

Sato Academy of Mathematics & Science

Together anything is possible.

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<https://sato.lbschools.net/>

Principal: Veronica Coleman

Head Counselor: Gerard Maliwat

SCHOOL PROFILE

2023-2024

CEEB Code: 054837

School and Community

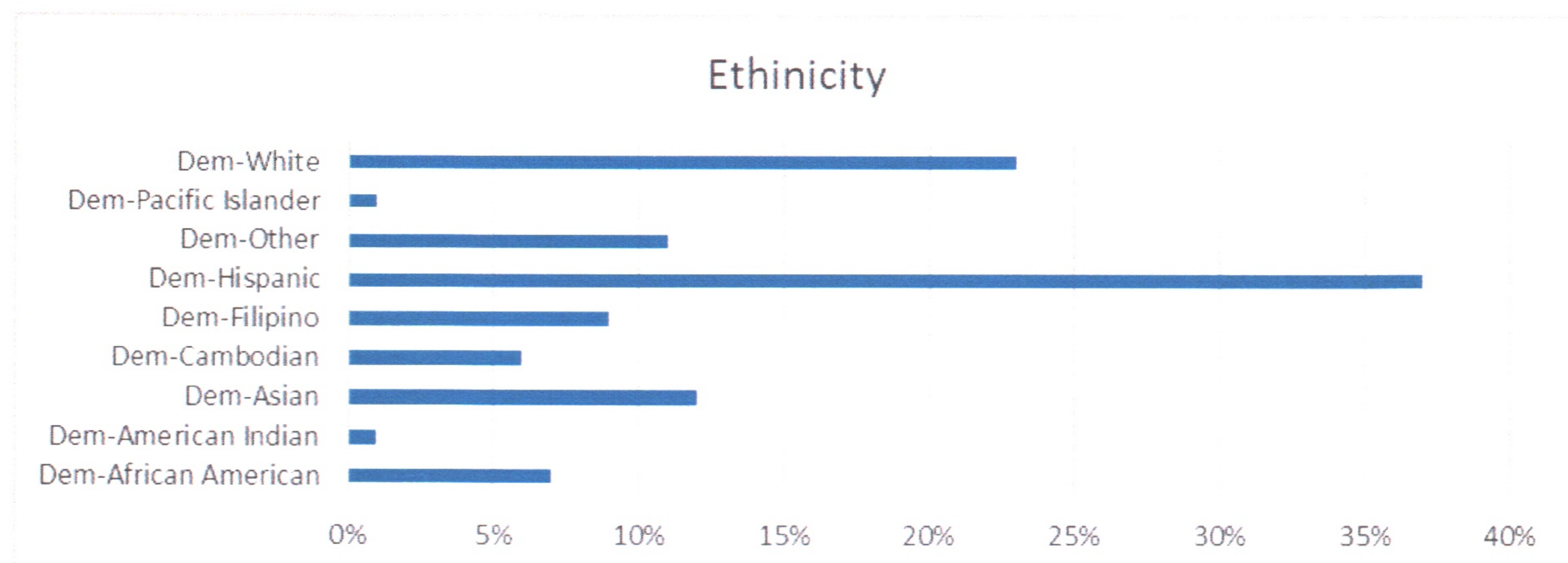
Sato Academy of Math and Science (Sato) is a comprehensive 4-year public high school located in Long Beach, California, one block from California State University, Long Beach (CSULB), and is part of the Long Beach Unified School District (LBUSD) in south Los Angeles County. Opened in 2015, the school is currently enrolling a diverse student body of 504 students in grades nine through twelve. Sato Academy's mission centers on increasing the nation's pool of college graduates in the fields of mathematics and science by offering an intensive college preparatory education to motivated high school students.

Sato is accredited by the Western Association of Schools and Colleges. LBUSD has a school-of-choice policy whereby students from across the district and outside of the district may apply to attend special programs at any of its twelve high schools.

