



State of Education

Closing the (Global) Achievement Gap in California

2009

CALIFORNIA DEPARTMENT OF EDUCATION
Jack O'Connell, State Superintendent of Public Instruction

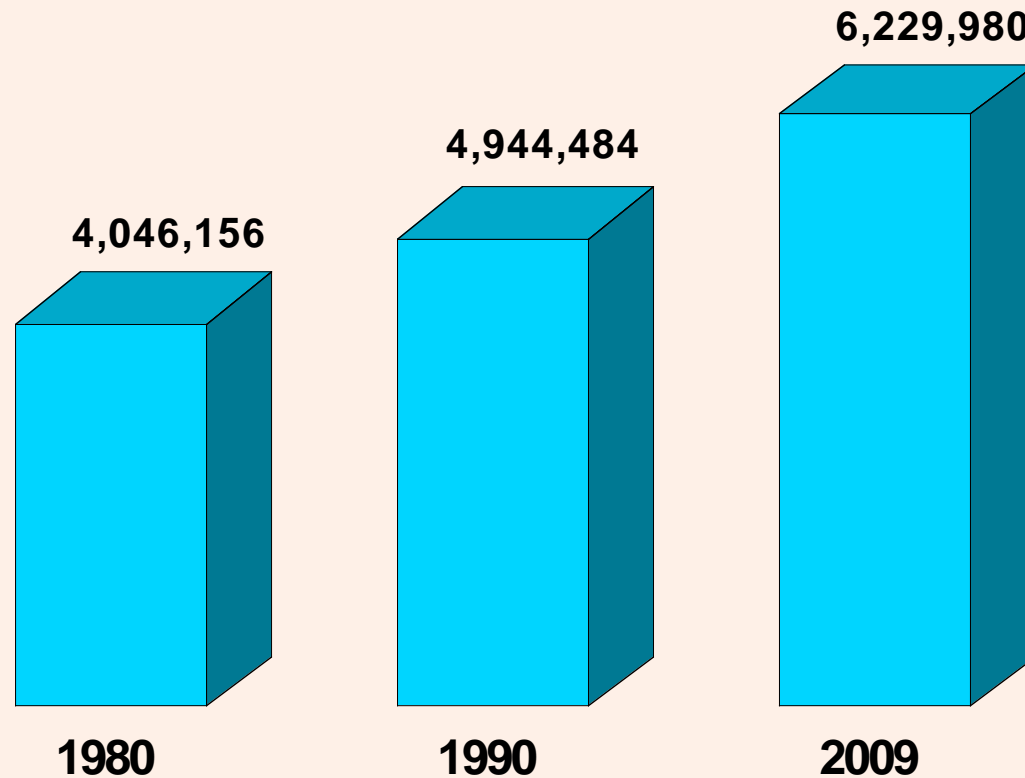


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Who Are Our Students?

