

Working Draft Report  
for QEIA Monitoring  
August 2008

High School Sample  
from [4point0schools.com](http://4point0schools.com)

On this version: This version does not incorporate the August 2008 data releases. All QEIA reports will have the most current data available.

On QEIA monitoring: This report uses official data from the state that is publicly available. The class size calculation will be useful in tracking changes over time, but does not meet the requirement for QEIA class size monitoring. Schools will be required to report attendance records specifically for this purpose. In addition, the counselor calculation for high schools does not include whether the counselor has a Pupil Personnel Services Credential. Teams will want to cross-check this information in their monitoring. Paraprofessional data are not yet included in this draft, but we do anticipate that it will be available.

Pricing is \$799 for single school orders with a bulk discount schedule for multiple orders. Schools will receive a digital report as well as digital graphics files of all graphs included in the report (which can be repurposed for other school reports and presentations).

Comments and inquiries:

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## QEIA Monitoring

### Academic Performance Index

The Quality Education Investment Act (QEIA) requires in the first three years of funding that a school exceed its API growth target, averaged over the previous three years.

**Progress:** This year, Sierra Sunset High School's API is 668, a gain of one point over 2006. Performance on the assessments that make up the Academic Performance Index are included in this report.

### Highly Qualified Staff

To maintain QEIA funding, 100% of the teachers in academic core assignments are to be highly qualified in accordance with No Child Left Behind.

**Progress:** During the 2006-07 school year, 98% of Sierra Sunset High School's staff were highly qualified in core areas of instruction. Progress in core subject areas and grade levels is included within this report.

### Teacher Experience

After three years of QEIA implementation, school staff must have, on average, at least as much teaching experience as do teachers in the district. Sierra Sunset High School teachers, for instance, must have at least as much experience as teachers in the high schools in the Sierra School District as a whole.

**Progress:** The teacher experience target for Sierra Sunset High School is 7.2. In 2007, Sierra Sunset High School teachers averaged 6.3 years. More detail on teacher experience is provided in this report.

### Class Size

A key goal of the QEIA legislation is to decrease class size in QEIA schools and, thereby, improve the ratio of teachers to students. QEIA schools must reduce class sizes to 20 students in kindergarten through third grades. In grades four and above, school targets depend on class sizes in 2005 and 2006, as they reported in CBEDS. Schools have schoolwide targets as well as grade-level targets. We have calculated the targets for Sierra Sunset High School according to QEIA legislation and include those targets in this report. It is important to note, however, that for the purposes of monitoring QEIA progress, schools are required to use a method of accounting like that used in K-3 class size reduction, not the method presented here using CBEDS data. The data in this report can provide insight into the school's areas of improvement, but are not appropriate for determining if the school met its target.

### Student-to-Counselor Ratio

Under the requirements of QEIA, the student-to-counselor ratio in high schools is to be no more than 300:1. Not all QEIA high schools are required to meet this requirement in the legislation, but the analysis is informative nonetheless.

**Progress:** In 2007, there was one counselor for every 398 students at Sierra Sunset High School.

### Highly Qualified Paraprofessionals

All paraprofessionals must be highly qualified.

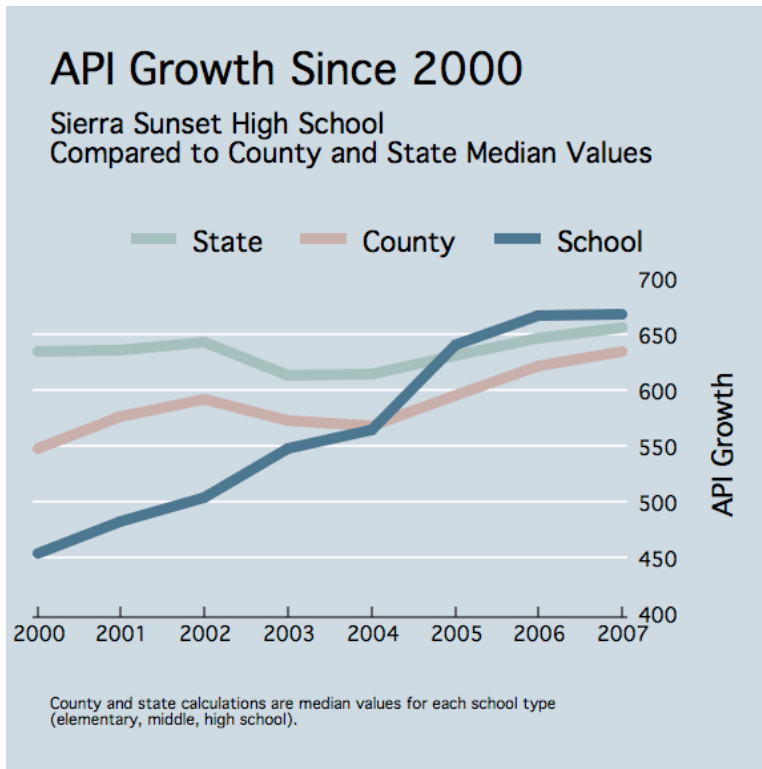
**Progress:** In 2007, 95% of paraprofessionals at Sierra Sunset High School were highly qualified under NCLB.

## Progress in Student Achievement

### Academic Performance Index

This year, Sierra Sunset High School's API is 668, a gain of one point since the 2006 growth API. Since Sierra Sunset High School's growth API was first calculated in 2000, its growth has been strong. Sierra Sunset High School's students performed above the median high school in the county and above the median high school in the state in 2007.

2007 API	
<b>API growth score</b>	<b>668</b>
<b>Met target:</b>	<b>Yes</b>

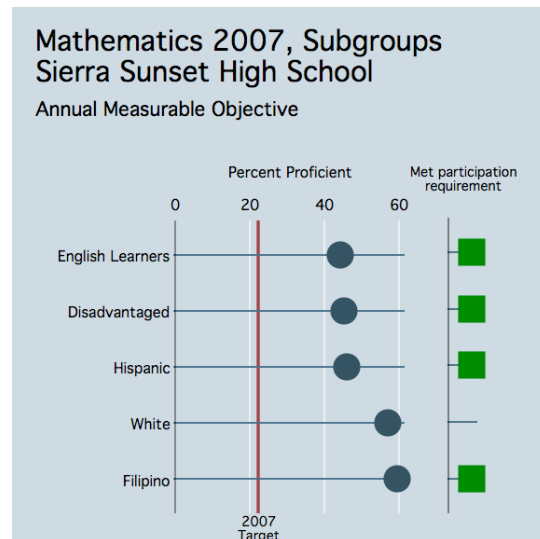
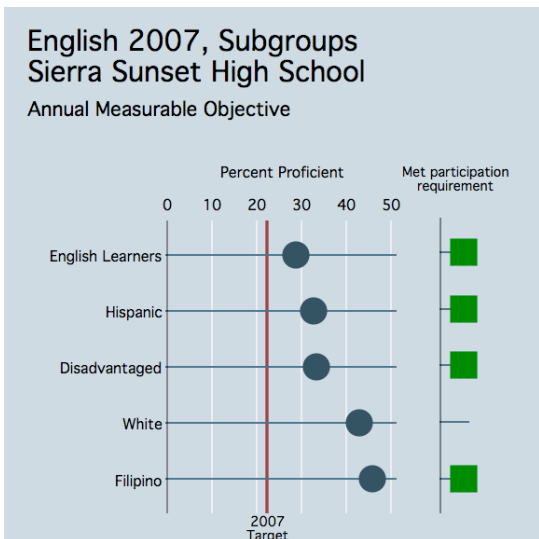
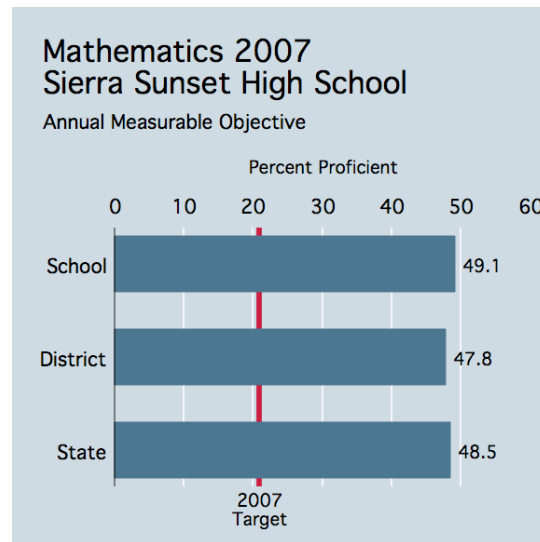
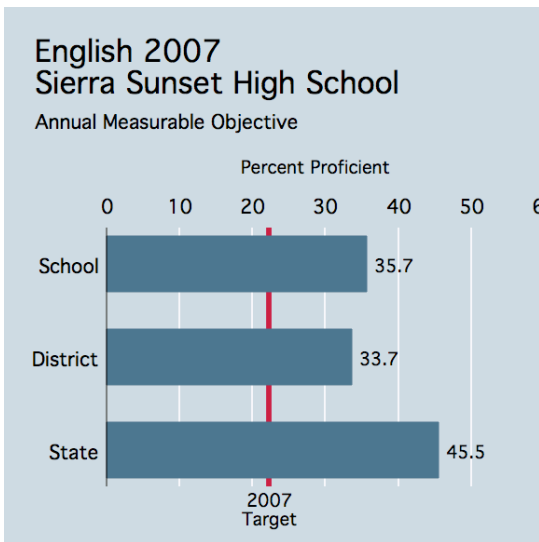


