

Dr. Charles Weis  
*Superintendent of Schools*

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## **SCCOE Analysis: California Standards Tests**

The California Department of Education (CDE) released the 2008 California Standards Tests (CST) results to districts on August 11, 2008. These results are scheduled for public release on August 14, 2008. CST scores are used to calculate Academic Performance Index (API) and are compared to Adequate Yearly Progress (AYP) accountability targets (See Appendix for AYP accountability targets). AYP and API reports are scheduled for public release on August 31, 2008.

Dr. Dale Russell and Linda Aceves from our office have analyzed the data and their findings are presented in two parts: Part 1 compares performance of students in Santa Clara County (SCC) with students across the state; Part 2 summarizes performance of students in SCC on the CSTs from 2003 to 2008 overall and for selected ethnic subgroups. Spring 2008 data are also analyzed for SCC students who are Economically Disadvantaged (Econ Dis.), English Learners, Disabled (DI) and five ethnic subgroups.

Note: Student counts used to calculate percentages are shown on page twenty-three.

**Part 1: Santa Clara County Compared to California**

This section details the following findings for the 2008 CSTs:

- (1) Comparison between SCC and CA students scoring proficient or above for ELA, Mathematics, Science, and History/Social Science,
- (2) Comparison between SCC and CA subgroups scoring proficient or above for ELA and Mathematics.

		<b>2008 Findings</b>	<b>Figure</b>
English-Language Arts (ELA)	Overall	57% of SCC students scored proficient or above compared to 46% statewide.	Figure 1
	All Subgroups	For all subgroups, except Filipino, a higher percentage of SCC students scored proficient or above than students statewide.	Figure 2
Mathematics	Overall	63% of SCC students scored proficient or above compared to 53% statewide.	Figure 1
	All Subgroups	In all subgroups, except Hispanic and Filipino, a higher percentage of SCC students (grades 2-7) scored proficient or above than students statewide.	Figure 3
Science	Overall	A higher percentage of SCC students scored proficient or above than students statewide.	Figure 4
History/ Social Science	Overall	A higher percentage of SCC students scored proficient or above than students statewide.	Figure 5

**Part 2: Santa Clara County Scores Over Time**

This section details four major findings for each CST:

- (1) Percent of SCC students scoring proficient or above on the 2008 CST,
- (2) Differences across SCC subgroups performance on the 2008 CST,
- (3) Grade level trends, and
- (4) Ethnic Subgroup trends over time.

<b>English-Language Arts</b>			
		<b>Findings</b>	<b>Figure</b>
<b>2008 Snapshot</b>	Overall	57% of SCC students scored proficient or above.	Figure 1
	All Subgroups	Asian and White students scored higher while English Learners, Hispanic and Students with Disabilities scored lower.	Figure 2
<b>Trends</b>	Grade Level	Most SCC grades improved from 2007 to 2008. 4 <sup>th</sup> graders showed the greatest improvement from 2003 to 2008 (+14 percentage points).	Figure 6
	Ethnic Subgroups	The trend of Asian and White students scoring higher than other ethnic subgroups has been consistent over the past six years. In addition, all subgroups are improving over time.	Figure 7

<b>Mathematics</b>			
		<b>Findings</b>	<b>Figure</b>
2008 Snapshot	Overall	63% of SCC students (grades 2-7) were proficient or above.	Figure 1
		SCC student performance ranged from 33% to 67% proficient or above on end-of-course mathematics tests.	Figure 9
	All Subgroups	Asian and White students scored higher while English Learner, Economically Disadvantaged, and Hispanic students scored lower.	Figure 10
Trends	Grade Level	SCC students in second through seventh grade improved from 2007 to 2008.	Figure 8
		5 <sup>th</sup> graders showed the greatest improvement over the six-year period (+15 percentage points).  Proficiency has improved over time in all end-of-course math tests.	Figure 9
	Ethnic Subgroups	Though Asian and White students have consistently scored higher than all other ethnic subgroups, all subgroups have improved over time.	Figure 11

<b>Science</b>			
		<b>Findings</b>	<b>Figure</b>
2008 Snapshot	Overall	58% percent of SCC students (grades 5, 8, and 10) scored proficient or above on Life Science.	Figure 4
		Student performance ranged from 43% to 61% proficient or above on end-of-course science tests.	Figure 12
	All Subgroups	Asian and White students scored higher and African American, English Learners, Economically Disadvantaged, Hispanic and Students with Disabilities scored lower.	Figure 13 Figure 14
Trends	Grade Level	Students improved in all areas of science.  5 <sup>th</sup> graders showed the greatest improvement over the five-year period (+24 percentage points)	Figure 12
	Ethnic Subgroups	Asian and White students scored higher than all other ethnic subgroups on the fifth grade Science test. This trend has been consistent over the past six years. In addition, all subgroups are improving over time.	Figure 15

<b>History/Social Science</b>			
		<b>Findings</b>	<b>Figure</b>
2008 Snapshot	Overall	50% of SCC 8 <sup>th</sup> grade students scored proficient or above. 46% of students were proficient or above in World History 48% were proficient or above in United States History.	Figure 16
	All Subgroups	Asian and White students scored higher than Filipino, African American, Economically Disadvantaged and Hispanic students. English Learners and Students with Disabilities scored the lowest.	Figure 17
Trends	Grade Level	Students taking the CST in World History showed the greatest improvement over the six-year period (+8 percentage points).	Figure 16
	Ethnic Subgroups	Though Asian and White eighth grade students have consistently scored higher than all other ethnic subgroups, all subgroups have improved over the last six years.	Figure 18

The number of SCC students taking Algebra I, Algebra II, Biology, Chemistry and Physics courses has increased in the past six years. Despite the increase in numbers of students taking the test, the percent of students scoring proficient or above has also increased.

	2004 % Proficient or Above and Students Tested (n)	2008 % Proficient or Above and Students with Scores (n)	Five-Year Difference (n)	Change in Students Scoring Proficient or Above (% points) 2004-2008
Algebra I	26% (22,853)	36% (28,436)	5,583	10
Algebra II	33% (9,808)	41% (12,050)	2,242	8
Biology/Life Sciences	47% (16,765)	53% (21,284)	4,519	6
Chemistry	38% (10,537)	43% (12,552)	2,015	5
Physics	46% (3,119)	61% (4,192)	1,073	15

