



2018-2019 School Profile

OVERVIEW

Alliance Marc and Eva Stern Math and Science School, locally known as Stern MASS, was founded in 2006 through a collaboration between Alliance College-Ready Public Schools and California State University, Los Angeles. Our mission is to support, empower and educate traditionally underserved scholars by providing a well-rounded, academically rigorous STEM and college preparatory education. At Stern MASS, we strive to ensure that each scholar develops resilient character and the strong critical thinking and collaborative skills necessary to become socially responsible, globally minded citizens who are an integral part of their local, national and international communities. Our educational model is based on key elements including a culture of high expectations for all scholars, small and personalized learning communities, an extended school day and year, a team of highly qualified teachers and school leaders, and parents as partners in the success of our scholars.

#62

California High School
U.S. News and World Report
Best High Schools 2018

#109

Charter High School
U.S. News and World Report
Best High Schools 2018

ALLIANCE COLLEGE-READY PUBLIC SCHOOLS

Stern MASS is part of Alliance College-Ready Public Schools (Alliance), the largest nonprofit charter organization in Los Angeles. Alliance serves over 13,000 scholars across 25 free, public charter schools across Los Angeles County. Alliance's mission is to open and operate a network of small, high-performing high schools and middle schools in historically underserved communities that demonstrate scholar academic achievement growth, and graduate scholars ready for success in college regardless of their background or zip code.



California Gold Ribbon School
2017

COMMUNITY

Stern MASS is located on the campus of California State University, Los Angeles and primarily serves the surrounding community of East Los Angeles, including City Terrace, Boyle Heights, Lincoln Heights, El Sereno and other neighboring areas. The 2015 U.S. Census shows this community to have low levels of education (usually high school or equivalent only), a median annual income of \$15,000 per household and low rates of home ownership.



Title I Academic Achievement
Award 2017

2018-2019 STUDENT BODY

- **607** Students: **141** in the Class of 2019, **155** in the Class of 2020, **153** in the Class of 2021, **158** in the Class of 2022
- **95%** Hispanic/Latino, **2%** White, **2%** Asian/Pacific Islander, **1%** African American
- **86%** of students qualify for free/reduced meals
- **52%** male, **48%** female

ACCREDITATION AND CHARTER AUTHORIZATION

- Accredited by the Accrediting Commission for Schools--Western Association of Schools and Colleges
- Charter authorized by Los Angeles Unified School District

Top 25

Most Transformative High Schools
in the Nation, Newsweek

Alliance Marc and Eva Stern Math and Science School

AP TESTING - 2018

- 13 AP courses offered in 2017-18
- 437 exams were administered

AP PASS RATE BY SUBJECT- 2018

Subject	Pass Rate	Students
Biology	8%	13
Calculus AB	47%	51
Calculus BC	90%	10
English Language & Composition	43%	77
English Literature & Composition	36%	14
Environmental Science	30%	27
European History	53%	19
Physics C: Mechanics	14%	29
Spanish Language & Culture	88%	88
Spanish Literature & Culture	64%	39
Statistics	80%	5
US Government & Politics	27%	33
US History	79%	19

ADVANCED PLACEMENT SCHOLARS

Award Recognition	2018
National AP Scholar	2
AP Scholar with Distinction	8
AP Scholar with Honors	5
AP Scholar	30

SAT – CLASS OF 2018 (46 STUDENTS)

Evidence Based Reading and Writing Average	530
Math Average	510

ACT – CLASS OF 2018 (141 STUDENTS)

English Average	18.2
Math Average	19.2
Reading Average	20
Science Average	20.3
STEM	19.8

CAASPP SCORES - 2018

ELA Standards Exceeded/Met	80%
Math Standards Exceeded/Met	40%

CURRICULUM

All Stern MASS scholars take the required A-G course requirements needed to successfully apply to any University of California or California State University. In addition to a rigorous academic schedule, all scholars participate in a STEM Exhibition Night, a yearlong culminating project in math and science that answers a large and driving philosophical dilemma and encourages students to see the relationships between concepts and ideas. These projects adhere to Common Core State Standards and Next Generation Science Standards, and integrate mastery learning, standards-based grading, academic content, collaboration, inquiry learning and technology. Stern MASS scholars are given the opportunity to enroll in college courses at California State University, Los Angeles and East Los Angeles College.

GRADING

In alignment with University of California and California State University undergraduate admissions requirements, Alliance schools do not grant “D” letter grades. A grade below a “C” is considered Not Proficient or “NP” and will not satisfy graduation requirements. Scholars earning an “NP” for any required course must repeat the course to earn a grade of “C” or higher.