As a small Pathway focused high school, Sato students are enrolled in both an engineering and a biomedical science class in the freshman year. Students then choose which Pathway they will pursue in the sophomore, junior and senior year. Both Pathways are anchored in Project Lead the Way (PLTW). Sato's program intentionally provides all courses that fulfill the local university admissions requirements.

Student Body

<i>Enrollment</i> (as of August 2023)	Total	Male = 63%	Female = 37%
Grade 12 (Class of 2024)	119	(Male = 86	Female = 33)
Grade 11 (Class of 2025)	127	(Male = 80	Female = 47)
Grade 10 (Class of 2026)	122	(Male = 77	Female = 45)
Grade 09 (Class of 2027)	136	(Male = 75	Female = 60)



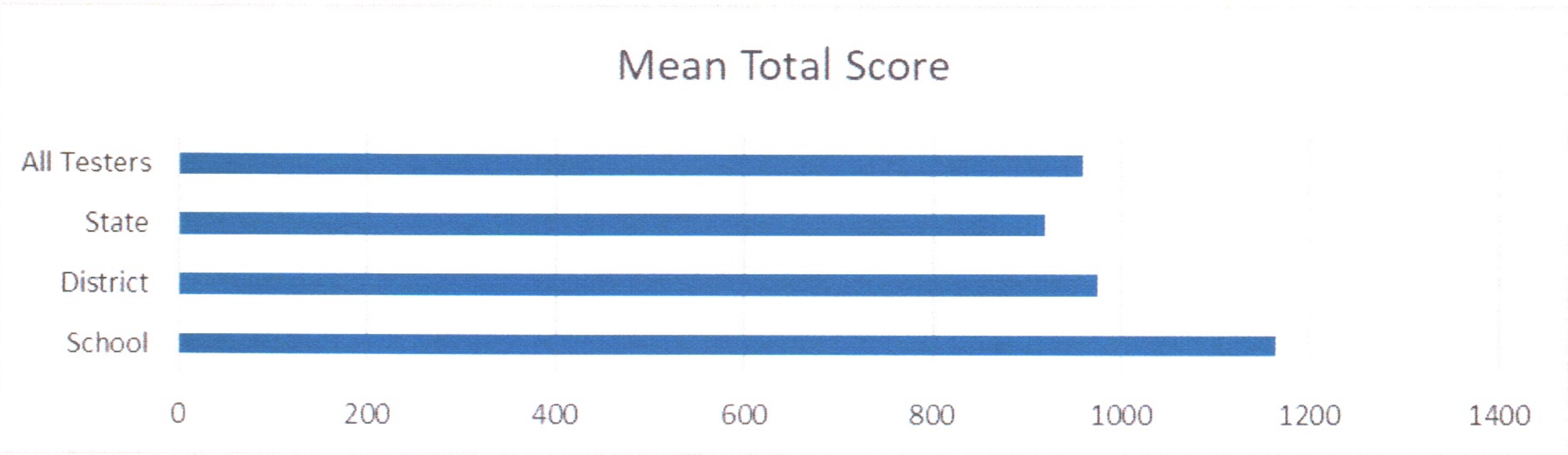
Faculty

Sato Academy employs 23 full-time teachers and 1 part time teacher.

Class of 2024

With a graduating class of 119, about 90% indicated that they will apply to 4-year colleges and universities. The remaining 10% indicated that they are considering applying to a 2-year Community Colleges, enlisting with the US Military, or do a GAP year. About 97% of the Class of 2024 are on track to meet the California State University and the University of California subject entrance requirement known as the A-G.

A total of 117 students from the Class of 2024 took the SAT School Day in March of 2023. The mean SAT score for the Class of 2024 is 1164. The mean SAT section scores are: Reading and Writing is 576, Math 588.



The Long Beach Unified School District adopted the California Assessment of Student Performance and Progress to measure how well the students are mastering California’s challenging academic standards. For the Class of 2024, 96% met or exceeded the achievement level for the English Language Arts. 77% met or exceeded the achievement level for Mathematics.