Figure 1

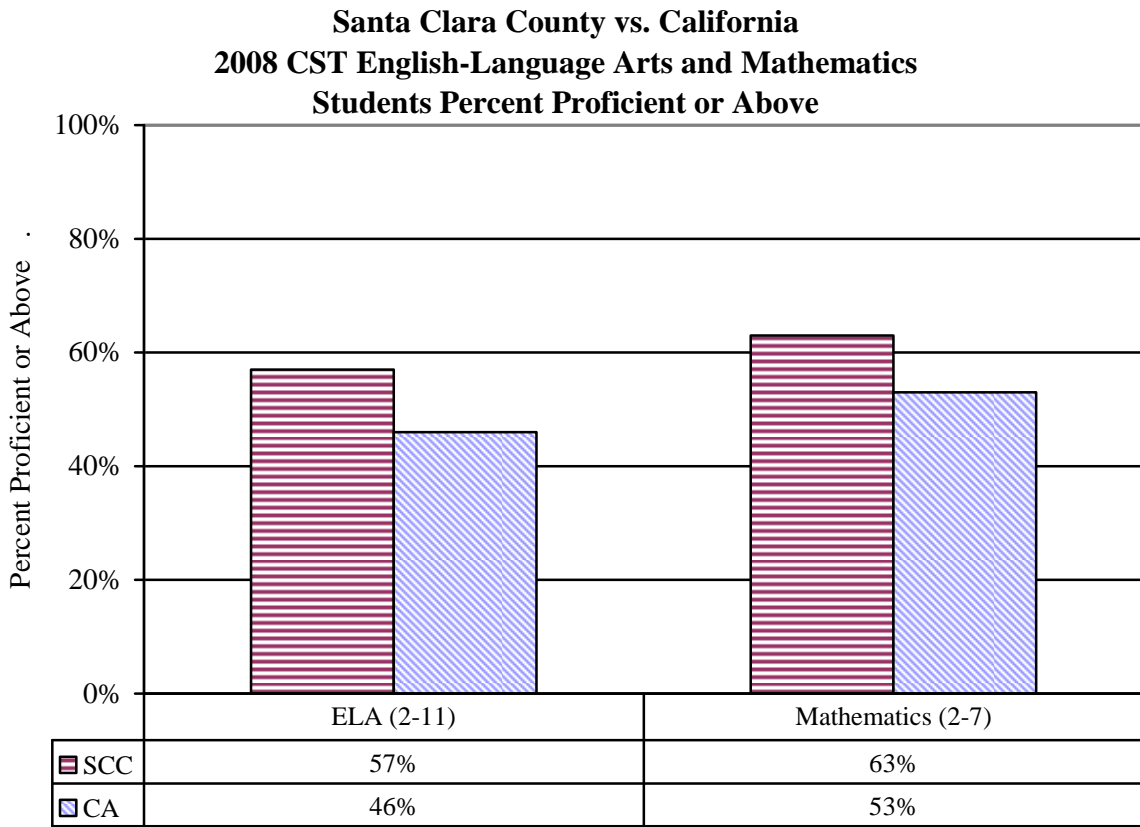


Figure 2

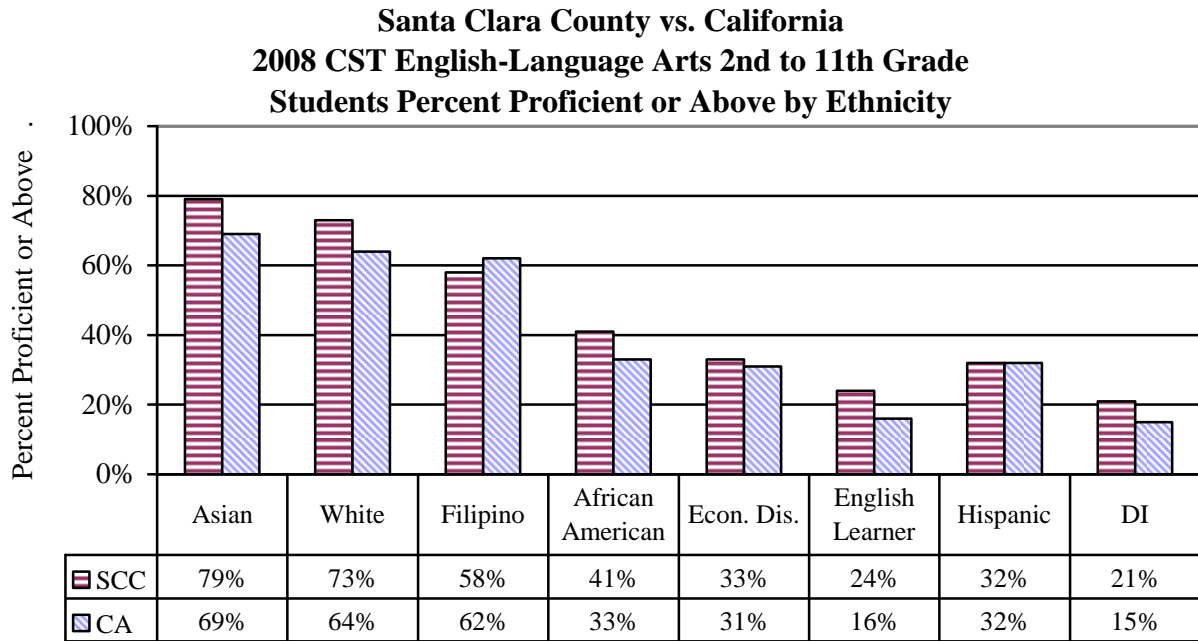


Figure 3

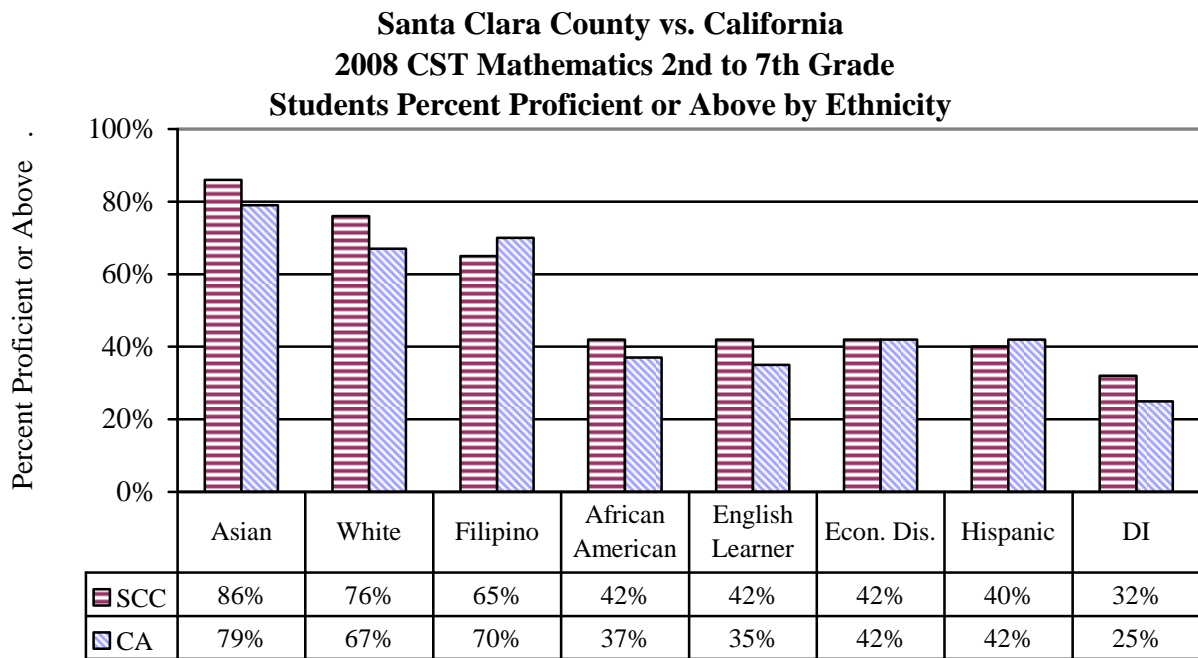


Figure 4

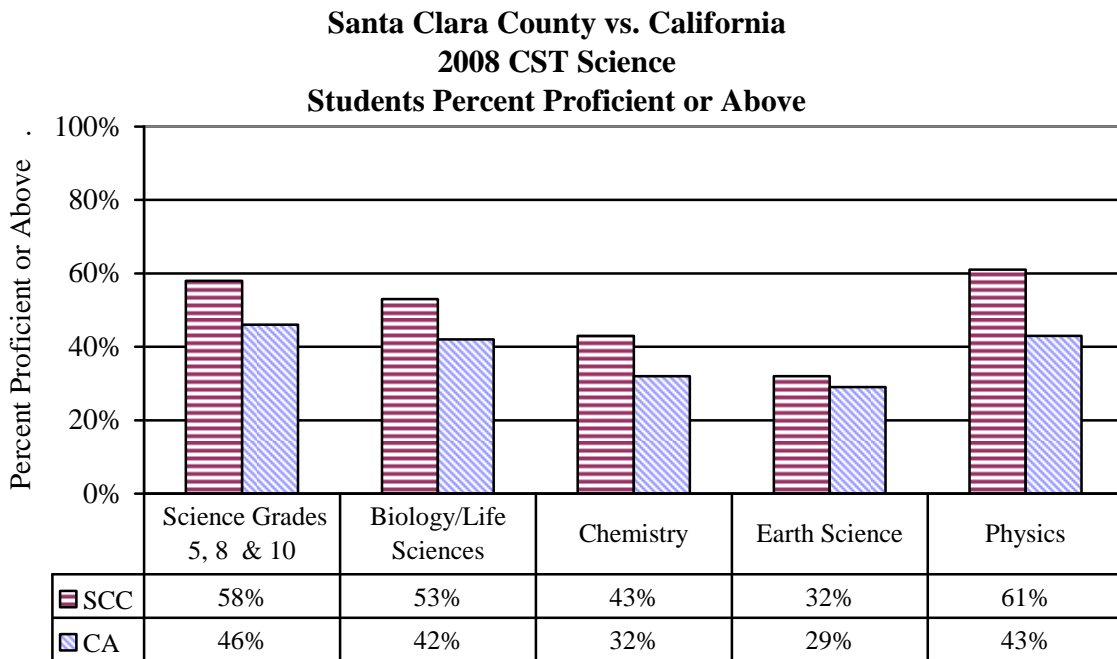


Figure 5

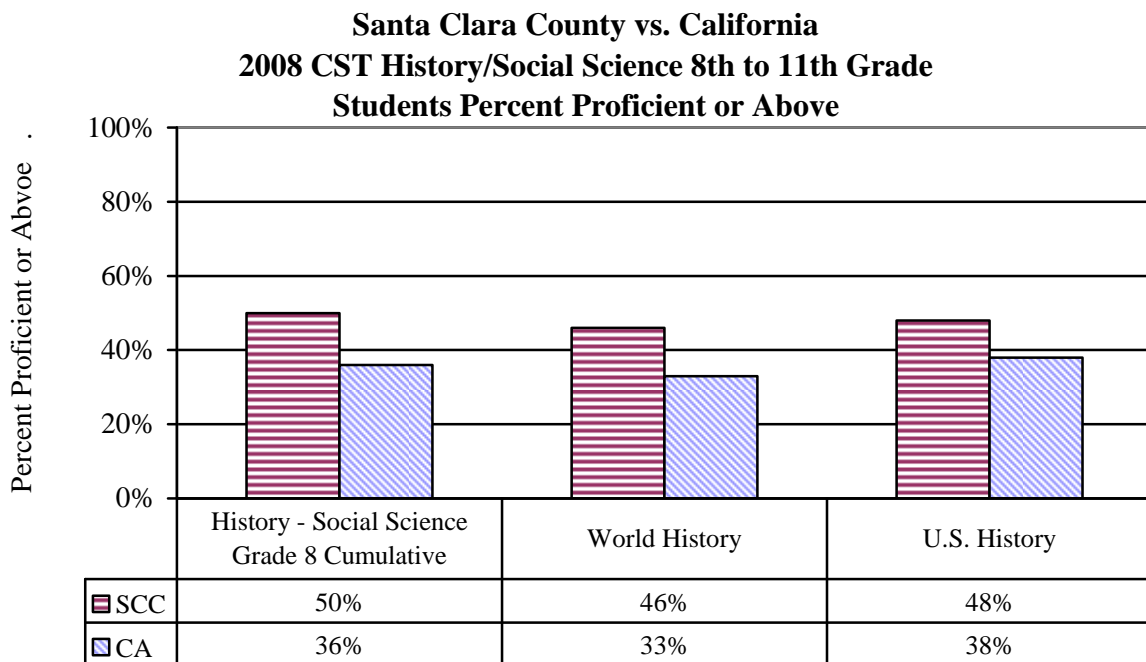


Figure 6