## Annual Measurable Objectives

To meet the Annual Measurable Objectives (AMO) required under No Child Left Behind, high school students must perform well on the California High School Exit Exam (CAHSEE) in Mathematics and English-Language Arts.

2007 AMOs	
<b>English target:</b>	<b>22.3%</b>
<b>English performance:</b>	<b>35.7%</b>
<b>Math target:</b>	<b>20.9%</b>
<b>Math performance:</b>	<b>49.1%</b>

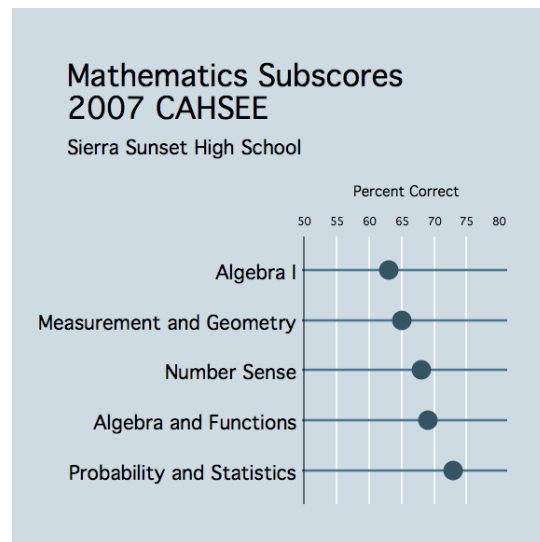
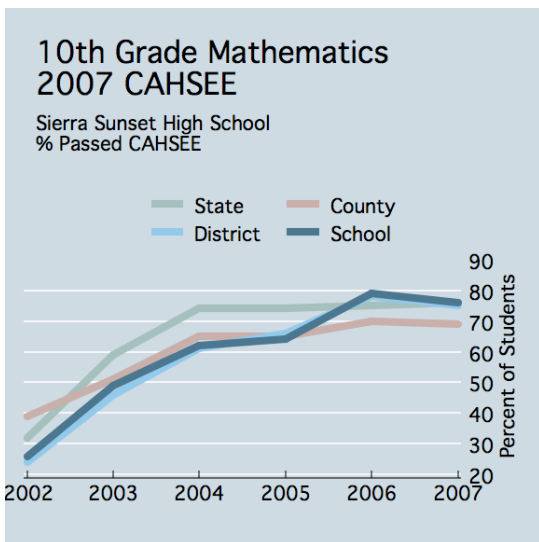
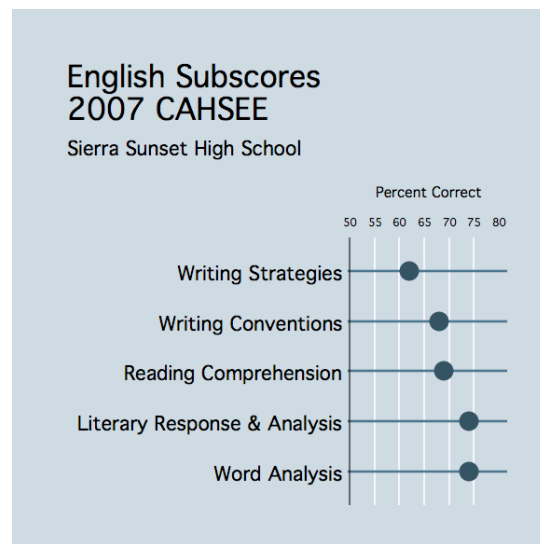
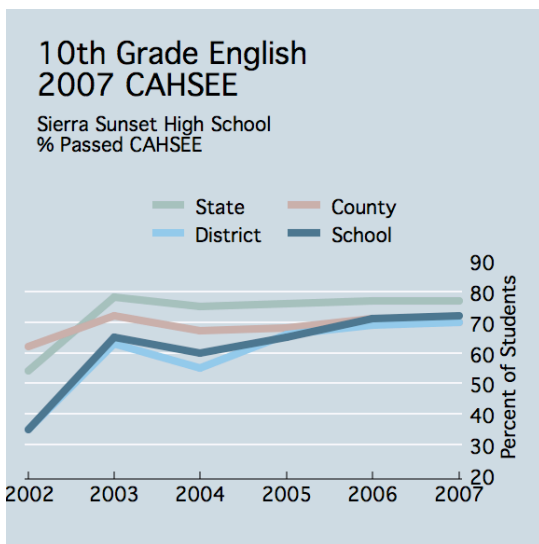
Sierra Sunset High School did meet the target of 22.3% in English-Language Arts this year. 35.7% of its students scored at the proficient level or above on the English portion of the CAHSEE. In Mathematics, Sierra Sunset High School did meet the 20.9% target. 49.1% of its students scored at the proficient level or higher.



## California High School Exit Exam (CAHSEE)

For high schools, the performance of tenth grade students on the California High School Exit Exam is the key to meeting the requirements under No Child Left Behind (NCLB). The NCLB measures presented previously in this report represent the percentage of students who not only passed the CAHSEE, but scored at a proficient level in the tenth grade. The figures in this section display the percentage of students who passed the CAHSEE in the tenth grade compared to the pass rates in the district, county, and state. In 2007, 72% passed the CAHSEE in English at Sierra Sunset High School compared to 70% in the district, 70% in the county, and 77% in the state. Student performance in writing, reading, and forms of literary analysis are presented below (at right).

In Mathematics, 76% passed the CAHSEE in 2007, compared to 75% in the district, 69% in the county, and 76% in the state. Performance on those Mathematics subtests is displayed at right for tenth grade students.