A Historical Perspective

California Students Enrolled in Public Schools

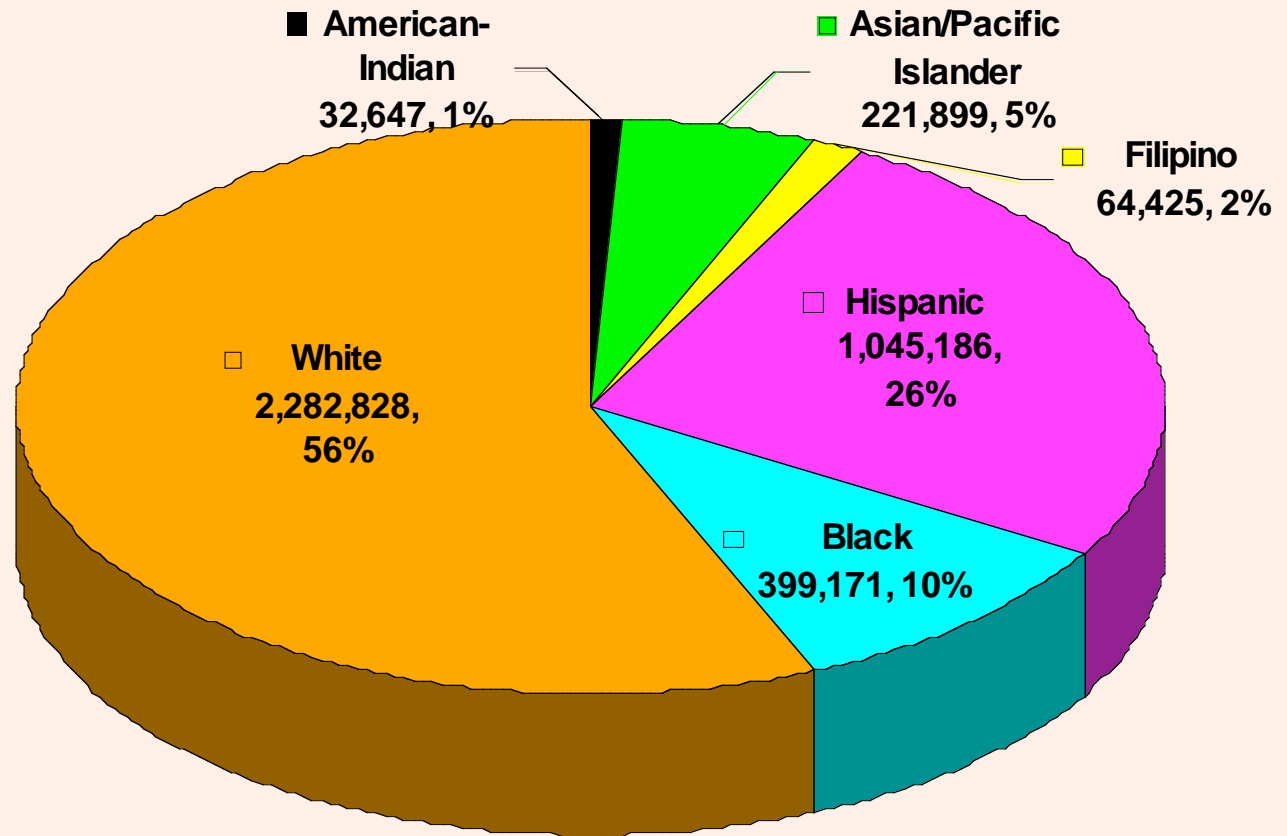


California is Educating **2.2 Million More Students, a 54% Increase in 29 Years**



