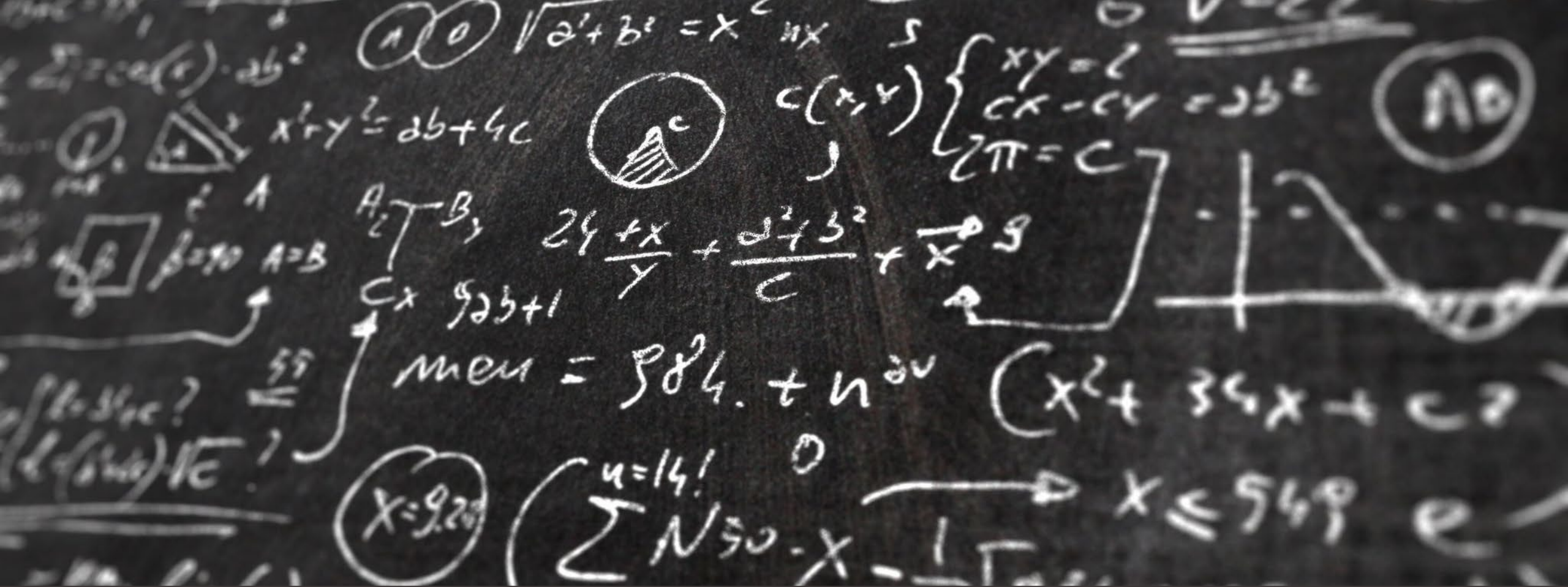




OVERVIEW OF MATHEMATICS DATA

Ondrea Reed, Deputy Superintendent – Education Services

OPERATIONS STEERING
March 25, 2024

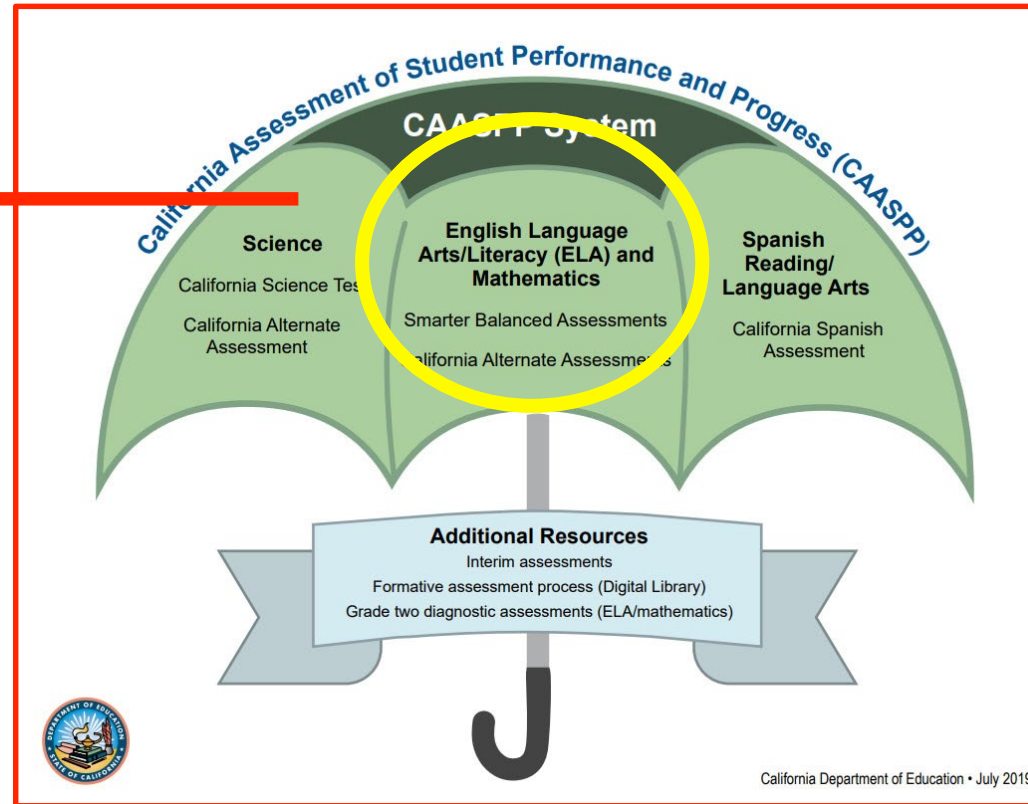
STANDARDIZED TESTING & ADDITIONAL METRICS

- California Assessment of Student Performance & Progress (CAASPP)
- SAT/ACT
- Advanced Placement Mathematic Courses
- “a-g” Percentage



What is CAASPP ?

Students in grades three through eight and grade eleven will take the **Smarter Balanced Summative Assessments** for English language arts/literacy (ELA) and mathematics. These assessments are administered online in April/May each year.



Administered in Grades 3-8 and Grade 11

Math Data			
2023		2024	
# of Students	% Proficient	# of Students	% Proficient
4653	66%	4654	65%
		State	34%
		County	48%



CAASPP DISTRICT DATA | **#3 in County
in Mathematics**

CAASPP ELEMENTARY SCHOOL DATA



Math Data			
2023		2024	
# of Students	% Proficient	# of Students	% Proficient
1927	79%	1887	77%
		State	41%
		County	53%

CAASPP MIDDLE SCHOOL DATA



Math Data			
2023		2024	
# of Students	% Proficient	# of Students	% Proficient
1972	61%	2020	61%
		State	33%
		County	47%

