



Sahuarita Unified School District #30

N.M.S.I. and Advanced Placement Board Presentation

Good evening!

Presentation Objectives:

- Program Overview
- Data Sharing - NMSI & AP
- Next Steps - Year 5 Funding



Presented by: Brett K. Bonner, Assistant Superintendent

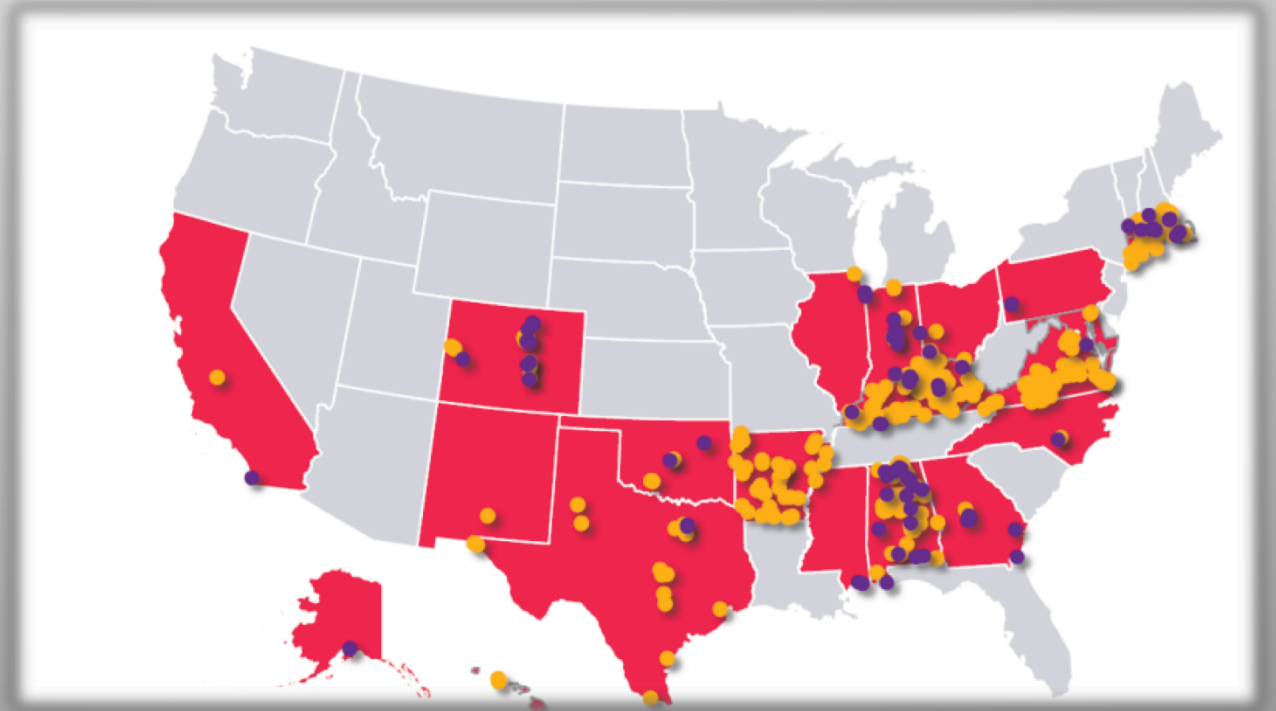
Program Overview:

- ✓ **What is the National Math and Science Initiative (NMSI)?**
- ✓ NMSI prepares students for success by building strong foundations in Science, Technology, Engineering, and Mathematics.
- ✓ Grant Funded and Community Investment: 3 Year Project
- ✓ **3 Key Programmatic Objectives:**
 - Inspire and engage students to develop strong interests in **STEM** fields.
 - Transform schools into centers of **college readiness**.
 - **Produce and retain** content-rich teachers.



