



KATHERINE JOHNSON, DOROTHY VAUGHAN, MARY JACKSON

## STEM Academy

Olga Hugelmeyer, Ed.D., Superintendent of Schools

Theodore Panagopoulos, Principal

Barbara Bartlett, Vice Principal

Juan Camilo Metrio Sanchez, Vice Principal

### School District

JVJ STEM Academy is a public four-year comprehensive high school located in Elizabeth, New Jersey. JVJ STEM Academy is part of a large urban public school district. JVJ STEM Academy is a fully accredited public high school meeting the standards to earn full middle states certification.

### School CEEB CODE #310112

JVJ STEM Academy, 237 S. Broad Street Elizabeth, opened in September of 2021. JVJ houses 597 students, grades 9-12.

### Community

Elizabeth, New Jersey is a vibrant urban community, rich in cultural diversity and has a commitment to serving the 120,000 residents of the city. To better assist the educational needs of our growing population Elizabeth Public Schools offers seven different academies for our high school student population to choose from. Supported by local, state, and federal programs, Elizabeth Public Schools offers many programs to support our flourishing student population.

### Counseling Department

- Lauren Delgado / [delgadla@epsnj.org](mailto:delgadla@epsnj.org) / (908) 409-6340
- Nicole Webb / [webbni@epsnj.org](mailto:webbni@epsnj.org) / (908) 409-6334
- Chanise Hurst / [hurstch@epsnj.org](mailto:hurstch@epsnj.org) (908) 409-6407

### PROGRAM OF STUDY

- **Biomedical Science:** This pathway empowers students to build knowledge and skills in biomedical science, as well as in-demand, transportable skills like problem solving, critical and creative thinking, communication, and collaboration. Working with similar tools used by professionals in hospitals and labs, students engage in compelling, hands-on activities and work together to find solutions to problems.
- **Computer Science:** At a time when computer science affects how we work and live, our computer science pathway empowers students in grades 9-12 to become creators, instead of merely consumers, of the technology all around them. The program's courses engage students in compelling, real-world challenges. As students work together to design solutions, they learn computational thinking – not just how to code – and become better thinkers and communicators.
- **Environmentally Sustainable Engineering & Technology:** This program of study fosters innovation, problem solving and 21st Century Skills as it prepares students for successful entry into STEM-related postsecondary studies and career paths. The curriculum integrates all four STEM disciplines cohesively and purposefully into powerful real-world lessons, activities, and design problems. These realistic contexts engage, motivate, and excite students. They lead to a deeper understanding of the interconnectedness of STEM subjects and careers, providing students with the tools they need to make informed decisions about their future education and career goals.



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## Grading Policy

JVJ STEM students are graded on a scale of A, B, C, D, and F. JVJ STEM reports a weighted GPA on all transcripts. The weighted grading system includes all courses taken. GPA is computed by dividing the total number of points earned by the total number.

## Graduation Requirements

JVJ STEM Academy's minimum graduation requirement is 120 credits. Additionally, each student must complete a minimum of 60 hours of community service over the course of their time in high school. Full year courses receive 5 credits.

### \*Minimum Subject Requirements

- English - 20 Credits
- Mathematics - 15 Credits
- Science - 15 Credits
- Physical Education/Health - 20 Credits
- World Language - 10 Credits
- History - 15 Credits
- Visual/Performing Arts - 5 Credits
- Economics - 5 Credits
- CTE - 5 Credits
- Other Electives - 10 Credits

Unweighted Rank			Weighted Rank	
A+	97-100	4.35	A+	5.35
A	93-96	4	A	5
A-	90-92	3.65	A-	4.65
B+	87-89	3.35	B+	4.35
B	83-86	3	B	4
B-	80-82	2.65	B-	3.65
C+	77-79	2.35	C+	3.35
C	73-76	2	C	3
C-	70-72	1.65	C-	2.65
D+	67-69	1.35	D+	2.35
D	63-66	1	D	2
F	0-62	0	F	0
I - Incomplete			I - Incomplete	
X - Doctor's Excuse			X - Doctor's Excuse	
W - Withdrawn			W - Withdrawn	
Z - 0			Z - 0	

## Course Offerings

### ENGLISH

English I, English I Honors, English II, English II Honors, English III, AP English Language, English IV, AP English Literature

### SOCIAL STUDIES

World History, US History I Honors, US History II, Economics, Micro/Macro Economics, AP US History

### MATHEMATICS

Geometry, Geometry Honors, Algebra I Advanced, Algebra II, Algebra II Honors, Precalculus, Precalculus AP, AP Calculus AB, AP Statistics

### SCIENCE

Biology, Biology Honors, Chemistry, Chemistry Honors, Physics, Physics Honors

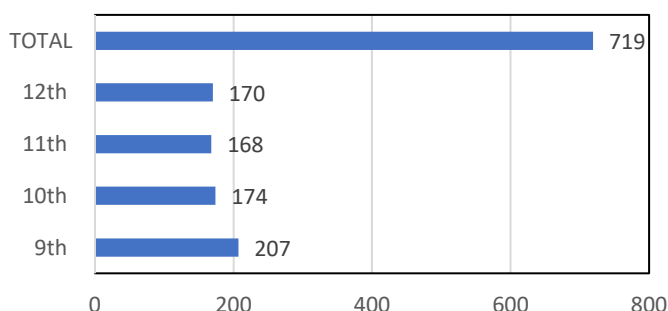
### WORLD LANGUAGE

Spanish I, II, & III, AP Spanish Language, AP Spanish Literature

### ELECTIVES

Principles of Biomedical Science, Human Body Systems, Medical Interventions, Computer Science Principles AP, Introduction to Java, AP Computer Science A, Principles of Engineering, Environmental Sustainability, Civil Engineering and Architecture, PLTW Capstone, AVID, Drawing & Painting I & II, Sculpture, AP Psychology, AP Micro/Macro Economics

## JVJ ENROLLMENT



## DEMOGRAPHICS

Hispanic White Black Hawaiian/Other Pacific Islander Asian Unclassified