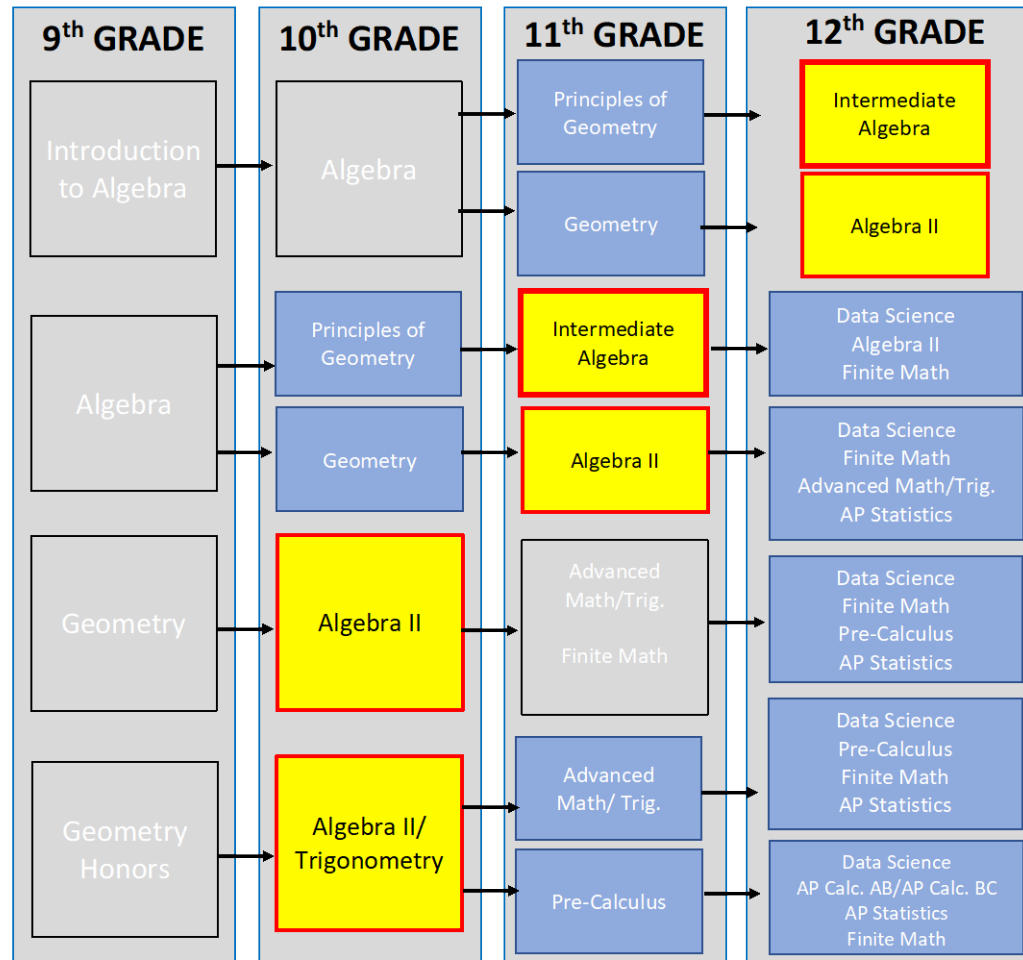
CAASPP HIGH SCHOOL DATA



Math Data			
2023		2024	
# of Students	% Proficient	# of Students	% Proficient
754	47%	745	50%
		State	28%
		County	39%

LOS ALAMITOS UNIFIED SCHOOL DISTRICT

High School Mathematics Course Progressions



Algebra II

To meet UC/CSU Entrance Requirements students must complete Algebra II or an equivalent course.

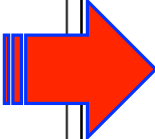
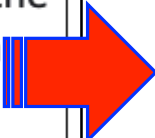
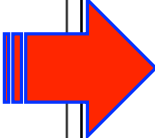
CSU, UC and private university entrance requirements for math course completion vary. Please partner with LAHS guidance counselor to determine required course progression.

Math course options and progression is based on semester grades.

COURSE EQUIVALENCIES	
GEOMETRY	ALGEBRA II
Principles of Geometry	Intermediate Algebra
Geometry Honors	Algebra II/Trigonometry

MEANINGFUL METRICS @ SECONDARY

College & Career

Metric	College & Career Significance	
CAASPP	Part of the CAASPP score is used for placement into college-level English and math classes at CSU and community colleges but is not used for the admission process whatsoever.	
SAT/ACT	The majority of four-year colleges and universities in the U.S. use standardized test scores for admission purposes accept both SAT and ACT scores. The two exams test similar subjects, including reading comprehension, math, and English grammar.	 COLLEGE FUNDING
AP Classes	Nearly all colleges and universities award credit for the most popular AP courses and consider enrollment in the admissions process.	 COLLEGE CREDIT
"a-g" Completion	Gatekeeper for entrance into all UC/CSU schools. Requirements that must be meant to apply for admission. UC's and CSU's will count only the grades from your A-G courses.	 COLLEGE ELIGIBLE



SAT & ACT DATA – MATH

Los Alamitos High School

SAT:
Perfect
Score
800

SAT Math Average Scores	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
District SAT Math Avg	594	594	590	632	620.5	633	629