**Santa Clara County  
2003 to 2008 CST English-Language Arts  
Students Percent Proficient or Above by Grade Level**

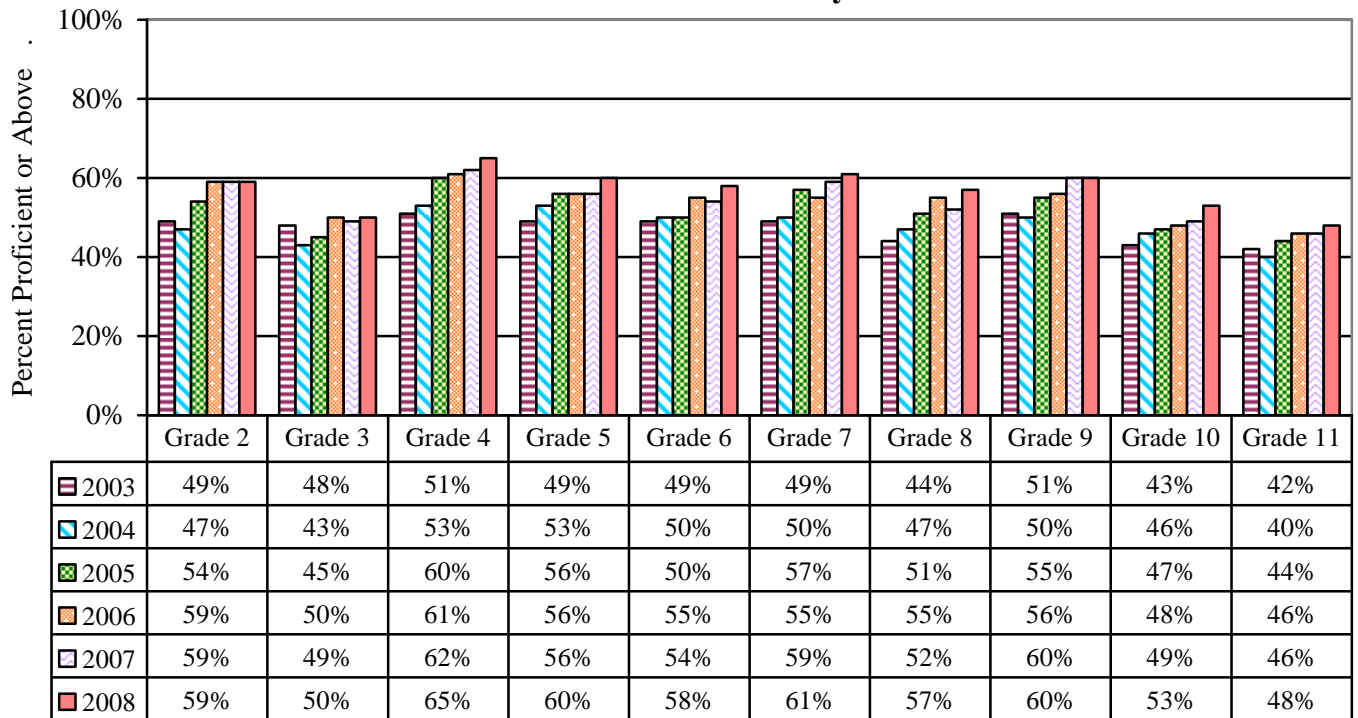


Figure 7

**Santa Clara County  
2003 to 2008 CST English/Language Arts 2nd to 11th Grade  
Selected Student Subgroups Percent Proficient or Above**