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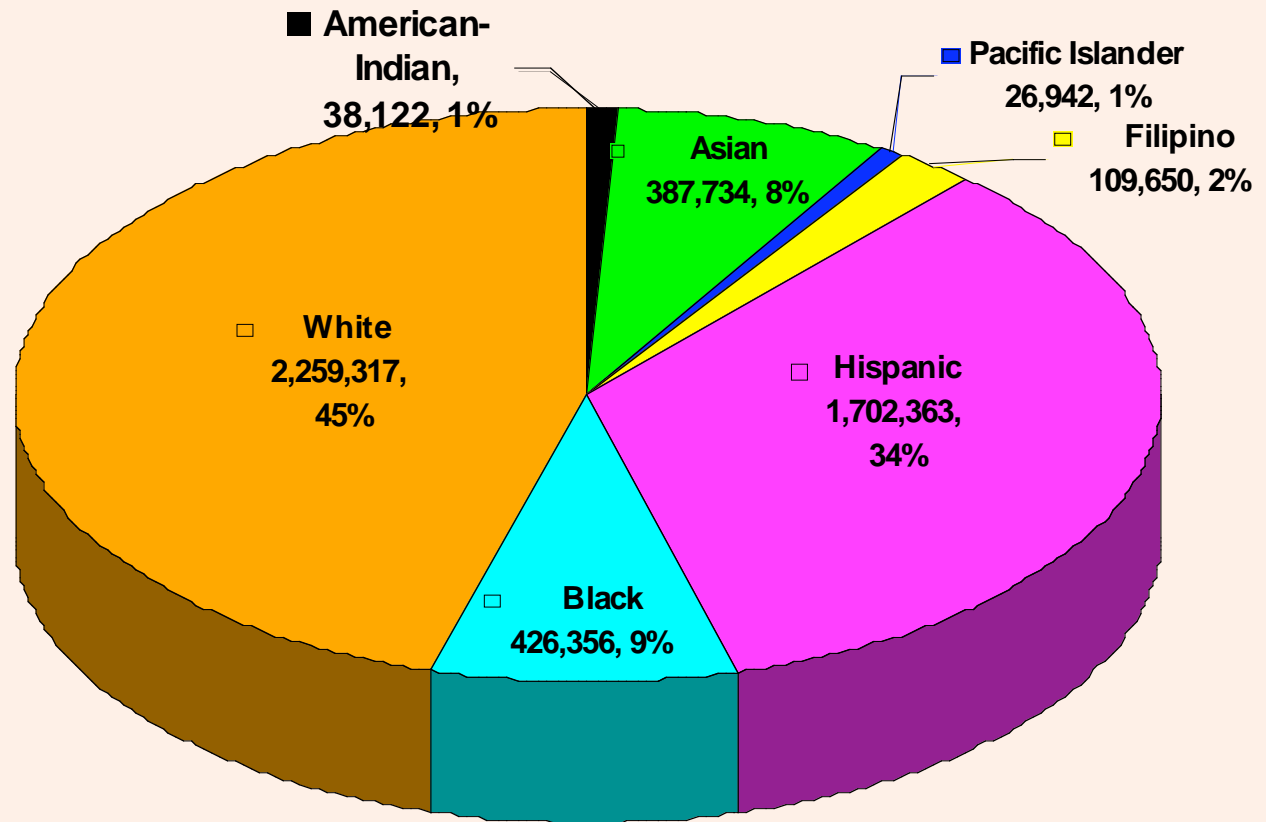
Total K-12 Enrollment for 1980-81: 4,046,156