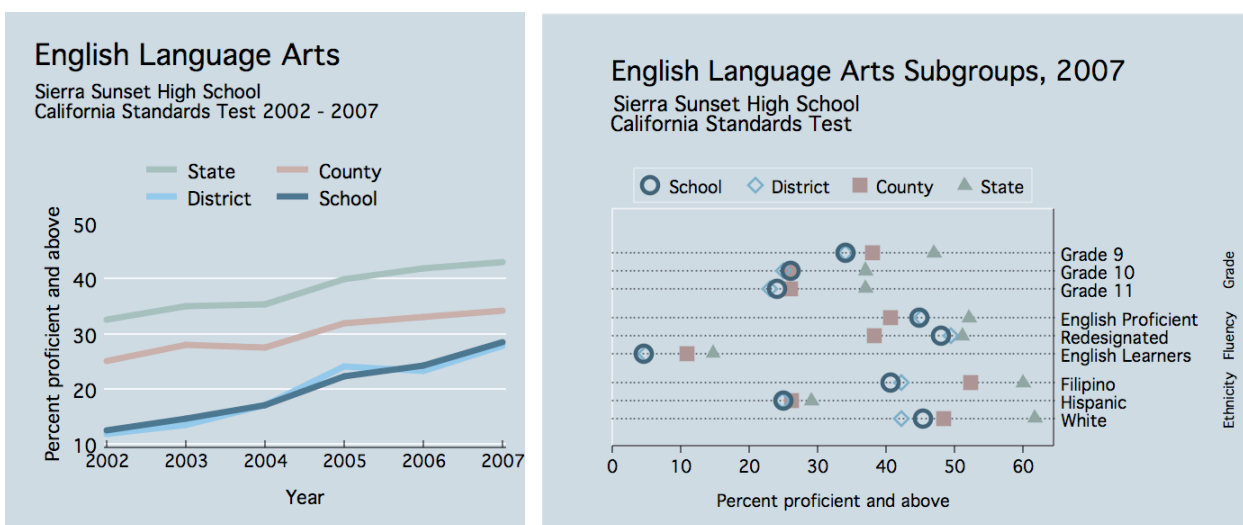
## California Standards Test (CST)

Performance on the California Standards Test (CST) is an integral part of the Academic Performance Index and of the Annual Measurable Objectives for elementary and middle schools. In the spring of 2007, Sierra Sunset High School tested students in English-Language Arts, Mathematics, Science, and Social Science. For each course in which Sierra Sunset High School students were tested, we present in the graphs below the change in performance since 2002 and the results for three subgroups in 2007. Subgroups include grade levels, language proficiency, and ethnicity. Where more than twenty students were tested in the subgroup, their results are displayed in the subgroup graph.

### English-Language Arts

Student performance on the English-Language Arts test has improved since it was first administered in 2002. In 2002, 12.4% of students scored at the level of proficient or higher, while in 2007 28.6% of students scored proficient or above. In 2007, 43% of students across the state scored proficient or better compared to 34.2% in the county and 27.9% in the district.

Among subgroups displayed in the figure below (right), students in Sierra Sunset High School tended to perform below students statewide. Most notable is the performance of Filipino students, who performed below Filipino students across California.



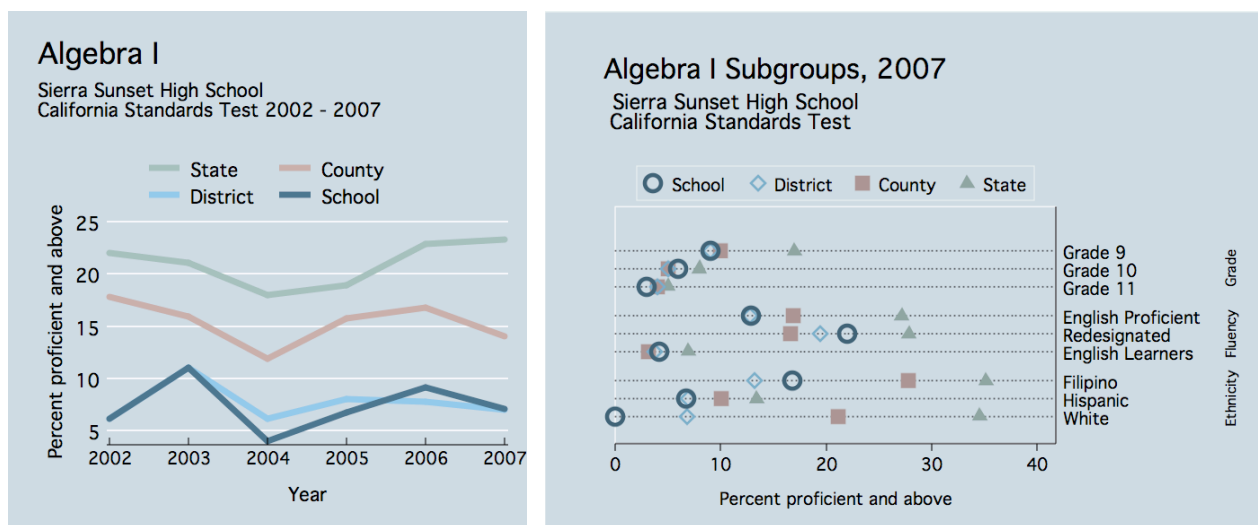
## Mathematics

<Mathematics graph about here: Percent tested in various Math subjects.>

### Algebra I

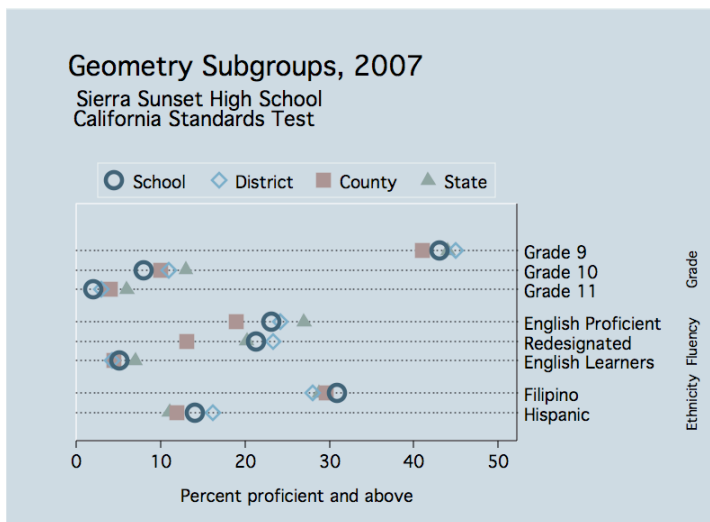
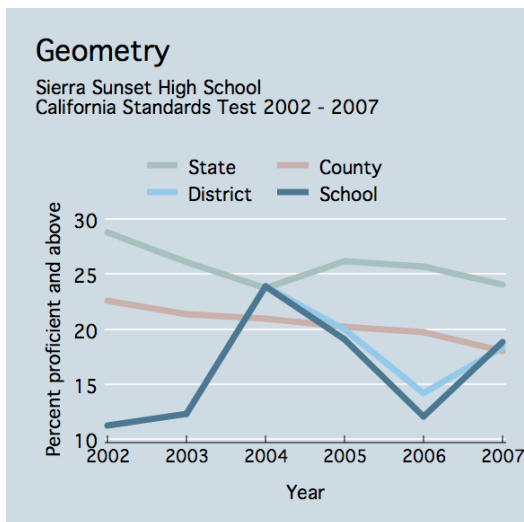
Student performance on the Algebra I test has remained largely the same since it was first administered in 2002. In 2002, 6.1% of students scored at the level of proficient or higher, while in 2007 7.1% of students scored proficient or above. In 2007, 23.3% of students across the state scored proficient or better, compared to 14% in the county and 7% in the district.

Among subgroups displayed in the figure below (right), students in Sierra Sunset High School tended to perform below students statewide. Most notable is the performance of White students who performed below White students in the state as a whole.