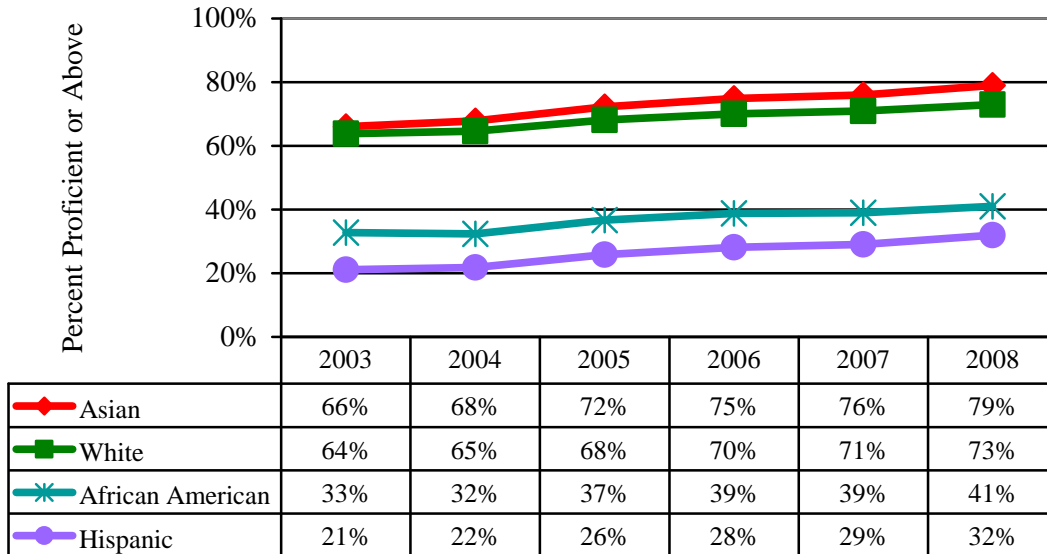


Figure 8

**Santa Clara County  
 2003 to 2008 CST Mathematics  
 Students Percent Proficient or Above by Grade Level**

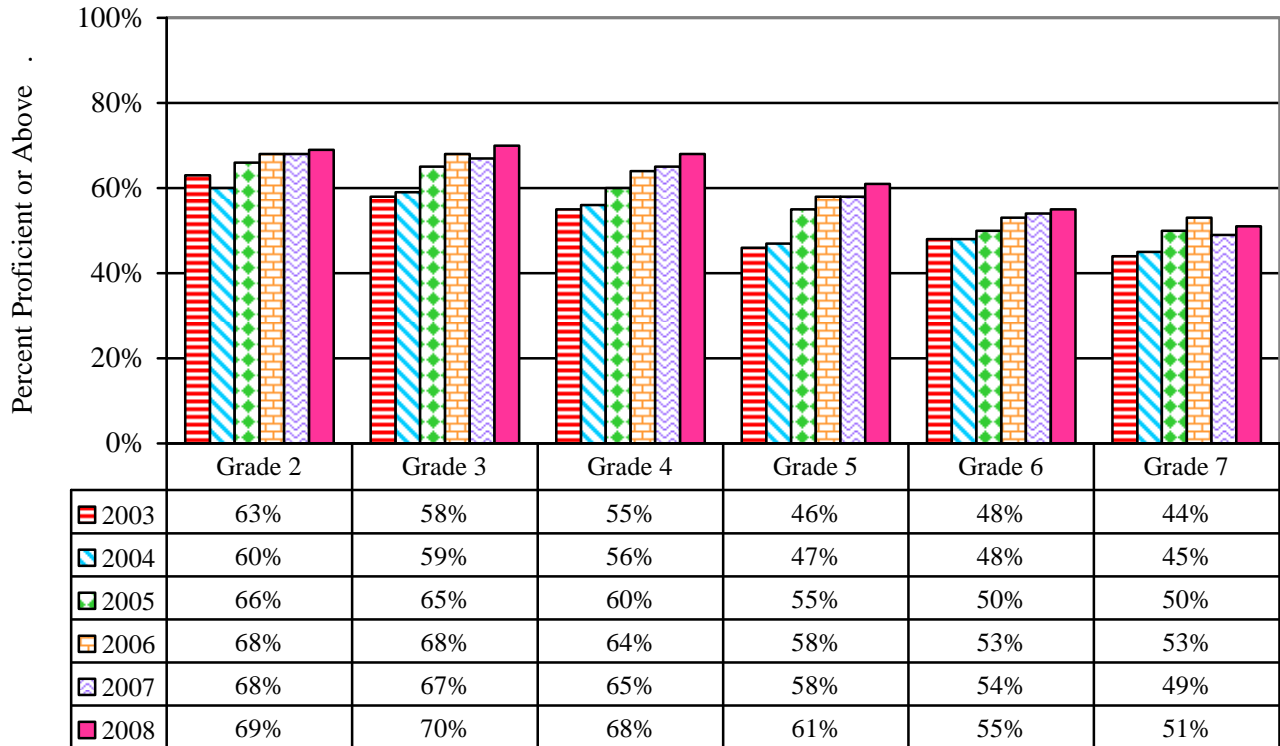


Figure 9

**Santa Clara County 2004 to 2008 CST  
High School End of Course Math Assessments  
Students Percent Proficient or Above**

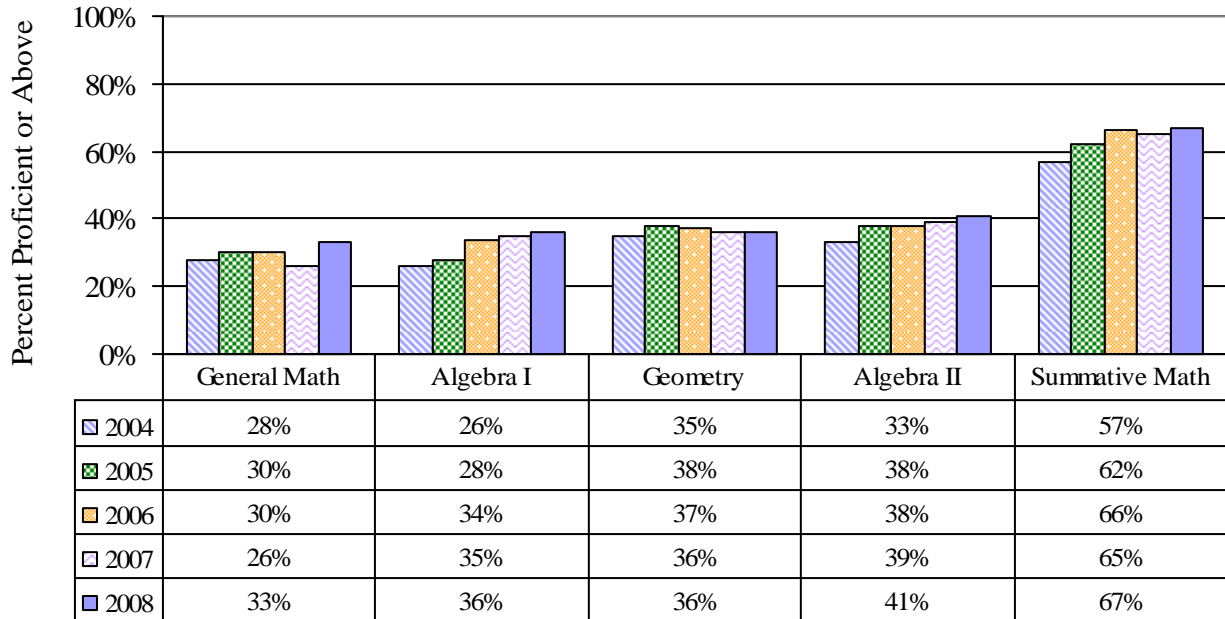
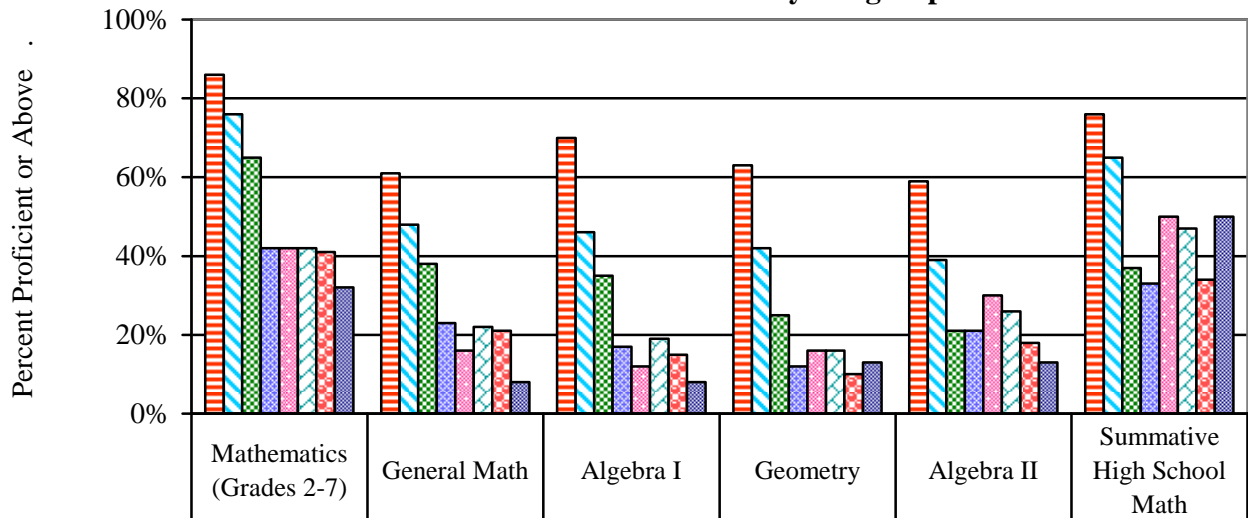