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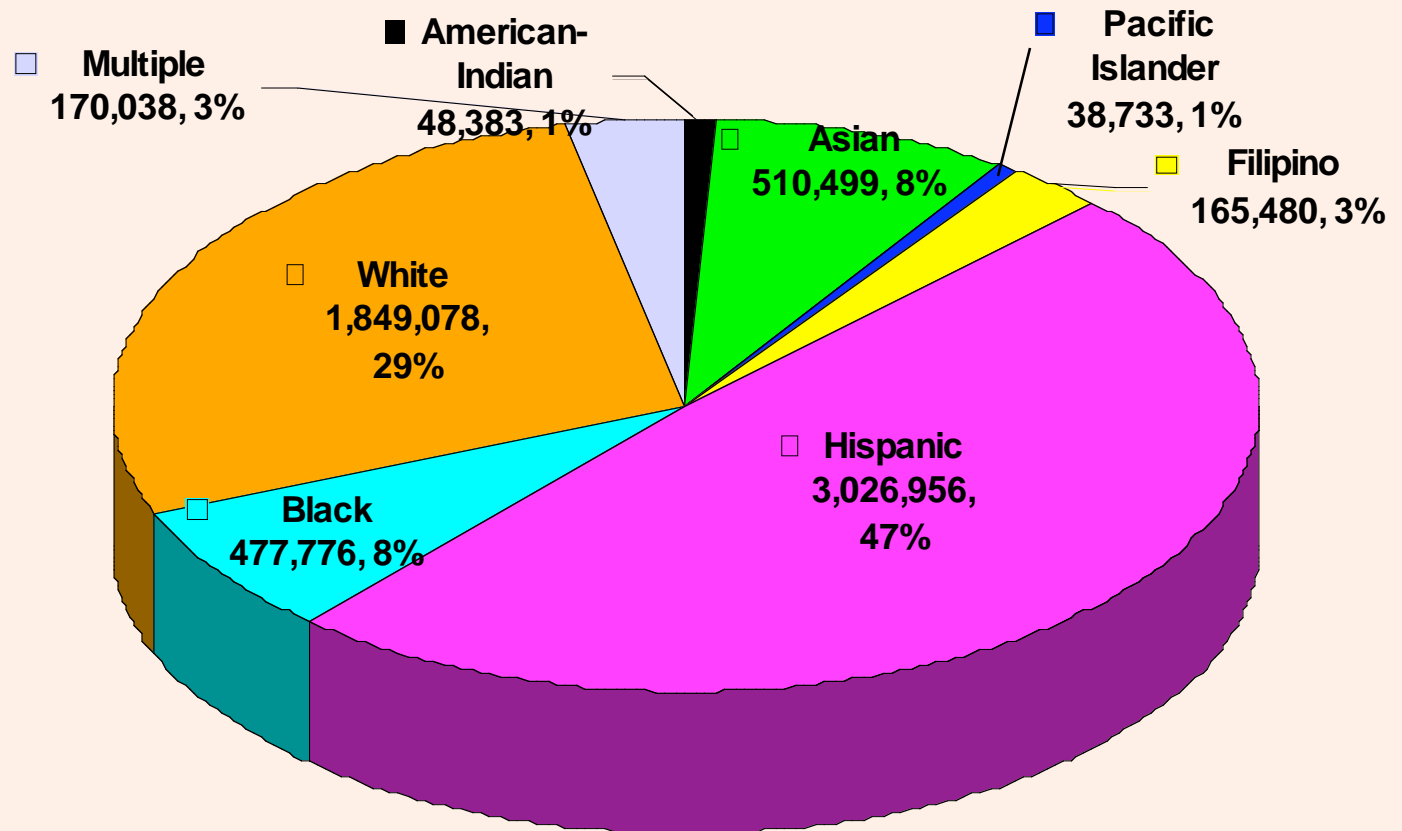
Total K-12 Enrollment for 1990-91: 4,944,484