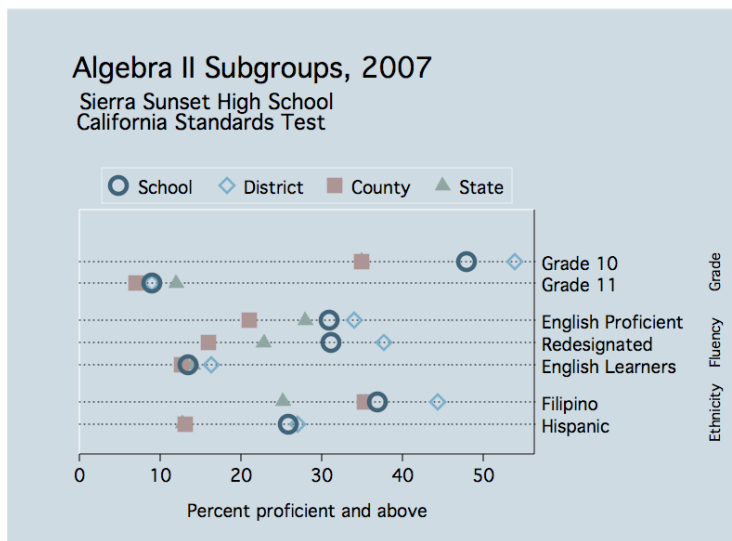
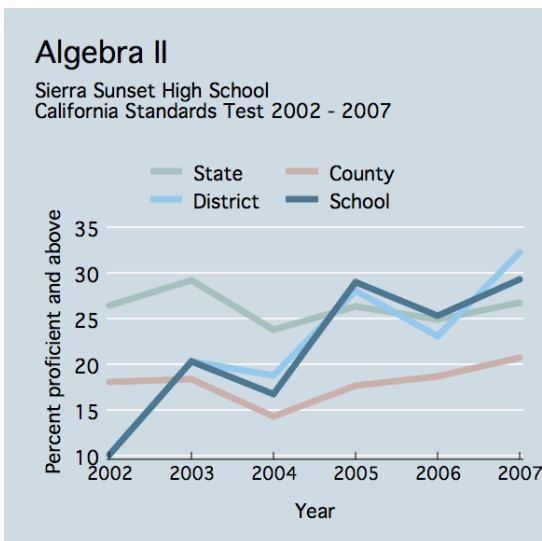
## Geometry

Student performance on the Geometry test has improved since it was first administered in 2002. In 2002, 11.3% of students scored at the level of proficient or higher, while in 2007 18.8% of students scored proficient or above. In 2007, 24.1% of students across the state scored proficient or better, compared to 18% in the county and 18.4% in the district. Among subgroups displayed in the figure below (right), students in Sierra Sunset High School performed about the same as students across California.



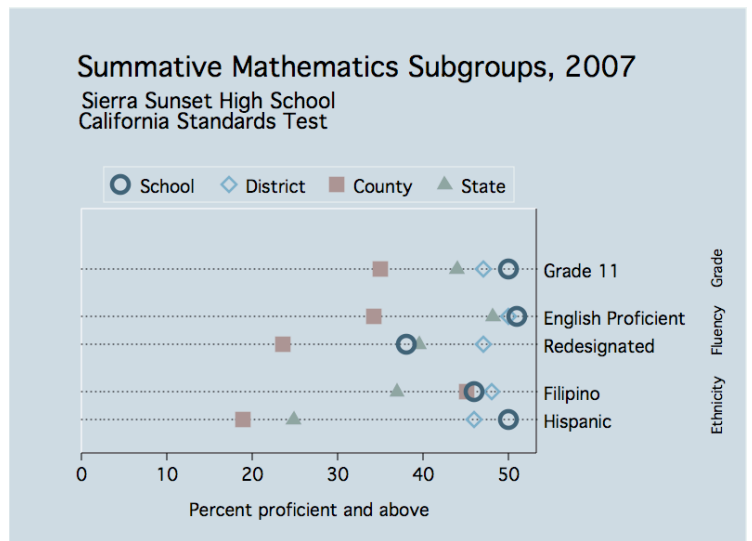
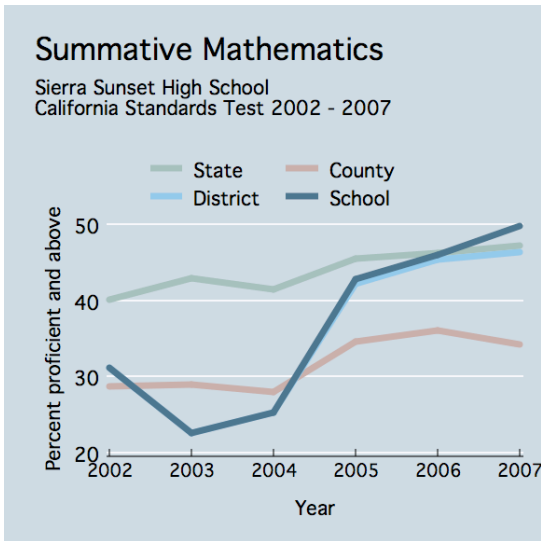
## Algebra II

Student performance on the Algebra II test has improved since it was first administered in 2002. In 2002, 10.1% of students scored at the level of proficient or higher, while in 2007 29.3% of students scored proficient or above. In 2007, 26.8% of students across the state scored proficient or better, compared to 20.8% in the county and 32.3% in the district. Among subgroups displayed in the figure below (right), students in Sierra Sunset High School performed better than students across the state taking the same test. Most notable is the performance of students in grade 10 who far outperformed 10<sup>th</sup> grade students in the state and county.



### Summative Mathematics

Student performance on the Summative Mathematics test has improved since it was first administered in 2002. In 2002, 31.2% of students scored at the level of proficient or higher, while in 2007 49.7% of students scored proficient or above. In 2007, 47.1% of students across the state scored proficient or better, compared to 34.2% in the county and 46.3% in the district. Among subgroups displayed in the figure below (right), students in Sierra Sunset High School tended to outperform students statewide. Most notable is the performance of Hispanic students, who far outperformed Hispanic students across California.

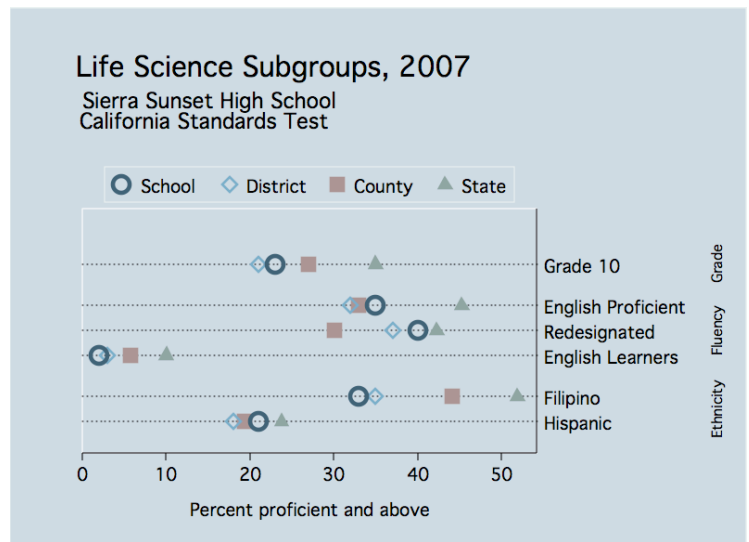
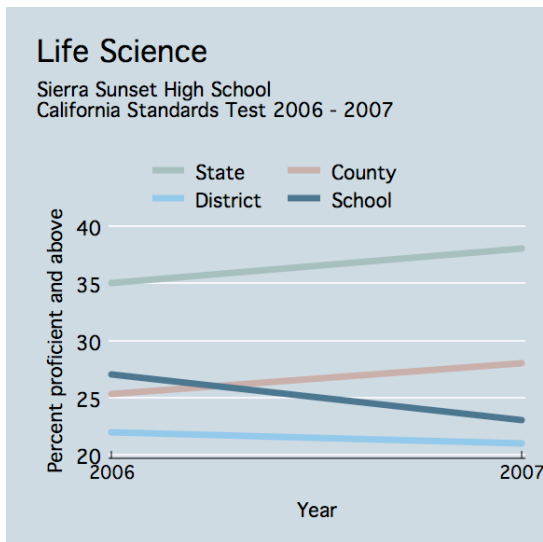