Figure 10

**Santa Clara County  
2008 CST Mathematics  
Students Percent Proficient or Above by Subgroup**



Asian	86%	61%	70%	63%	59%	76%
White	76%	48%	46%	42%	39%	65%
Filipino	65%	38%	35%	25%	21%	37%
African American	42%	23%	17%	12%	21%	33%
English Learner	42%	16%	12%	16%	30%	50%
Econ. Dis.	42%	22%	19%	16%	26%	47%
Hispanic	41%	21%	15%	10%	18%	34%
DI	32%	8%	8%	13%	13%	50%

Figure 11

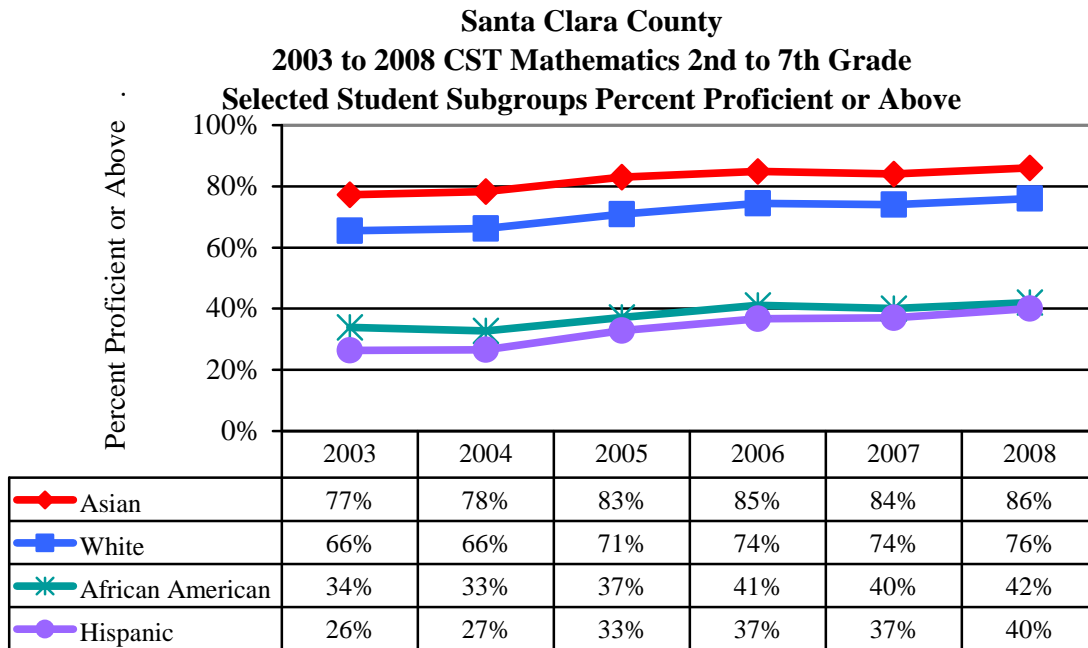
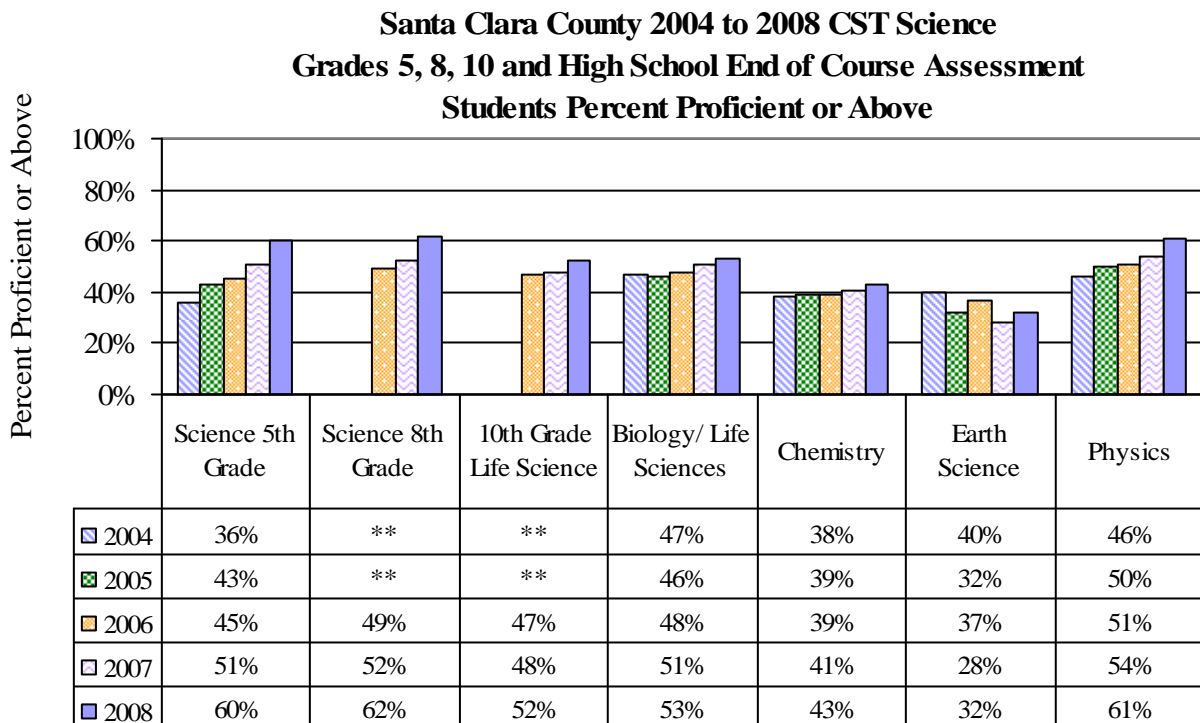


Figure 12



\*\* No test administered

Figure 13

**Santa Clara County  
2008 Grade 5, Grade 8 and Grade 10 Life Science  
Students Percent Proficient or Above by Subgroup**