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Total K-12 Enrollment for 2008-09: 6,229,980

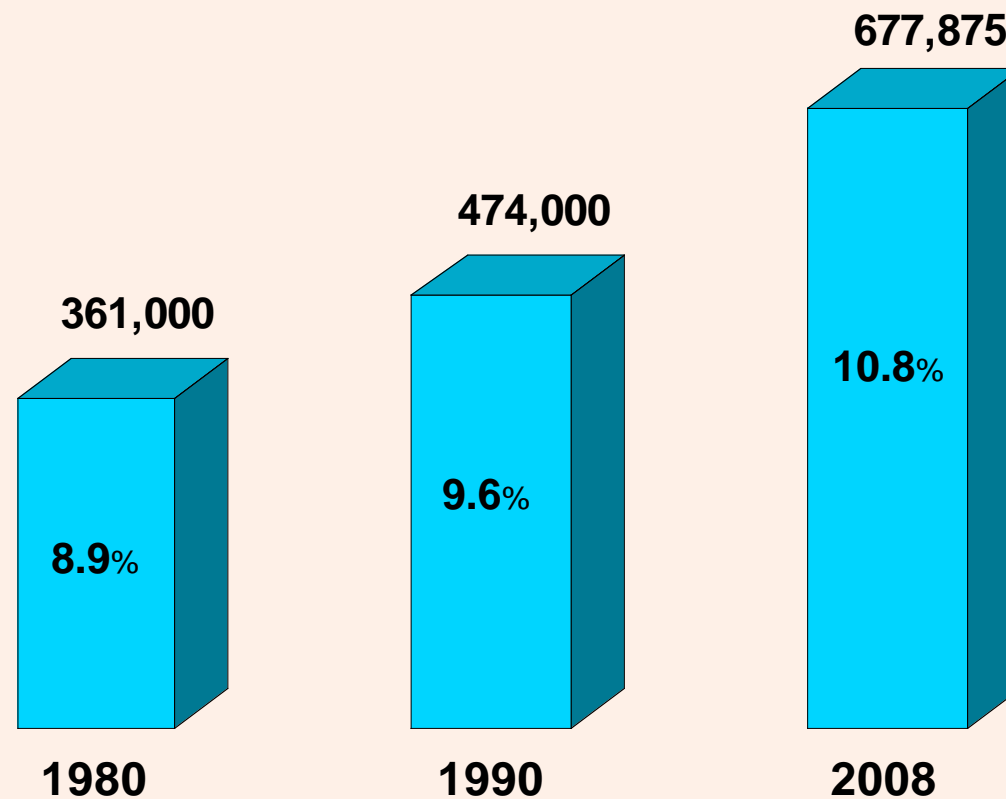




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Different Challenges, Different Needs

Special Education



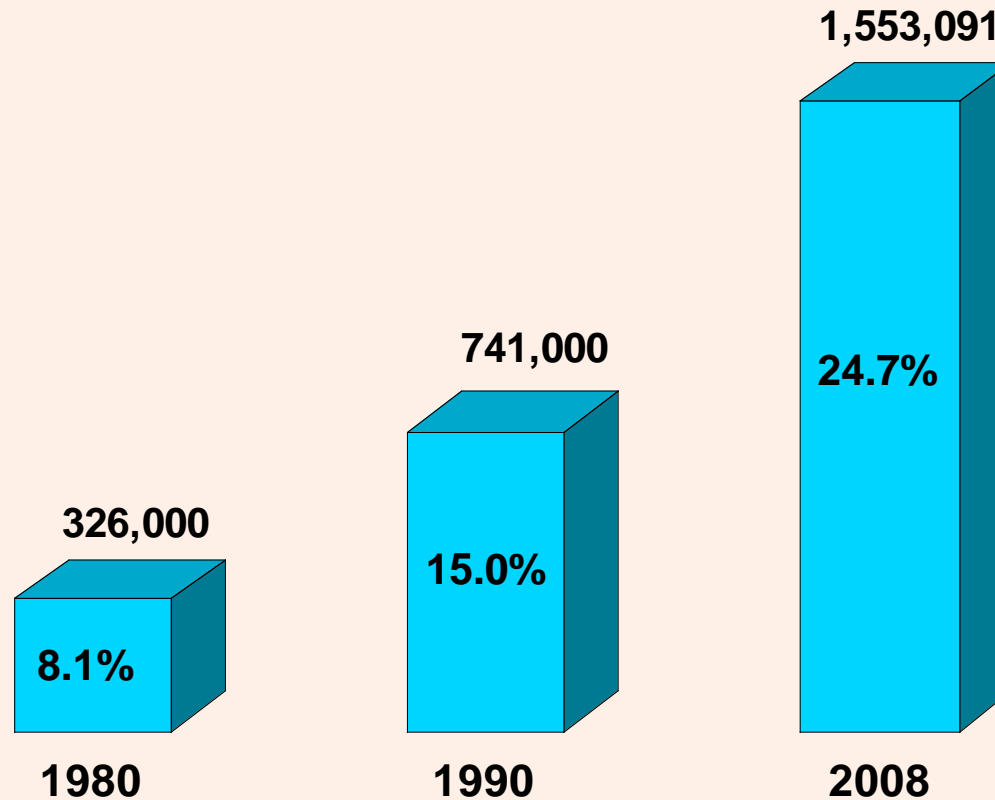
That's an **87.8%** increase in **28 years**



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Different Challenges, Different Languages

