

THE SCIENCE ACADEMY STEM MAGNET

CEEB CODE: 051786

PROFILE 2021-2022

OUR LEARNING COMMUNITY

OUR PROGRAM

The Science Academy STEM Magnet is a public, college preparatory, magnet school for grades six through twelve. We offer a college-bound curriculum that nurtures students' intrinsic motivation for learning and encourages students to surpass expectations. We seek to prepare our students for careers that will shape our nation's future by incorporating science, technology, engineering, and mathematics across academic disciplines.

The middle school was founded in 2016 and the high school was established in 2018. The Class of 2022 will be the first graduating class for the high school. Located in North Hollywood, California, the school draws its diverse student population from the Los Angeles Unified School District (LAUSD), the second largest school district in the nation.

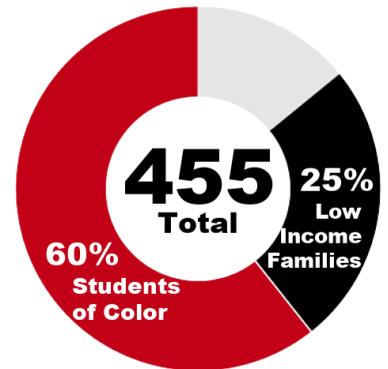
The Science Academy STEM Magnet is accredited by the Western Association of Schools and Colleges and is LAUSD STEM/STEAM certified.

OUR STUDENTS

The Science Academy's 455 students are culturally, racially, and socioeconomically diverse, with 60% of students identifying as students of color and 25% of students from low-income families.

With inquiring and analytical minds and a willingness to embrace hard work, our students develop the critical thinking skills, knowledge, and discipline that will enable them to excel in college and beyond.

Students apply for admission via LAUSD's Choices Application, the magnet enrollment process, which includes a lottery. To be eligible for the admissions lottery to the Science Academy STEM Magnet, applicants must meet certain prerequisites based upon a mandatory assessment, state test scores (SBAC, CAST), and grades. (Due to COVID-19, a modified admission process was implemented for students entering in the 2021-2022 school year.)



Class of 2022
44 Students

GRADE POINT AVERAGES (after 6 semesters)

mean

3.815 (unweighted)

4.375 (weighted)

NATIONAL MERIT SCHOLARSHIP RECOGNITION*

- 3 Semi-finalists
- 2 Commended Scholars

STANDARDIZED TEST SCORES: SAT

As of March 2021, 25% of the Class of 2022 had taken the SAT

mid 50%	mean
SAT EBRW	663
SAT Math	705
SAT Total	1367

*Students in the Class of 2022 were unable to take the PSAT during their junior year due to the Covid-19 pandemic.

National Merit Recognition based on SAT alternative entry.

OUR MISSION

The mission of the Science Academy STEM Magnet is to provide a rigorous and supportive STEM-based educational program in which students of all socioeconomic and diverse backgrounds will be inspired to lead lives filled with learning, innovating, and contributing towards a better tomorrow.

OUR TEACHING FACULTY

100% of our 18 full-time teachers hold advance degrees and are actively involved in the school community. To facilitate a balanced and engaging learning environment, teachers support extra-curricular activities and take on roles such as coach, club sponsor, tutor, and advisor. Given the small size of our school community, students are able to build a rapport with faculty that enhances the overall learning experience.

CARLOS LAUCHU
Principal

JOSHUA ROSENTHAL
Assistant Principal

JODI HUFF
Dean of Students/
Magnet Coordinator

LINA HODALI
Counselor

Course Offerings

The Science Academy STEM Magnet's academic program offers a rigorous, STEM-focused curriculum. All students participate in AP courses beginning in the 9th grade. Through community college Dual Enrollment programs, students take Spanish, Art, Health, and a variety of electives. Students are also required to complete two years of Physical Education, US Government, and Economics.