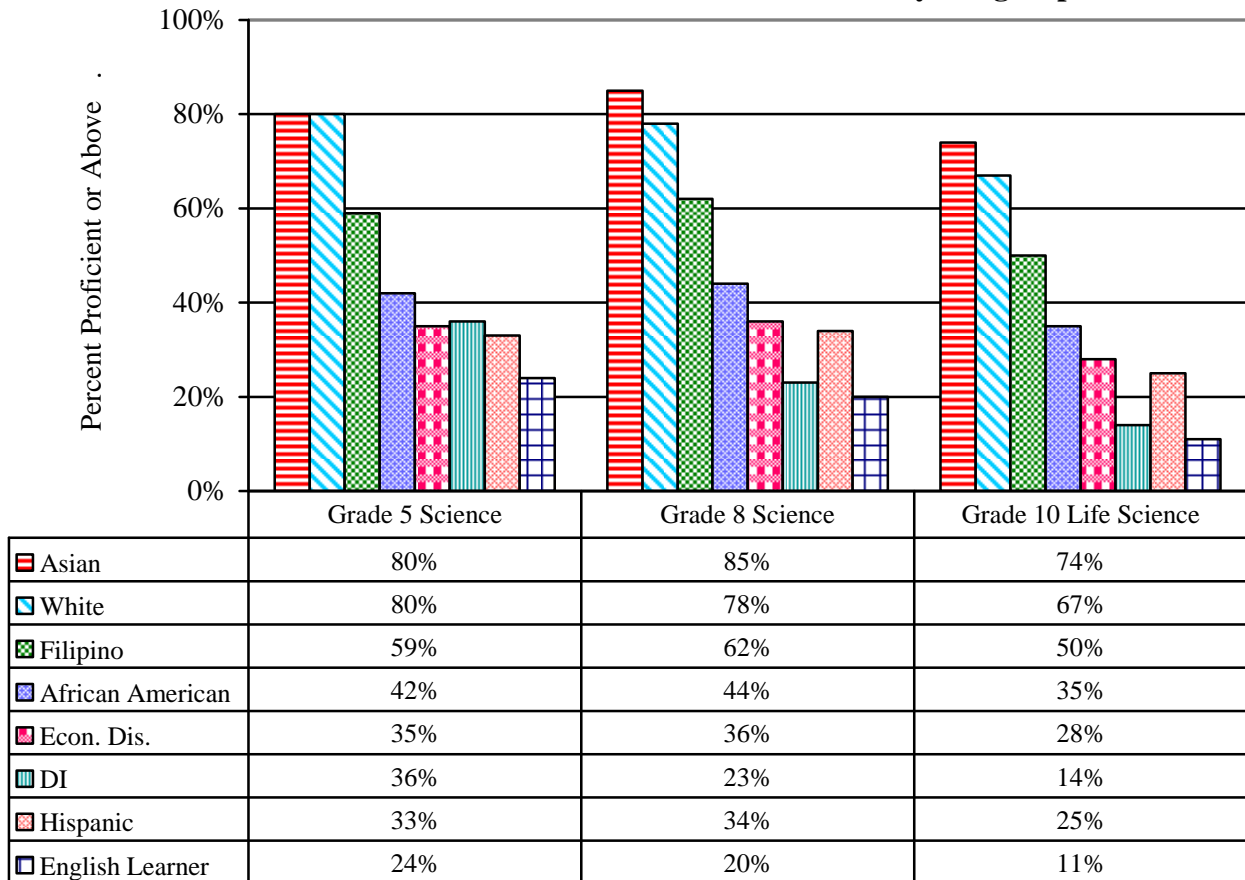
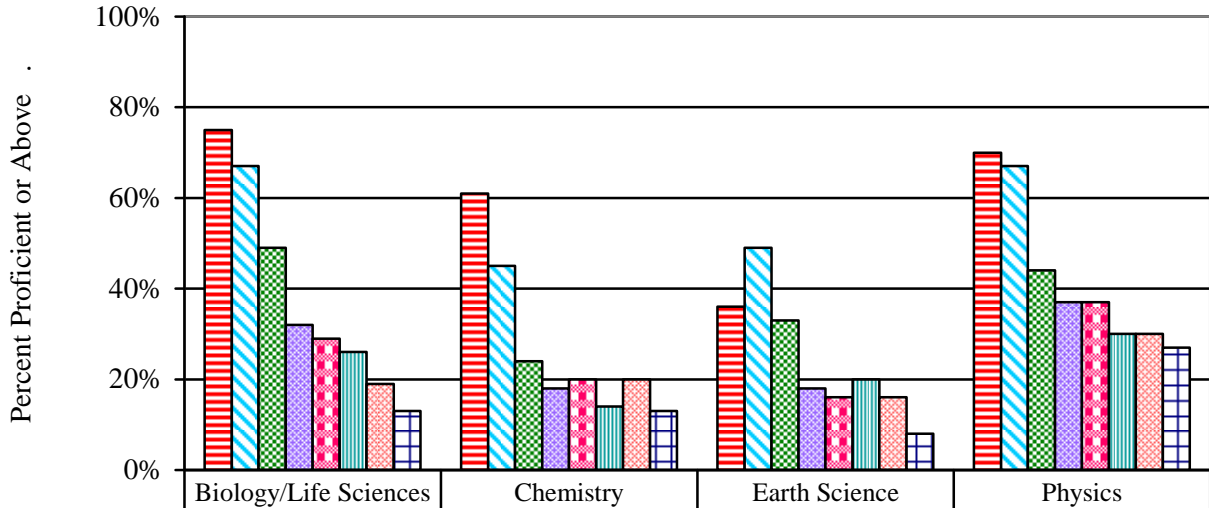


Figure 14

**Santa Clara County  
2008 CST Science High School  
Students Percent Proficient or Above by Subgroup**



	Biology/Life Sciences	Chemistry	Earth Science	Physics
Asian	75%	61%	36%	70%
White	67%	45%	49%	67%
Filipino	49%	24%	33%	44%
African American	32%	18%	18%	37%
Econ. Dis.	29%	20%	16%	37%
Hispanic	26%	14%	20%	30%
DI	19%	20%	16%	30%
English Learner	13%	13%	8%	27%