English Language Learners



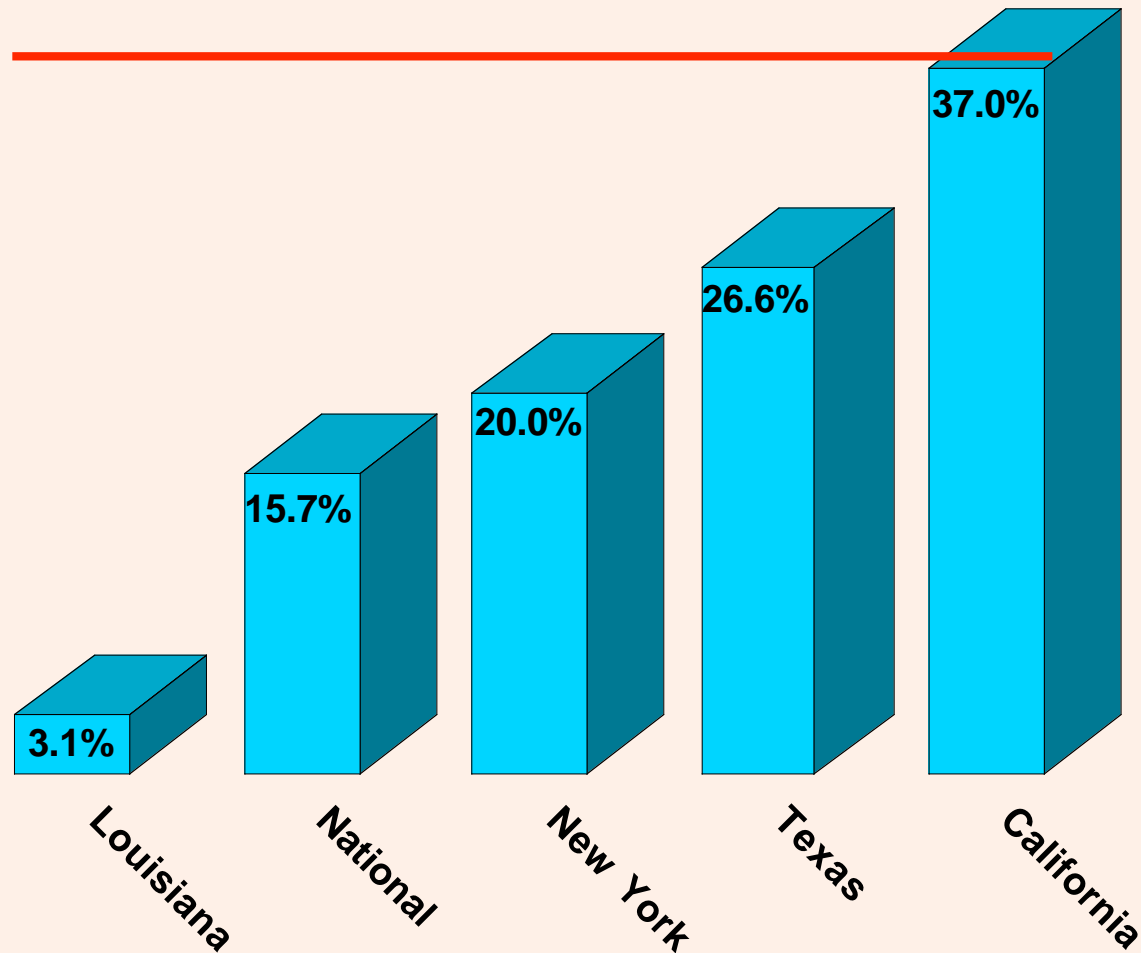
That's a **376%** increase in **28 years**