CURRICULUM

ENGLISH (4 years required)

American Literature (H)
Contemporary Composition (H)
English Literature (H)
Expository Composition (H)
Modern Literature (H)
World Literature (H)
AP English Language & Composition
AP English Literature & Composition

HISTORY & SOCIAL SCIENCES (3 years required)

AP US Government
AP US History
AP World History

MATH (3 years required)

Advanced Math (H)
Algebra II/Pre-Calculus (H)
Geometry (H)
AP Calculus AB
AP Calculus BC
AP Statistics

SCIENCE (2 years required)

Biology (H)
Chemistry (H)
AP Biology
AP Chemistry
AP Environmental Science
AP Physics 1
AP Physics C

AP CAPSTONE

AP Seminar
AP Research

THE ARTS (1 year required)

2-D Art (C)
Art History (C)
Drawing (C)
Filmmaking
Theater

ELECTIVES (1 year required)

AP Computer Science
AP Macroeconomics
Child Development (C)
College & Career Exploration
Critical Thinking (C)
Finance (C)
Sociology (C)

WORLD LANGUAGE (2 years required)

Spanish I (C)
Spanish II (C)
Spanish III (C)

CALCULUS-PHYSICS CONNECTION

In 11th grade, students take Calculus-based Physics concurrently with AP Calculus from a single instructor. By emphasizing the interrelation between Calculus and Physics, this integrative approach to teaching encourages learning that is mutually reinforcing and synthesized across academic disciplines.

GRADING SYSTEM

The official LAUSD grade-point average (GPA) is based on a modified weighted scale (A = 4, B = 3, C = 2, D = 1, F = 0) for grades 9 through 12. AP courses are given an additional 0.025 grade point. College courses that meet the graduation requirements (Spanish I & II, Health & Drawing) are included in the official GPA but are not weighted. College courses taken as electives and through Concurrent Enrollment are not included in the official GPA. Honors courses are not weighted.

COLLEGE PROGRAMS

DUAL ENROLLMENT PROGRAM

Beginning in ninth grade, all students at the Science Academy STEM Magnet enroll in college classes through Dual Enrollment programs offered by Los Angeles community colleges. By taking dual enrollment classes, students are able to fulfill high school graduation requirements while simultaneously earning college credits.

LAUSD HONORS + DISTINCTIONS

In the spring semester of 12th grade, official LAUSD GPA is used to select students for valedictorian, salutatorian, and other awards, as well as to designate honors (3.00 to 3.59), high honors (3.60 and above), Superintendent Honor Roll (3.80 and above) recipients, and to determine class rank.

** Because of the small size of the graduating class, the Science Academy STEM Magnet does not report class rank.*

EXTRACURRICULARS

The Science Academy STEM Magnet sponsors a broad offering of extracurriculars, such as athletics, competitive teams, and interest and service-based clubs and organizations.

ATHLETICS*

- Baseball
- Basketball - Boys
- Basketball - Girls
- Cheer
- Cross Country
- Football
- Softball
- Soccer - Boys
- Soccer - Girls
- Softball
- Swimming
- Volleyball - Boys
- Volleyball - Girls

**We are co-located on an LAUSD campus with another LAUSD high school, East Valley High School. Our students play on the high school sports teams together with students from East Valley High School.*

CLUBS + SERVICES

- Applied STEAM Club
- Chess Club
- Finance + Investing
- Journalism Club
- LatinX Student Union
- Neuroscience Club
- Red Cross Club
- UNICEF Club

COMPETITION

- Battle of the Books
- Robotics
- Science Bowl
- Science Olympiad
- Speech + Debate
- StellarXplorers*

**2020-2021 National Finalists*

(H): Honors (C): College Level

COVID-19 UPDATE

Distance learning began in March 2020 and continued through June 2021. In accordance with LAUSD policy, a Hold Harmless grading policy was applied for the Spring of 2020. For the 2020-2021 school year, students were graded under the school's traditional grading system. Classes were taught in a synchronous/asynchronous schedule that included approximately 2.5 hours of instruction per week for each class. For the 2021-2022 school year, the Science Academy STEM Magnet has resumed full, in-person instruction.