Figure 15

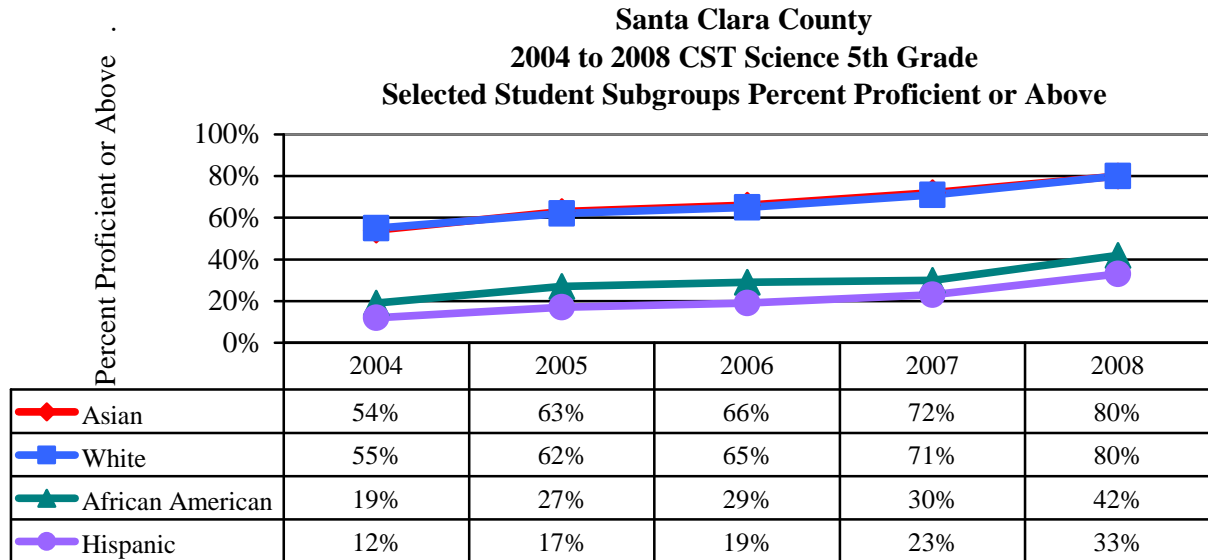


Figure 16

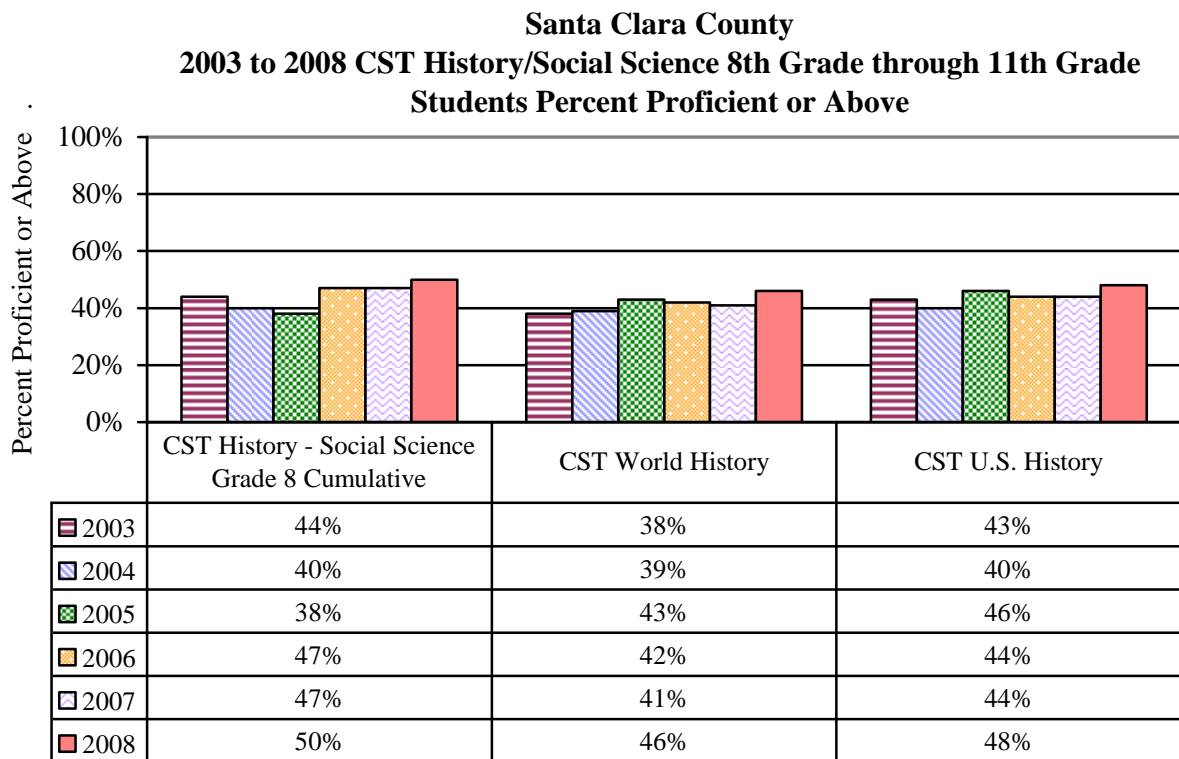


Figure 17

**Santa Clara County  
2008 CST History/Social Science 8th Grade and High School History  
Students Percent Proficient or Above by Subgroup**

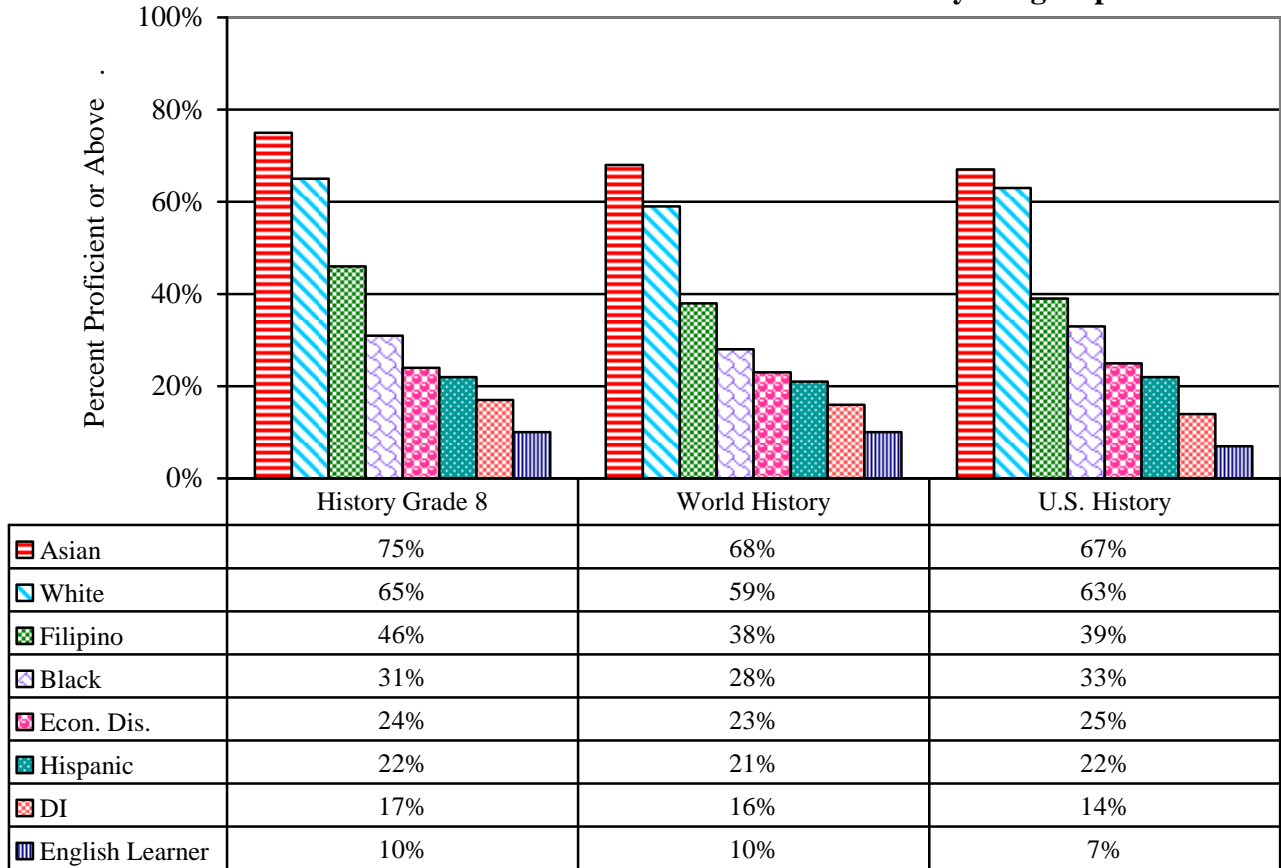
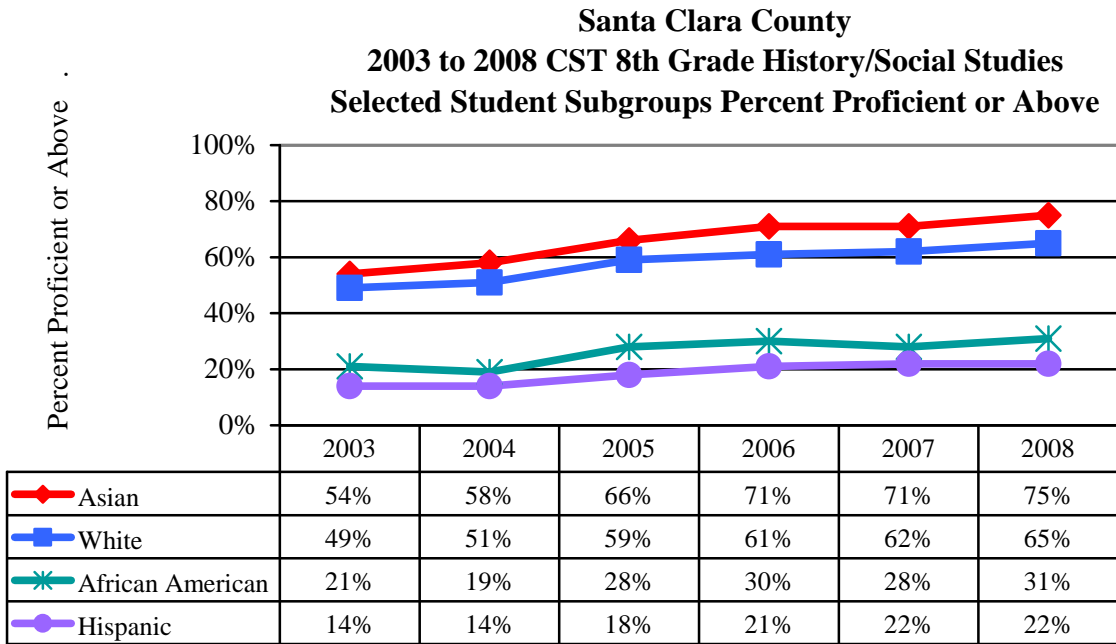
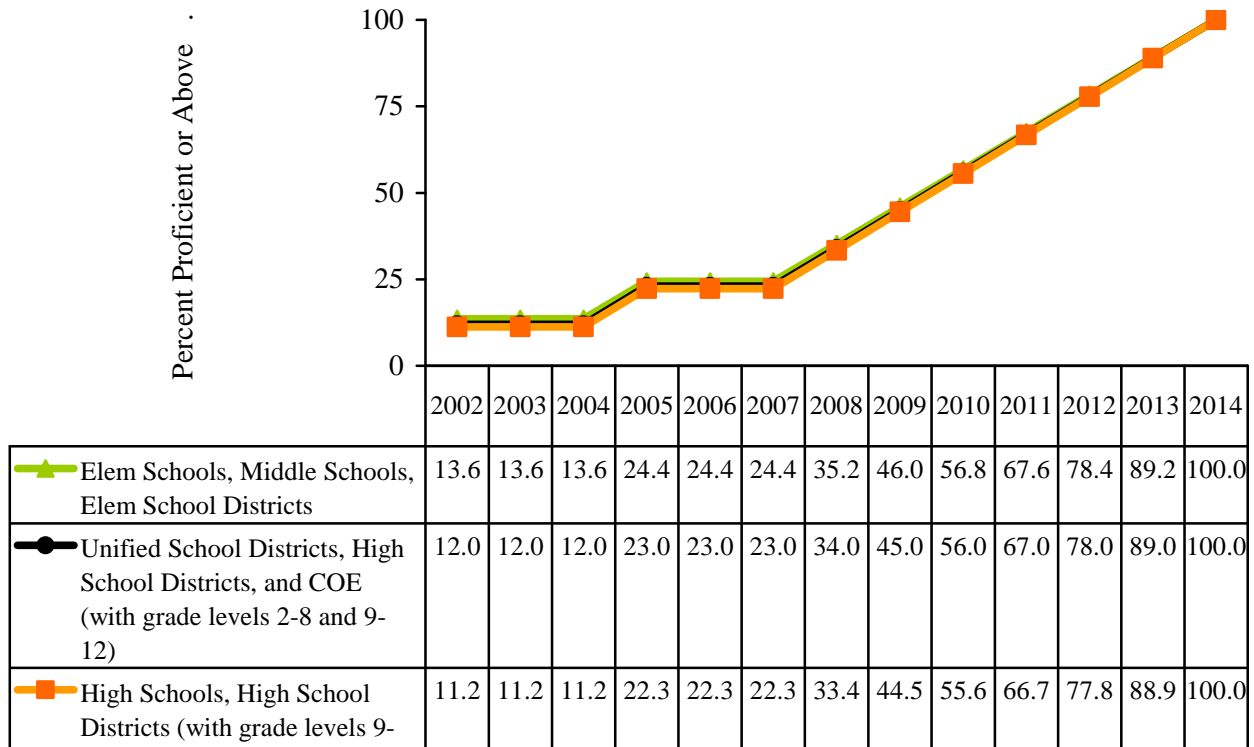