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Linguistic Integration

Percent of Children Whose Parents Are Not Fluent English Speakers

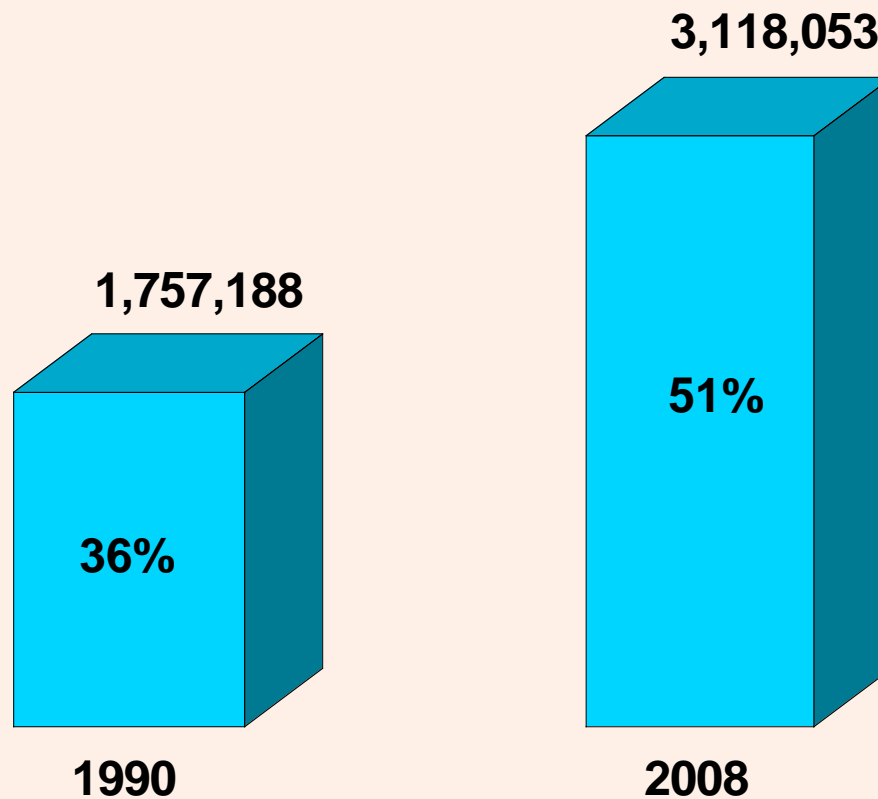




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Different Challenges, Different Needs

Students Eligible for Free and Reduced-Priced Meals



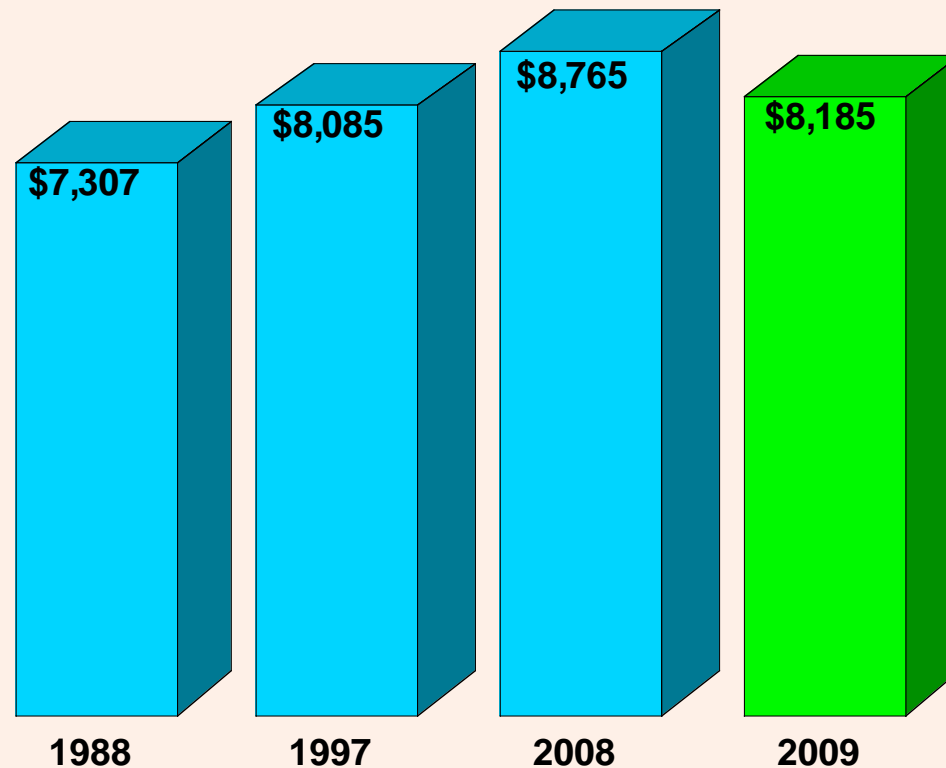
That's a **78%** increase in 18 years



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Different Challenges, Different Needs

