woodbridge	Technology	awoodbridge@schools.nyc.gov	203 / Period 8

Science • Technology • Engineering • Mathematics



Through **LaGuardia Community College STEP Program** and **Dr. Sean Galvin's** support, our STEM Academy is able to offer PSAT / SAT Tutoring, Peer Tutoring, Saturday Academy, Bridge Building, Robotics, and field trips.

STEM—Science Competitions

Grover Cleveland and the STEM Academy participates in a number of statewide competitions each year including the Science Olympiad, the International Bridge Building Contest, and the Envirothon. Please see the following advisors if you are interested in joining and competing

- Science Olympiad — Advisor: Mr. Mahabir
- Bridge Building — Advisor: Mr. Kiefer
- Envirothon — Advisor: Mr. Kiefer