Figure 18

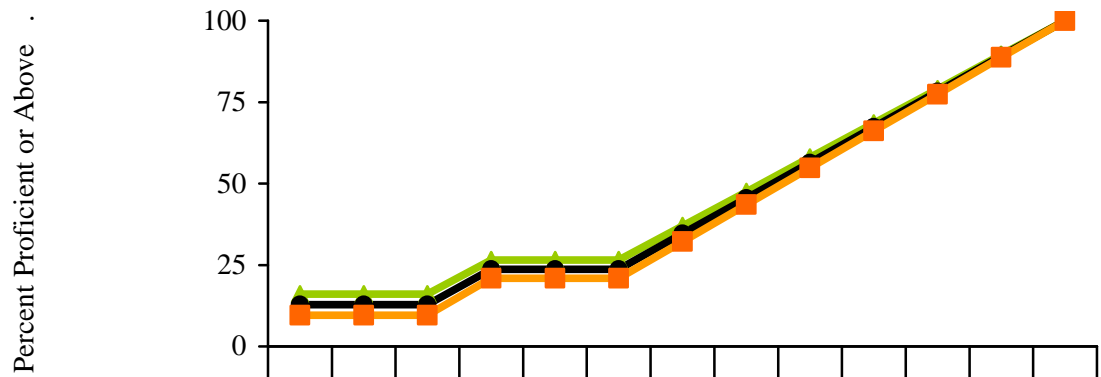


Appendix: AYP Targets

**AYP English/Language Arts Target Percent Proficient or Above  
by School/District Level**



**AYP Mathematics Targets Percent Proficient or Above  
by School/District Level**



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
▲ Elem Schools, Middle Schools, and Elem School Districts	16.0	16.0	16.0	26.5	26.5	26.5	37.0	47.5	58.0	68.5	79.0	89.5	100.0
● Unified School Districts, High School Districts, and COE (with grade levels 2-8 and 9-12)	12.8	12.8	12.8	23.7	23.7	23.7	34.6	45.5	56.4	67.3	78.2	89.1	100.0
■ High Schools, High School Districts (with grade levels 9-12)	9.6	9.6	9.6	20.9	20.9	20.9	32.2	43.5	54.8	66.1	77.4	88.7	100.0

## Numbers of Students with scores on the 2008 CST by Subject and Course

	<b>SCC</b>	<b>CA</b>
CST English-Language Arts (Grades 2-11)	190,829	4,648,818
CST Mathematics (Grades 2-7)	113,199	2,706,539
CST General Mathematics (Grades 6 & 7 Standards)	8,257	287,317
CST Algebra I	28,368	744,849
CST Integrated Math 1	49	8,833
CST Geometry	16,973	382,897
CST Integrated Math 2	30	4,291
CST Algebra II	12,035	239,215
CST Integrated Math 3	5	1,485
CST Summative High School Mathematics (Grades 9-11)	7,442	115,875
CST History - Social Science Grade 8 Cumulative	18,999	479,661
CST World History	19,255	480,766
CST U.S. History	17,721	432,553
Science 5th Grade	18,771	206,095
Science 8th Grade	18,944	248,974
Science 10th Grade	18,405	185,250
CST Biology/Life Sciences	21,284	523,788
CST Chemistry	12,552	232,154
CST Earth Science	3,212	223,833
CST Physics	4,192	64,065
CST Integrated/Coordinated Science 1	6,158	75,691
CST Integrated/Coordinated Science 2	79	7,758
CST Integrated/Coordinated Science 3	0	1,957
CST Integrated/Coordinated Science 4	1	429