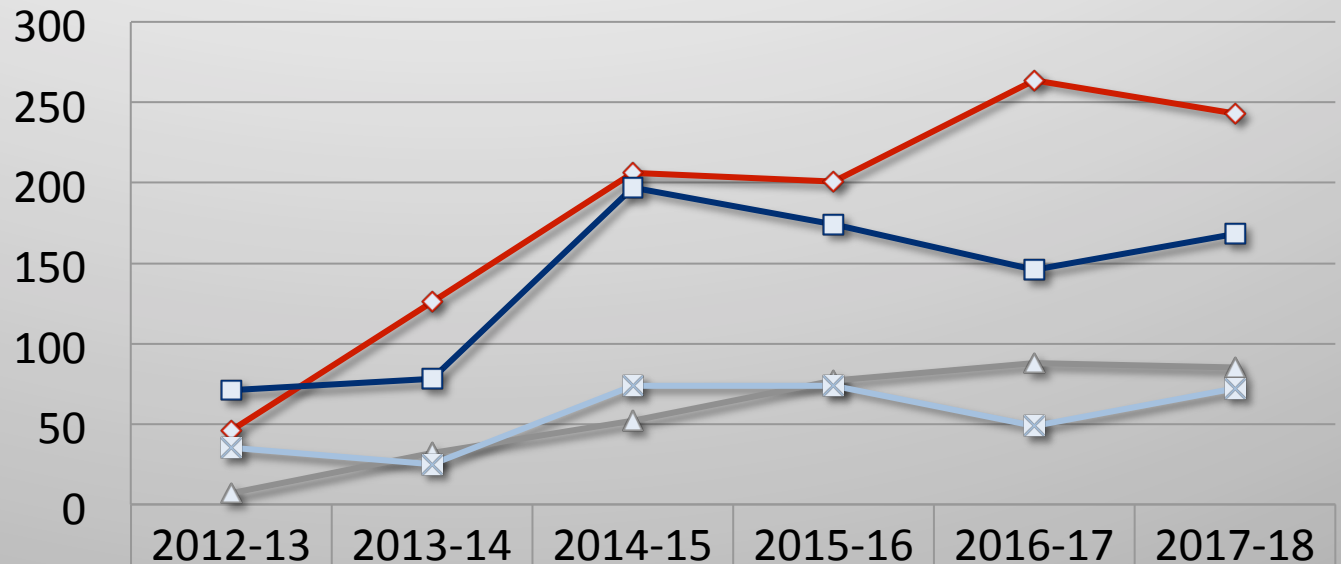
Transforming Schools

- 530 AP School Districts Nationwide
- 1,000 High Schools
- 34 States Partnering with N.M.S.I.
- 1st Partner in Arizona!



Advanced Placement (AP) Performance Levels

Math/Science/English Language Arts



◆ W.G.H.S.	46	126	206	201	264	243
■ S.H.S.	71	78	197	174	146	168
▲ Qualifying Score W.G.	7	32	52	77	88	85
⊠ Qualifying Score S.H.S.	35	25	74	74	49	72

✓ Data Updated Sep 1, 2018, Report Run Sep 11, 2018

Sahuarita Unified School District 30 (D215746) Total Students: 424; Total Schools: 2

District Totals by Score

Score	Eng Lang Comp	Eng Lit Comp	Euro Hist	Psyc	US Gov Pol	US Hist	Worl Hist	Calc AB	Comp Sci Prin	Stat	Biol	Chem	Env Sci	Phys 1	Span Lang	Total Exams	% of Total Exams
5	10			5	3	2	1	2		1					3	27	4.4
4	8	4		9	3	7	3	5	1	6	8		3		9	66	10.9
3	13	18	4	8	10	11	7	15	4	6	21	7	6		7	137	22.5
2	16	47	22	7	10	11	11	13	2	18	36	9	8	6	2	218	35.9
1	7	17	16	9	4	11	1	17	3	27	12	17	8	11		160	26.3
Total	54	86	42	38	30	42	23	52	10	58	77	33	25	17	21	608	100.0

District Totals by School

School	Eng Lang Comp	Eng Lit Comp	Euro Hist	Psyc	US Gov Pol	US Hist	Worl Hist	Calc AB	Comp Sci Prin	Stat	Biol	Chem	Env Sci	Phys 1	Span Lang	Total Exams
Sahuarita High School (030357)	22	15			10	15	23	19	9	30	36	19	14	5	21	238
Walden Grove High School (030731)	32	71	42	38	20	27		33	1	28	41	14	11	12		370

This report lists the total numbers of each score (1 to 5) for each AP subject and the total number of unique students for each AP score.