## Science

<Science graph about here: Percent tested in various Science subjects.>

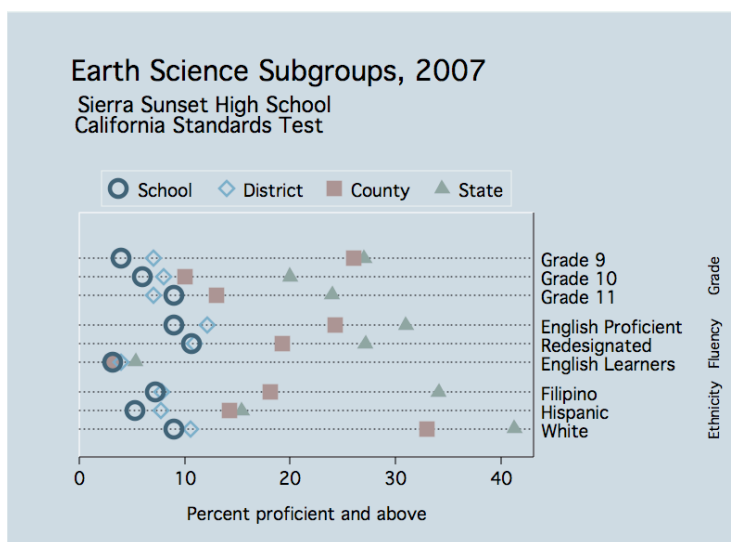
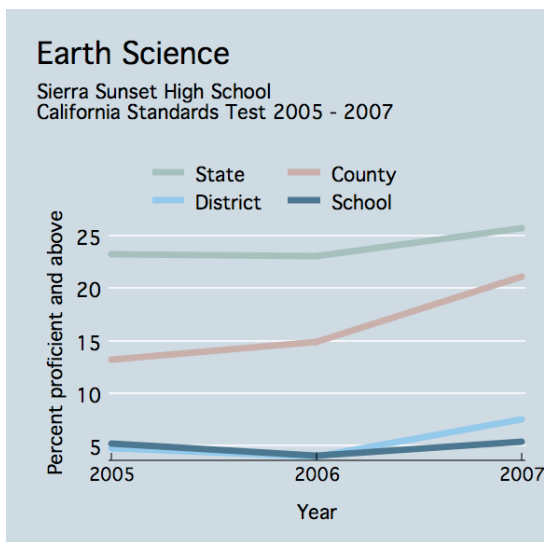
### Life Science

Student performance on the Life Science test has remained largely the same since it was first administered in 2006. In 2006, 27% of students scored at the level of proficient or higher, while in 2007 23% of students scored proficient or above. In 2007, 38% of students across the state scored proficient or better, compared to 28% in the county and 21% in the district. Among subgroups displayed in the figure below (right), students in Sierra Sunset High School tended to perform below students statewide. Most notable is the performance of Filipino students, who performed below Filipino students throughout California.



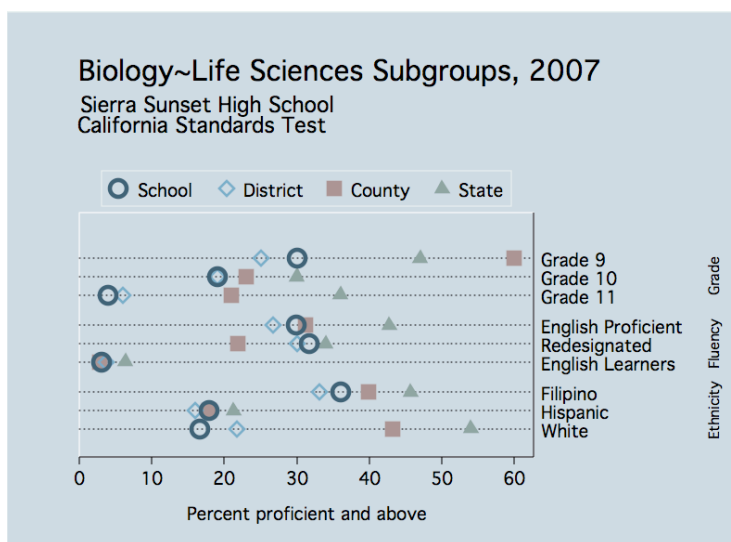
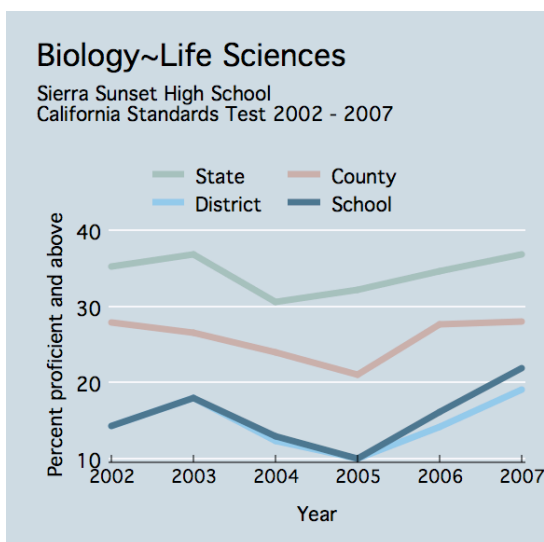
## Earth Science

Student performance on the Earth Science test has remained largely the same since it was first administered in 2005. In 2005, 5.2% of students scored at the level of proficient or higher, while in 2007 5.4% of students scored proficient or above. In 2007, 25.7% of students across the state scored proficient or better, compared to 21.1% in the county and 7.5% in the district. Among subgroups displayed in the figure below (right), students in Sierra Sunset High School performed below students statewide. Most notable is the performance of White students taking the test, who scored well below White students across the state.



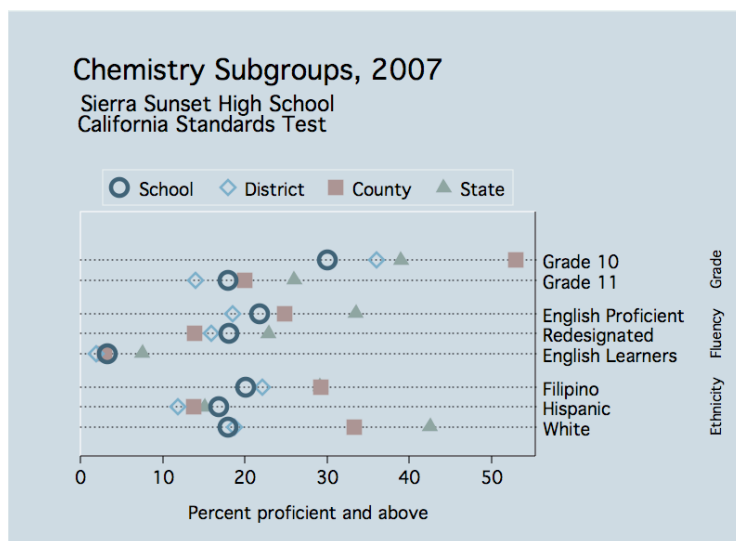
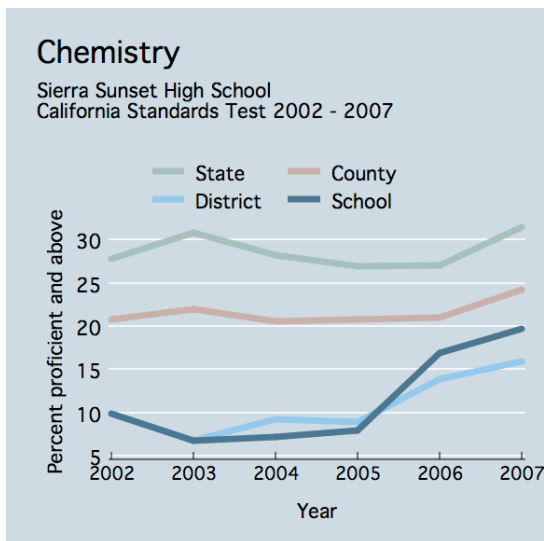
## Biology

Student performance on the Biology test has improved since it was first administered in 2002. In 2002, 14.3% of students scored at the level of proficient or higher, while in 2007 21.9% of students scored proficient or above. In 2007, 36.8% of students across the state scored proficient or better, compared to 28% in the county and 19.1% in the district. Among subgroups displayed in the figure below (right), students in Sierra Sunset High School tended to perform below students statewide. Most notable is the performance of White students taking the test, who scored well below White students across the state.