County SAT Math Avg	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
State SAT Math Avg	536	531	522	530	555	536	537
National SAT Math Avg	531	528	523	528	521	508	505

ACT:
Perfect
Score
36

ACT Math Average Scores	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
District ACT Math Avg	26	26	26	27	27.2	26.8	26.8
County ACT Math Avg	24	24	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
State ACT Math Avg	22	22	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
National ACT Math Avg	20.5	20.4	20.2	19.9	19.3	19	19



SAT DATA – MATH

Los Alamitos High School

SAT Math Average Scores	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
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State SAT Math Avg	536	531	522	530	555	536	537
National SAT Math Avg	531	528	523	528	521	508	505

**SAT:
Perfect Score
800**

- In Fall 2023, 54% of students took the SAT vs the 31% who took the ACT according to College Navigator.
- SAT/ACT scores qualify students for merit-based financial aid. Higher test scores lead to more scholarship dollars.
- From 2017 – 2024, LAHS average has increased +35 while the state's average has increased +1 and the national average has decreased -26
- LAHS average math score is 92 points higher than the state average and 124 points higher than the national average.

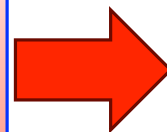


ADVANCED PLACEMENT

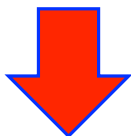
Los Alamitos High School

% of Seniors that Completed an AP Math Course	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
District % of Seniors that completed AP Math	27.59%	27.14%	29.02%	32.35%	30.76%	33.64%	37.84%	33.20%
County, State, National % of Seniors that completed AP Math	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported

The 5-year average of completion of an AP Course in Mathematics at **LAHS is 33.5%** - 1/3 of the graduating class completed an AP Course in Math before they graduate with over an **82% passage rate**.