Class of 2023

With a graduating class of 97 students, 97% are college bound. Of the 97%, 80% are going to 4-year colleges/universities and 20% are going to 2-year colleges. The remaining 3% enlisted with the United States Military. 97% of the Class of 2023 met the California State University and the University of California subject entrance requirement known as the A-G.

Academics

Sato Academy offers Advanced Placement (AP) courses with an open access policy, as well as honors and accelerated courses. We do not limit the number of AP or honors classes a student can take, however, due to the limited number of class sections, schedule conflict may affect placement in some classes. For the 2023-2024 school year, the following classes are offered:

AP English Language		*AP Spanish Literature
AP English Literature	AP Biology	Honors Chemistry
AP US History	AP Calculus AB	
AP Psychology	AP Statistics	
AP US Gov't & Pol.	*AP Precalculus	

*new for SY 2023-2024

Career Readiness

Sato Academy offers Project Lead the Way (PLTW) courses that provide an engaging, hands-on rigorous classroom environment that empowers students to develop in-demand knowledge and skills they need to thrive in the Engineering and Biomedical Science fields. For the Class of 2024, the PLTW courses offered are:

Engineering Pathway

Introduction to Design
Principles of Engineering
Computer Integrated Manufacturing
Engineering Design and Development
Aerospace Engineering
Digital Electronics

Biomedical Pathway

Human Body Systems
Medical Intervention
Biomedical Innovation

Core Curriculum for the Class of 2024					
Grade	Math	Science	English	Social Science	Foreign Language
9	Accelerated Geometry	Medical Biology, Human Body Systems (PLTW)	Accelerated English 1-2		Spanish
10	Accelerated Algebra II	Physics of the Universe <i>and</i> choice of either (PLTW) Principles of Engineering or Medical Interventions	Accelerated English 3-4	Big History	Spanish
11	Pre Calculus Honors <i>or</i> Functions, Statistics, Trigonometry Or Introduction of Data Science	Honors Chemistry Anatomy & Physiology	English 5-6 or AP English Language & Composition	U.S. History or AP US History	Spanish Option
12	AP Calculus <i>or</i> AP Statistics <i>or</i> AP Pre-Calculus or Functions, Statistics, Trigonometry Or Finite Math	AP Biology Pathway Capstone (PLTW) Engineering Design & Development or Biomedical Innovations	AP English Literature & Composition or CSU Expository Reading and Writing	U.S. Government AP Option and Economics-	AP Spanish Option

PLTW = Project Lead the Way

Grading and Class Rank

Sato Academy uses a traditional grading system. Students earn grades of A, B, C, D, or F. A grade of D is considered passing for high school credit. Un-weighted grade points are assigned on the basis of A=4, B=3, C=2, D=1, F=0. Weighted grade points are assigned to AP and honors classes with A=5, B=4, C=3, D=1, F=0.

- Total GPA includes all classes taken 9th-12th, un-weighted.
- Academic GPA excludes physical education as well as other non-academic classes, grades 9-12, un-weighted.
- University GPA includes 10th-12th college-preparatory classes only, and uses a weighted scale.

It is the policy of the Long Beach Unified School District and its schools to not rank students based on grade point average or any other criteria.

Campus Life

Students are encouraged to become active outside of the classroom for a more well-rounded high school experience. Sato Academy offers various clubs and organizations, as well as an instrumental music program. The majority of clubs relate to our Engineering and Biomedical pathways and incorporate leadership and competition however, we also have several clubs which focus on student well-being and community service.

College-Going Culture

Sato Academy promotes a college-going culture on campus. College admission requirements are part of the yearly classroom presentations. Guest speakers from colleges and universities are invited for presentations. Sato Academy, Long Beach City College (LBCC) and California State University, Long Beach (CSULB) has a dual enrollment partnership. Space is limited so students are taken on a first come first serve basis for CSULB, however our students may access the full catalog of courses at LBCC.

Data Sources

College Board: K-12 Assessment Reporting Portal
Class of 2024 Initial Post-Secondary Survey
Class of 2023 Exit Survey