## Chemistry

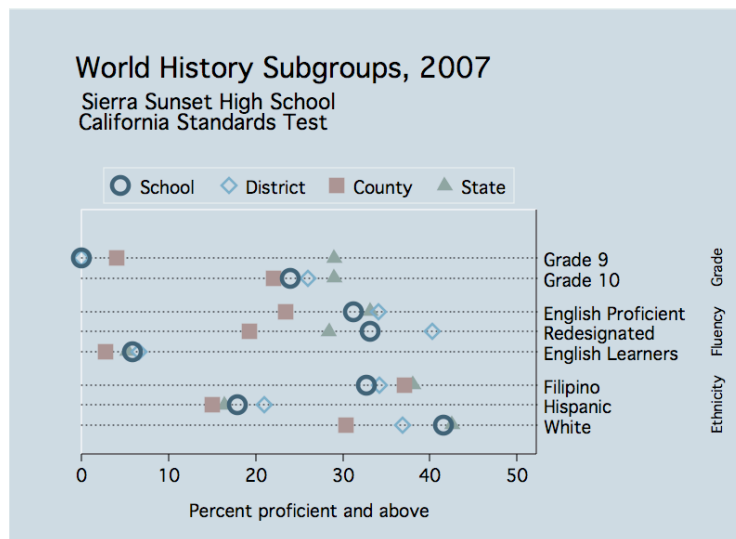
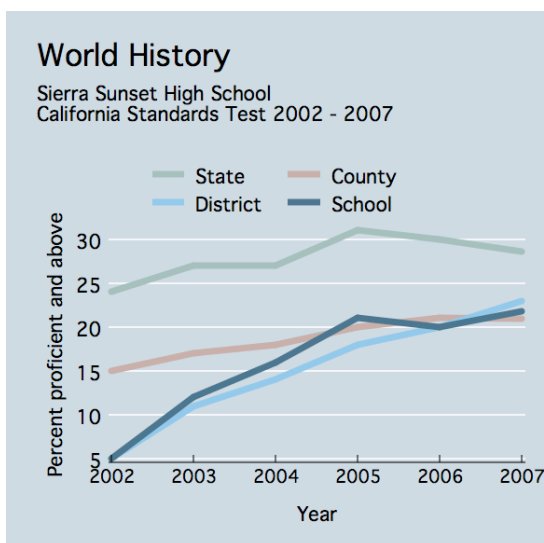
Student performance on the Chemistry test has improved since it was first administered in 2002. In 2002, 9.9% of students scored at the level of proficient or higher, while in 2007 19.7% of students scored proficient or above. In 2007, 31.4% of students across the state scored proficient or better, compared to 24.2% in the county and 15.9% in the district. Among subgroups displayed in the figure below (right), students in Sierra Sunset High School tended to perform below students statewide.



## Social Science

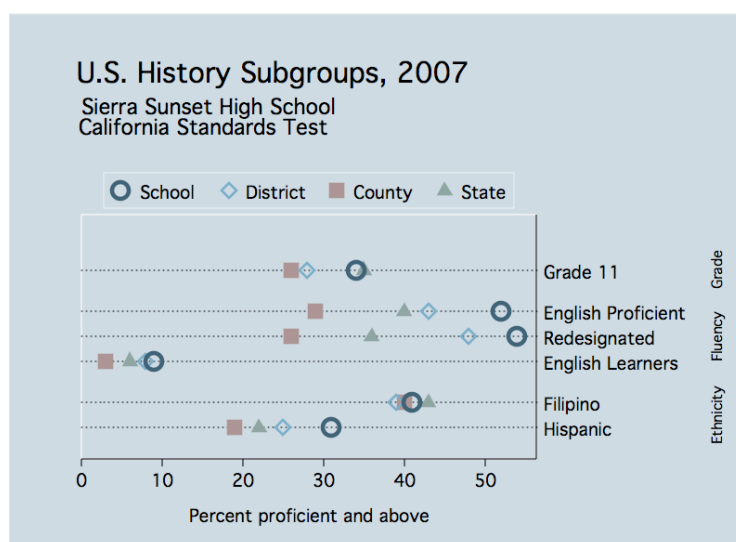
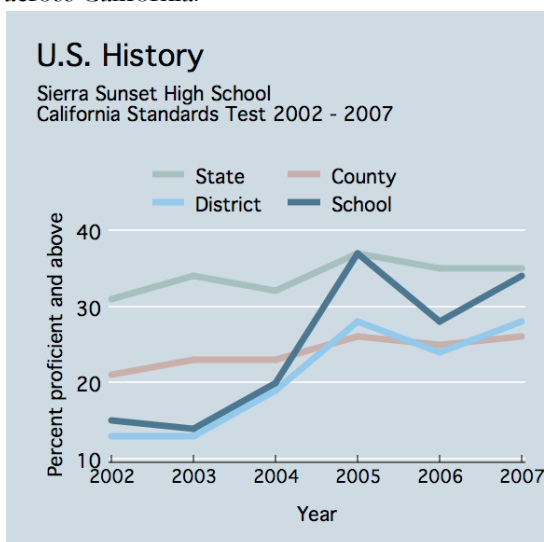
### World History

Student performance on the World History test has improved since it was first administered in 2002. In 2002, 5% of students scored at the level of proficient or higher, while in 2007 21.7% of students scored proficient or above. In 2007, 28.6% of students across the state scored proficient or better compared to 21% in the county and 23% in the district. Among subgroups displayed in the figure below (right), students in Sierra Sunset High School tended to perform similarly to students in the state. Most notable is the performance of grade 9 students, who perform below 9<sup>th</sup> graders statewide.



### United States History

Student performance on the United States History test has improved since it was first administered in 2002. In 2002, 15% of students scored at the level of proficient or higher, while in 2007 34% of students scored proficient or above. In 2007, 35% of students across the state scored proficient or better, compared to 26% in the county and 28% in the district. Among subgroups displayed in the figure below (right), students in Sierra Sunset High School tended to perform above students statewide. Most notable is the performance of Redesignated English Learners, who performed above Redesignated students across California.

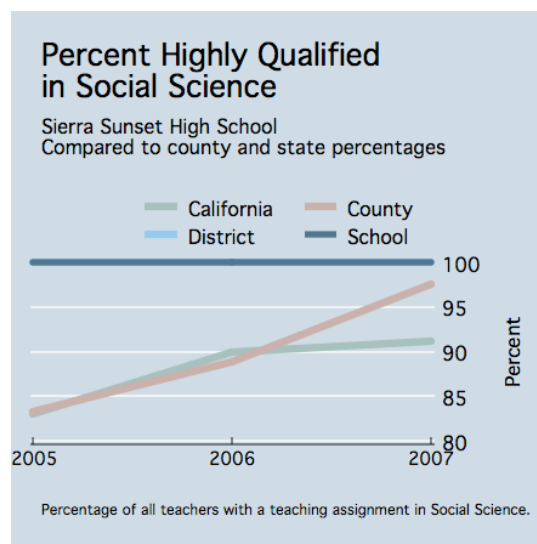
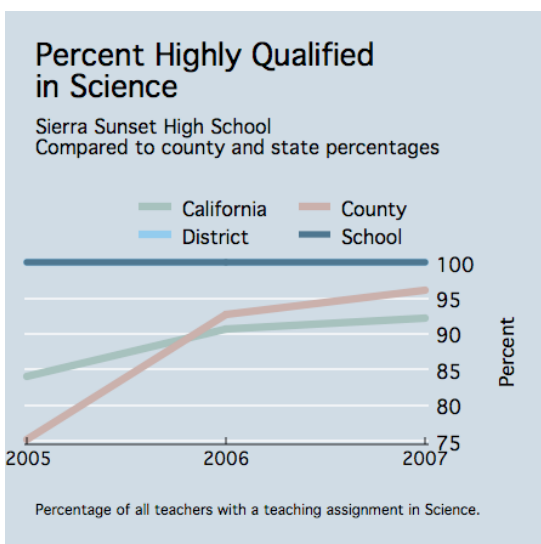
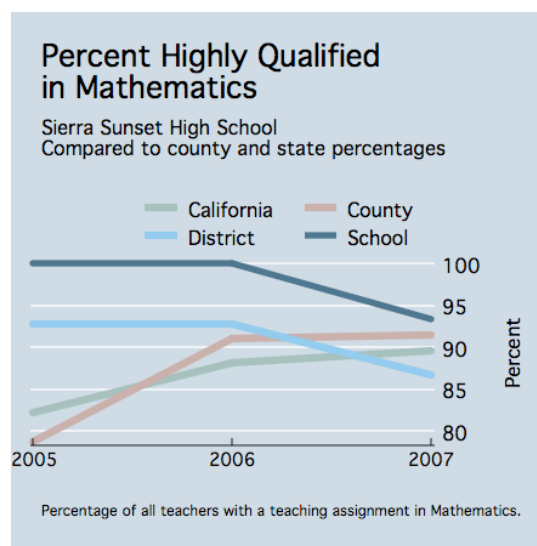
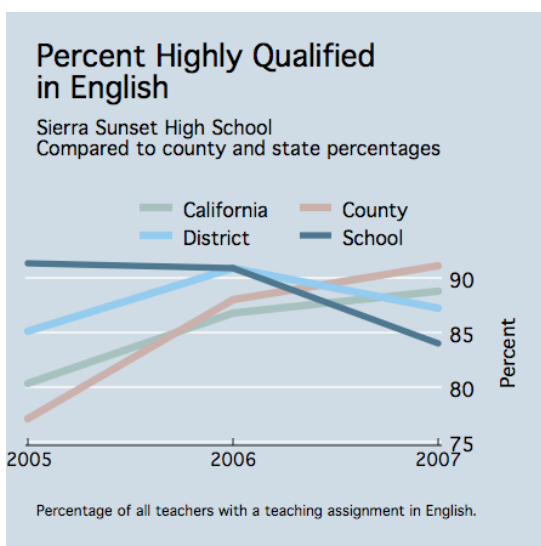