In addition, increase in AP Math Test Participation from 2023 to 2024 - **86% to 98%** and **5.5%** increase in the passage rate.



College Credit Entering Freshman Year

The rigor of a student's high school curriculum is one of the single best predictors of college and career success.

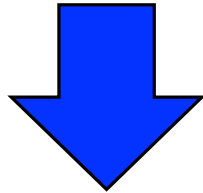
2024 AP
HONOR ROLL
& AP ACCESS
AWARD!



A-G COMPLETION RATE

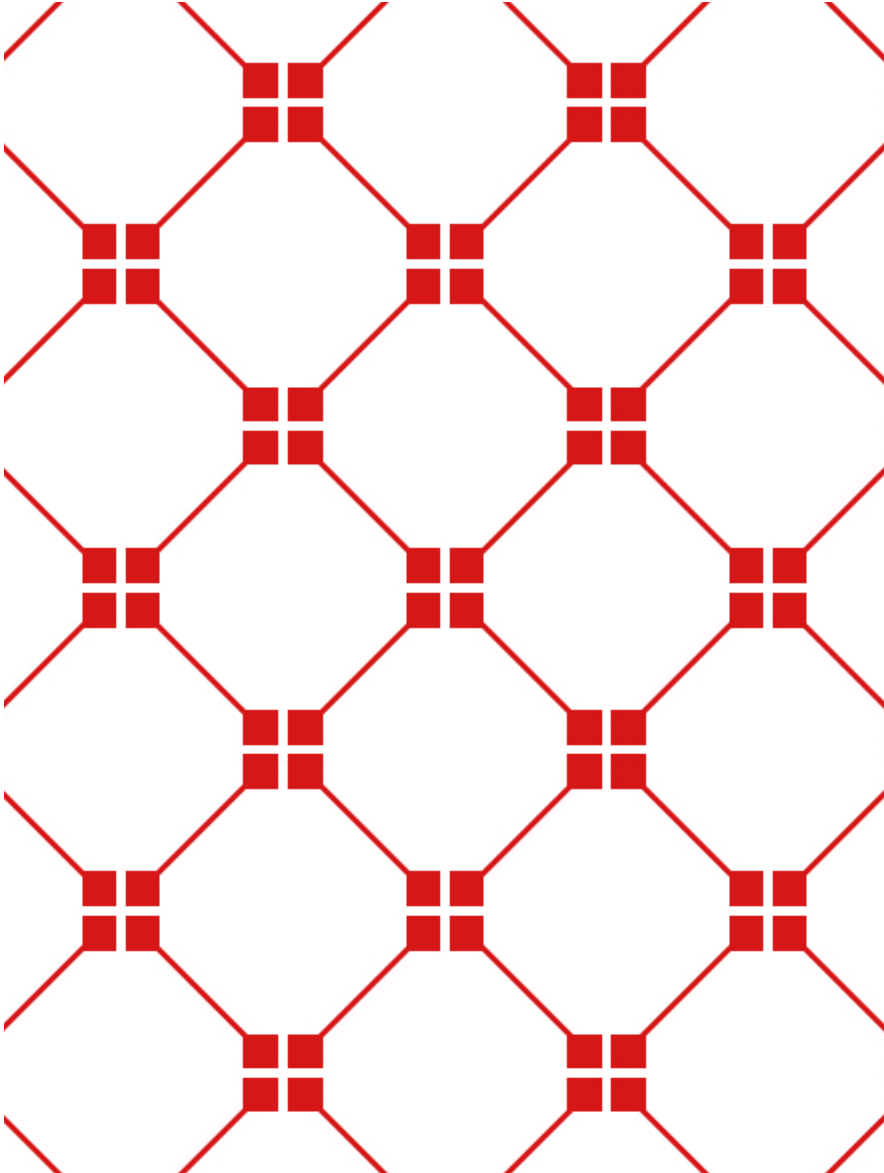
Los Alamitos High School

% of Seniors that Met A-G (UC/CSU) Requirements	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
District % meeting A-G Req.	73.80%	76.20%	75.70%	73.00%	70.60%	79.00%	79.64%	81.21%
County % meeting A-G Req.	53.80%	54.60%	55.30%	55.80%	56.90%	57.20%	57.30%	Not Available Yet
State % meeting A-G Req.	49.90%	49.90%	50.50%	50.90%	52.10%	51.40%	52.40%	Not Available Yet



The 5-year average of “a-g” completion at LAHS is 76%, which is 20% higher than the state average of 56%. Griffins are 20% more likely to complete Algebra II or higher math course in high school compared to other state of California graduates.

Students who complete A-G entrance requirements while in high school are twice as likely to graduate from college.



THANK YOU & QUESTIONS