The average weighted GPA for the Stern MASS Class of 2018 was 3.0.

A 3.40-4.00 **B** 2.70-3.39 **C** 2.00-2.69 **NP** 0.00-1.99

- Pluses and minuses do not affect GPA
- Honors/AP classes receive an extra point for Cs and above in calculating the weighted GPA
- All academic courses earned during the regular school day throughout the school year are counted on the transcripts with no exception

ACADEMIC GRADUATION REQUIREMENTS

A – History	30 credits	<i>Each semester course is 5 credits.</i>
B – English	40 credits	
C – Mathematics	30 credits	<i>230 credits minimum required for graduation.</i>
D – Science	30 credits	
E – Foreign Language	20 credits	<i>Total minimum A-G credits required is 160.</i>
F – Visual/Perform Arts	10 credits	
G – Electives	30 credits	

COLLEGE COUNSELING

Counselors work closely with individual scholars based on their career interests, GPA, SAT/ACT scores, intended college major, and individual traits to match them with colleges and universities that can best support their post-secondary success. Workshops and individual guidance and support are provided to scholars and parents throughout the college application and financial aid process. All students who are on track to graduate are required to submit a minimum number of college applications.

Alliance Marc and Eva Stern Math and Science School

ADVANCED PLACEMENT AND HONORS COURSES

AP Biology
AP Calculus AB
AP Calculus BC
AP English Language & Composition
AP English Literature & Composition

AP Environmental Science
AP European History
AP US Government and Politics
AP Spanish Language and Culture
AP Spanish Literature and Culture

AP United States History
CC English Honors 10
CC Integrated Math 3 Honors
Chemistry Honors

EXTRACURRICULAR ACTIVITIES

Academic Decathlon
Anime Club
Associated Student Body (ASB)
CIF Basketball – Boys and Girls
CIF Cheerleading – Boys and Girls
CIF Cross Country – Boys and Girls
CIF Soccer – Boys and Girls
CIF Volleyball – Boys and Girls
Drill Team

Engineering Club
Gay-Straight Alliance Social Justice
Guitar Club
Junior States of America
Key (Kiwanis) Club
National Honors Society
Philosophy/Psychology and Ind. Of Crime
Random Acts of Kindness
Remember the Titans

Science Club
Social Justice Club
Sociedad Honoraria Hispanica
Speech and Debate
Students Run LA
The Bolt
TitanMUN
Yearbook

COLLEGES AND UNIVERSITIES – CLASS OF 2018 ACCEPTANCES

Azusa Pacific University
Bard College
Brown University
Bucknell University
California Lutheran University
California Polytechnic State University, San Luis Obispo
California State Polytechnic University, Pomona
California State University, Bakersfield
California State University, Channel Islands
California State University, Chico
California State University, Dominguez Hills
California State University, East Bay
California State University, Fresno
California State University, Fullerton
California State University, Long Beach
California State University, Los Angeles
California State University, Monterey Bay
California State University, Northridge
California State University, Sacramento
California State University, San Marcos
California State University, Stanislaus
Case Western Reserve University
Citrus College
Claremont McKenna College
Clarkson University
Columbia University
Connecticut College
Cypress College
Dartmouth College

East Los Angeles College
Embry-Riddle Aeronautical Univ - Daytona
Franklin & Marshall College
Georgetown University
Glendale Community College
Grand Canyon University
Harvard University
Hofstra University
Hollins University
Humboldt State University
Los Angeles City College
Los Angeles Mission College
Los Angeles Trade-Technical College
Loyola Marymount University
Middlebury College
Mount Saint Mary's University
Mt. San Antonio College
Ohio Wesleyan University
Pasadena City College
Pennsylvania State University
Pepperdine University
Princeton University
Rensselaer Polytechnic Institute
San Francisco State University
Santa Monica College
Seattle Pacific University
Smith College
Soka University of America

Stanford University
Swarthmore College
Sweet Briar College
The George Washington University
Tufts University
University of California, Berkeley
University of California, Davis
University of California, Irvine
University of California, Los Angeles
University of California, Merced
University of California, Riverside
University of California, San Diego
University of California, Santa Barbara
University of California, Santa Cruz
University of La Verne
University of Maine
University of Mary Hardin-Baylor
University of Oregon
University of Pittsburgh
University of Southern California
University of the Pacific
Vassar College
Washington and Lee University
Wellesley College
Wentworth Institute of Technology
Whittier College
Williams College

SCHOOL CONTACT INFORMATION

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