## School Staffing

### Highly Qualified

Under federal law, 100% of the teachers in academic core assignments are to be highly qualified, in accordance with No Child Left Behind. During the 2006-07 school year, 98% of Sierra Sunset High School staff were highly qualified in core areas of instruction. The school's staff compliance by subject area is at right. To track change in the percentage of highly qualified teachers, note changes by subject area in the figures below.

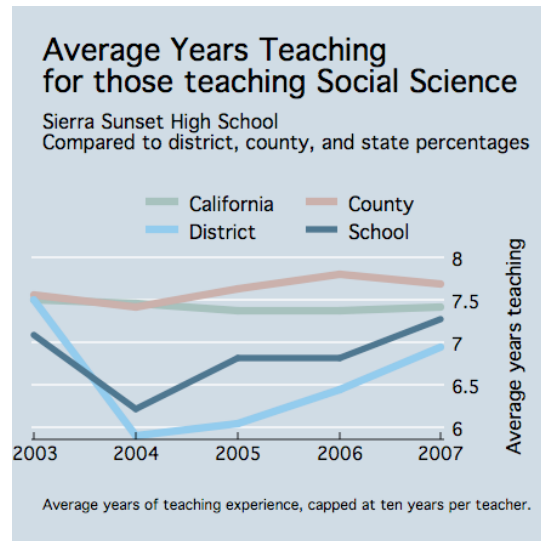
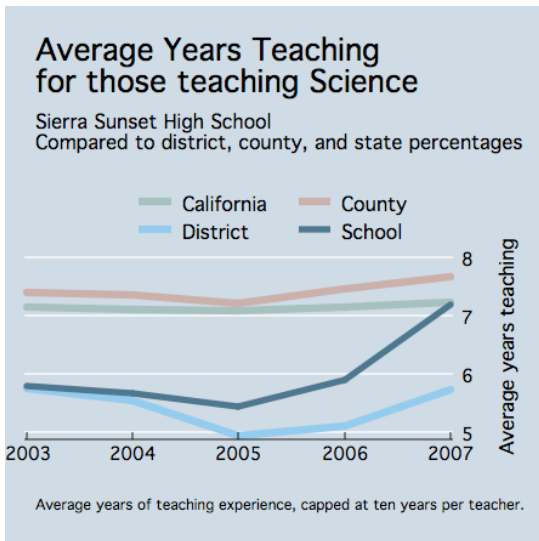
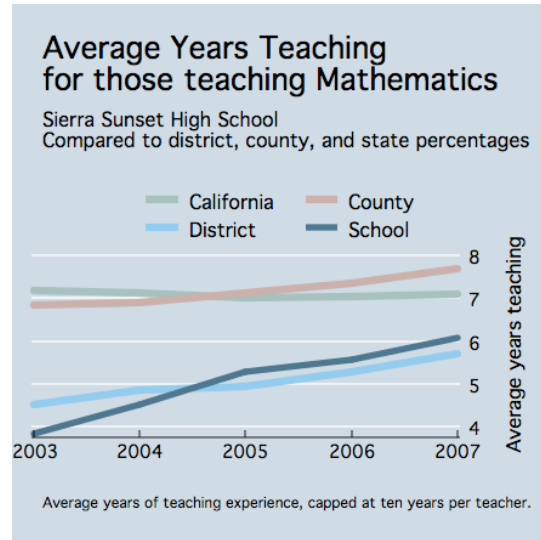
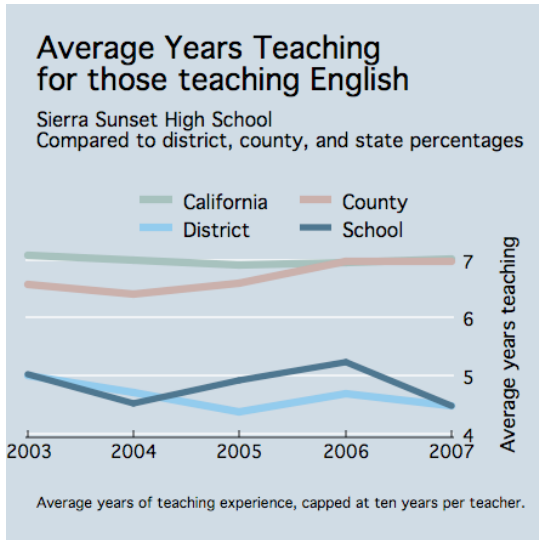
Highly Qualified 2007-08	
<b>Overall</b>	<b>95%</b>
<b>English</b>	<b>84%</b>
<b>Math</b>	<b>93%</b>
<b>Science</b>	<b>100%</b>
<b>Social Science</b>	<b>100%</b>



## Teaching Experience

A key aim of many improving schools is to increase the overall teaching experience of their staff. Some schools have teacher experience levels below the levels in the district as a whole. Comparing school to district levels is often useful. However, we also plot teaching experience levels by county and state in the figures below.