✓ Data Updated Aug 8, 2018, Report Run Sep 11, 2018

Disciplines : All Disciplines

Sahuarita High School (030357)

Total AP Students in Your School: **172**

School Totals for this View	5	4	3	2	1	Total Exams
Number of Exams	7	28	61	85	57	238
Percentage of Total Exams	3	12	26	36	24	100
Number of AP Students	7	25	54	78	51	

Subject Totals	5	4	3	2	1	Total Exams
English Language and Composition		4	3	10	5	22
English Literature and Composition			7	7	1	15
United States Government and Politics	1		4	4	1	10
United States History	1	2	5	4	3	15
World History	1	3	7	11	1	23
Calculus AB	1	5	6	5	2	19
Computer Science Principles		1	4	1	3	9
Statistics		2	4	6	18	30
Biology		2	7	23	4	36
Chemistry			3	6	10	19
Environmental Science			4	4	6	14

This report lists the total numbers of each score (1 to 5) for each AP subject and the total number of unique students for each AP score.

✓ Data Updated Sep 1, 2018, Report Run Sep 11, 2018

Disciplines : All Disciplines

Walden Grove High School (030731)

Total AP Students in Your School: **252**

School Totals for this View	5	4	3	2	1	Total Exams
Number of Exams	20	38	76	133	103	370
Percentage of Total Exams	5	10	21	36	28	100
Number of AP Students	16	34	62	117	92	

Subject Totals	5	4	3	2	1	Total Exams
English Language and Composition	10	4	10	6	2	32
English Literature and Composition		4	11	40	16	71
European History			4	22	16	42
Psychology	5	9	8	7	9	38
United States Government and Politics	2	3	6	6	3	20
United States History	1	5	6	7	8	27
Calculus AB	1		9	8	15	33
Computer Science Principles				1		1
Statistics	1	4	2	12	9	28
Biology		6	14	13	8	41
Chemistry			4	3	7	14

AP® Five-Year School Score Summary (2018)

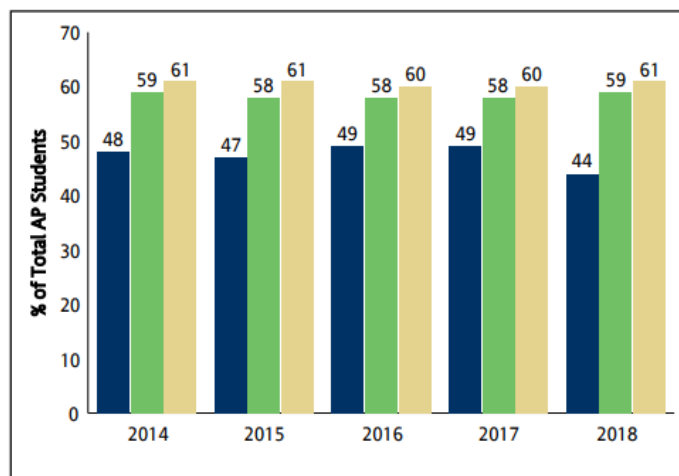
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This report shows five years of data at the school, state and global levels. On the first page, a graph illustrates the year-over-year change in the percentage of AP students with scores of 3 or higher, next to a table that provides the overall total exams, total unique students and both the number and percentage of AP students with one or more scores of 3 or higher. On subsequent pages, the report provides subject-specific summary data by year: total exams, total exams by score and mean score.