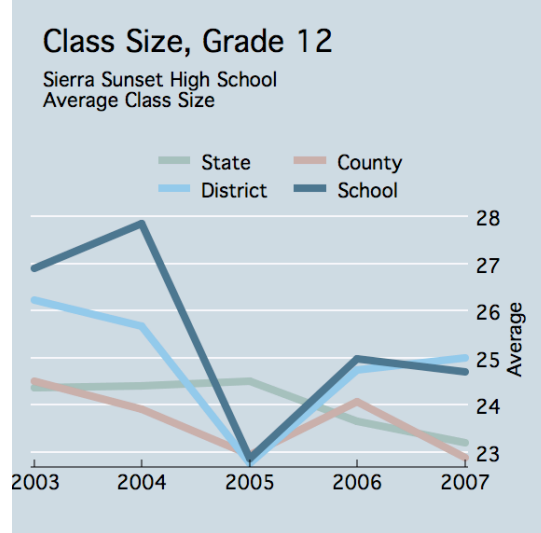
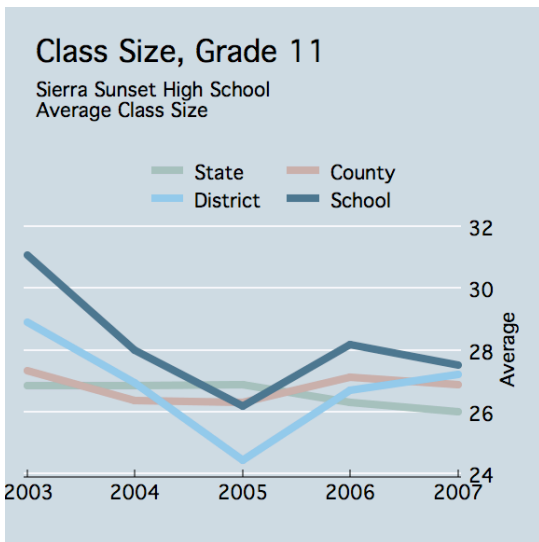
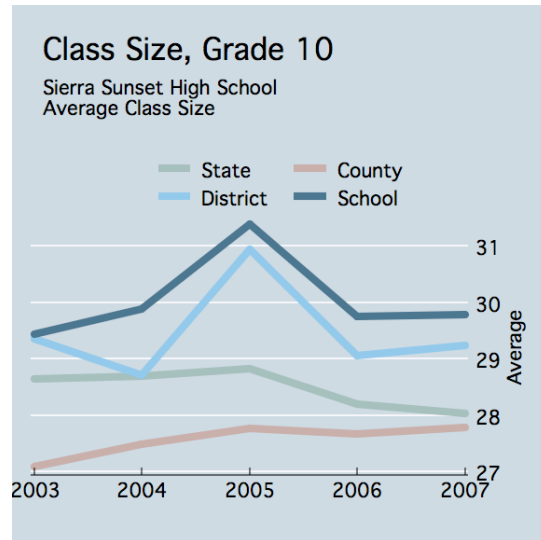
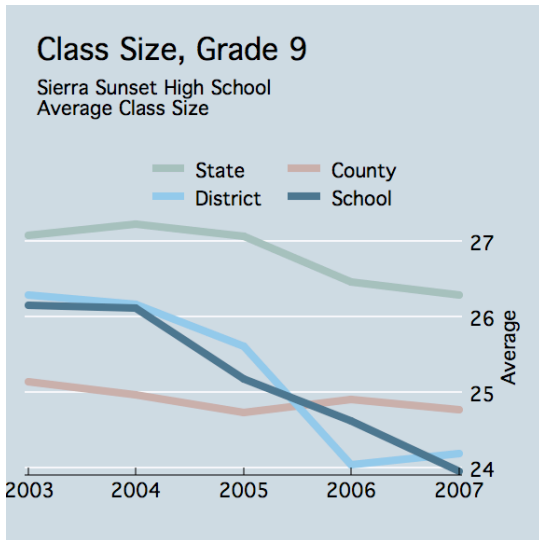
Teacher Experience 2007-08	
<b>Target</b>	<b>7.2</b>
<b>School average</b>	<b>6.3</b>



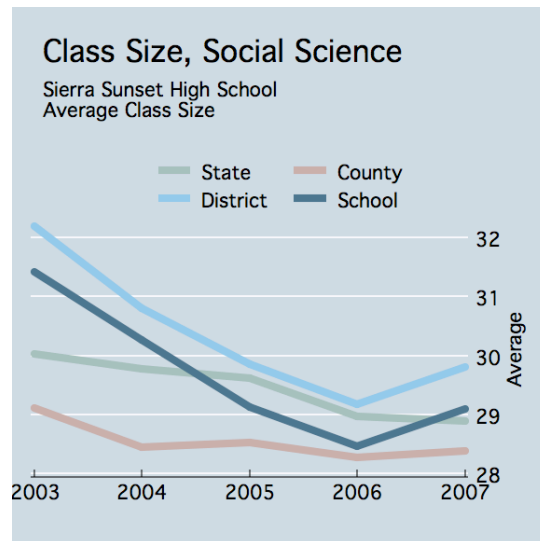
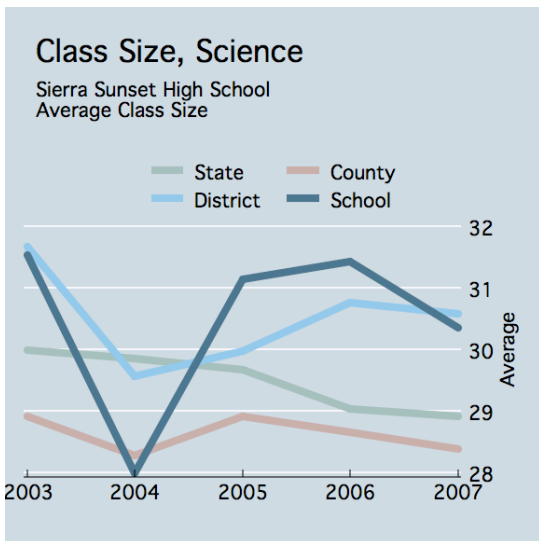
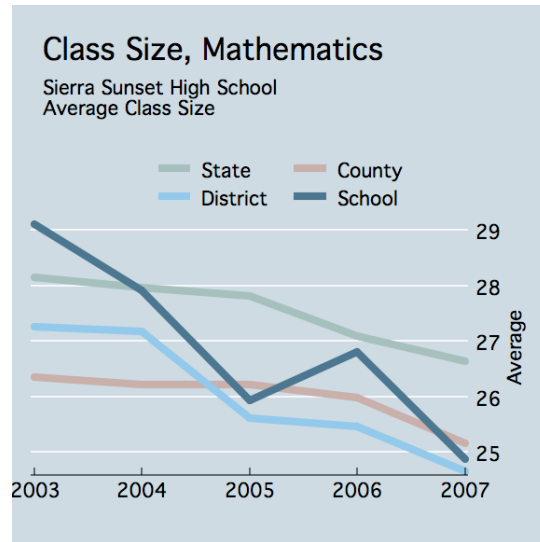
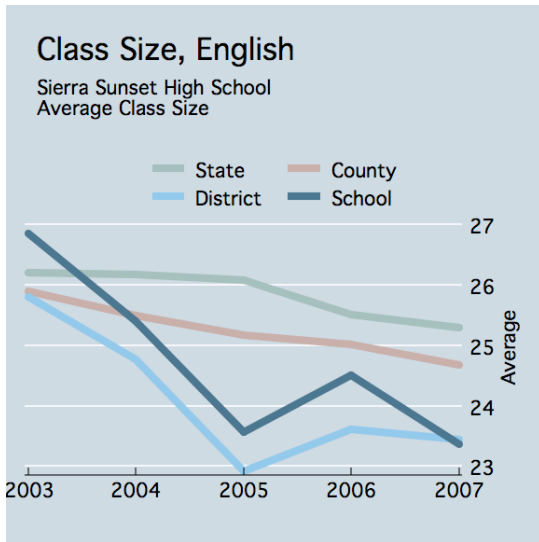
### Class size

In an effort to increase direct instruction time between students and teachers, schools reduce class sizes as part of their reform program. At Sierra Sunset High School, the average class size in the ninth grade is 19.6. It is 24.8 in the 10<sup>th</sup> grade, 23.2 in the 11<sup>th</sup> grade, and 17.9 in the 12<sup>th</sup> grade. We plot change in school class size against change at the district, county, and state levels below.

Class Size Target	
<b>Schoolwide target</b>	<b>21.6</b>
<b>Ninth grade</b>	<b>19.6</b>
<b>Tenth grade</b>	<b>24.8</b>
<b>Eleventh grade</b>	<b>23.2</b>
<b>Twelfth grade</b>	<b>17.9</b>



In reducing class size, high school reform teams often find it more instructive to examine class size by subject area rather than by grade level. We present class size by subject area below since 2003, as a source of additional information for school reform teams. These calculations include Advanced Placement classes.



### Student-to-Counselor Ratio

We present the student-to-counselor ratio for Sierra Sunset High School in the figure below. In 2006-07, there was one counselor for every 398 students, down from 661 in 2003. The district median ratio in 2006-07 was 398, compared to 428 in the county and 401 in the state.

Student-to-Counselor Ratio 2007-08	
<b>Target</b>	<b>300: 1</b>
<b>School ratio</b>	<b>398: 1</b>