✓ Data Updated Sep 1, 2018, Report Run Sep 11, 2018

Sahuarita High School (030357)

% of Total AP Students with Scores 3+



% of Total AP Students with Scores 3+



% of Total AP Students with Scores 3+



% of Total AP Students with Scores 3+

2014 2015 2016 2017 2018

Sahuarita High School (030357)

Total AP Students	90	195	158	139	172
Number of Exams	125	295	259	202	238
AP Students with Scores 3+	43	91	78	68	75
% of Total AP Students with Scores 3+	47.8	46.7	49.4	48.9	43.6

Arizona

Total AP Students	32,883	35,270	37,413	39,978	41,005
Number of Exams	57,716	63,480	67,520	71,633	72,594
AP Students with Scores 3+	19,256	20,526	21,774	23,017	23,994
% of Total AP Students with Scores 3+	58.6	58.2	58.2	57.6	58.5

Global

Total AP Students	2,352,026	2,497,164	2,625,319	2,762,293	2,830,105
Number of Exams	4,199,454	4,516,044	4,741,566	5,006,273	5,139,492
AP Students with Scores 3+	1,442,136	1,515,264	1,583,115	1,666,078	1,736,109
% of Total AP Students with Scores 3+	61.3	60.7	60.3	60.3	61.3

AP® Five-Year School Score Summary (2018)

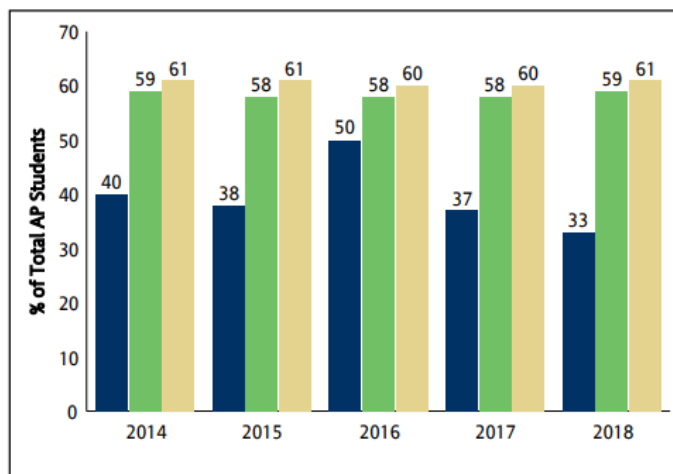
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Walden Grove High School (030731)

% of Total AP Students with Scores 3+



■ Walden Grove High School (030731) ■ Arizona ■ Global

2014 2015 2016 2017 2018

Walden Grove High School (030731)

Total AP Students	136	213	200	327	252
Number of Exams	221	343	318	480	370
AP Students with Scores 3+	54	81	99	120	84
% of Total AP Students with Scores 3+	39.7	38.0	49.5	36.7	33.3

Arizona

Total AP Students	32,883	35,270	37,413	39,978	41,005
Number of Exams	57,716	63,480	67,520	71,633	72,594
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% of Total AP Students with Scores 3+	61.3	60.7	60.3	60.3	61.3

DISTRICT IMPACT

300%

average increase in
number of AP tests
taken

187%

increase in AP
course sections
offered

140%

increase in qualifying
AP scores

41K

in student
incentives

1834

AP tests taken

600+

hours of teacher
training

Investment for Continuity

Our goal is to sustain and grow the National Math & Science Initiative within the Sahuarita Unified School District.

Yearly continuation of the program would require an investment of **\$150,000** from partners in education and an additional **\$25,000** from the District.

A healthy, well-trained workforce is the most valuable asset at any company, and by investing in this initiative, you give students a head start on earning college credits while they are still in high school, cutting costs and speeding toward degrees— and jobs.

Thank you for your considering this opportunity to partner with our District.



NATIONAL
MATH + SCIENCE
INITIATIVE

Goal: 21st Century Readiness, Personalized Instruction, Quality Service Standards, Highly Qualified Staff, & Accountability.

- By 2020, **74%** of all jobs in the Global Economy will require **STEM** degrees, according to research from the organization *Change the Equation*.
- *Board Packet Contents:*
 - ~ AP Performance Levels/Multi-Year
 - ~ SUSD #30 AP Course Offerings
- Year 5 Strategic Plan
- Questions & Comments