Per Pupil Spending Adjusted for Inflation

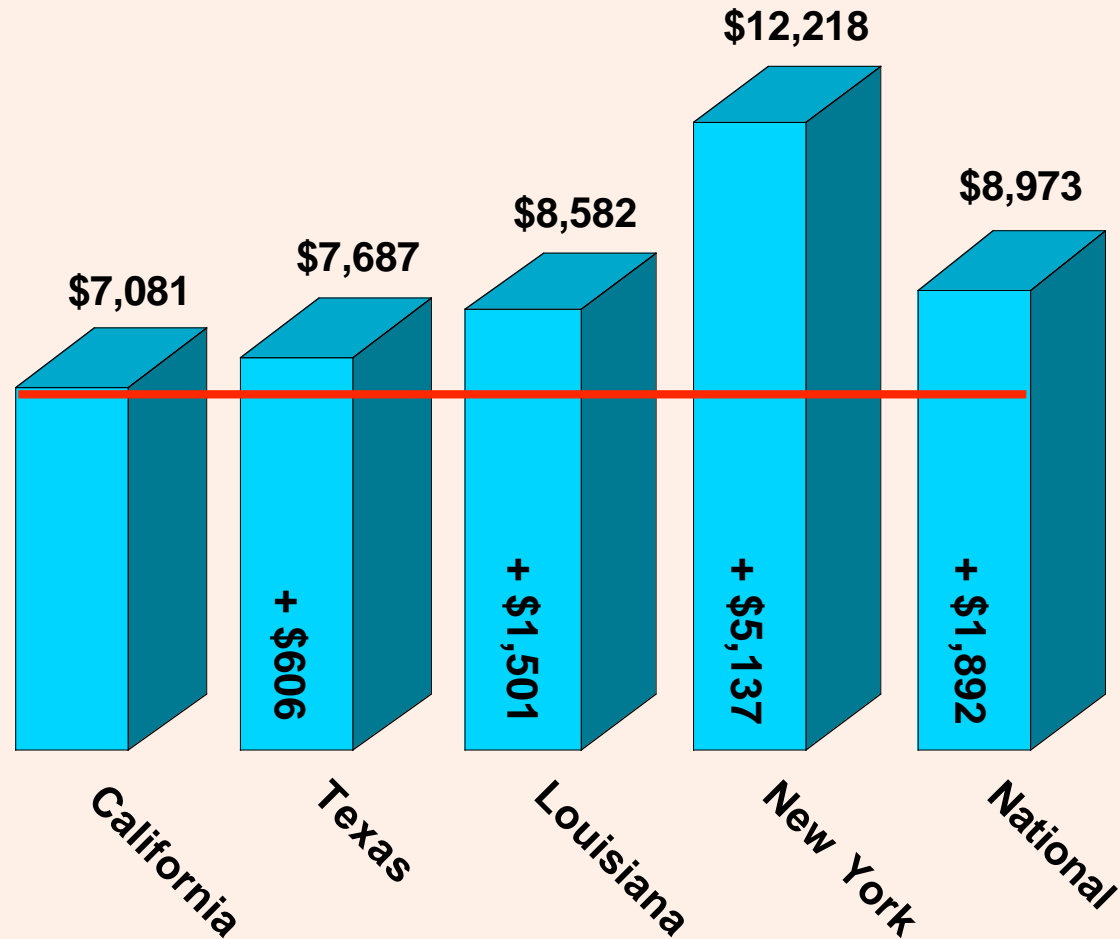


That's just a **12% increase in 21 years**



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California's National Per Pupil Funding Comparison





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Yet...

“There are significant signs of progress in California’s schools, in spite of the tremendous challenges they face.”

-- Jennifer Imazeki
Professor of Economics
San Diego State University
2008 PACE Policy Brief



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California's 10-Year-Road to High Standards, Assessments, Accountability

World class standards for every subject,
grade:

- Testing, teacher professional development, accountability linked to standards
- Highlights achievement gap, uses data to drive decisions, focus resources

Keys to successful reform:

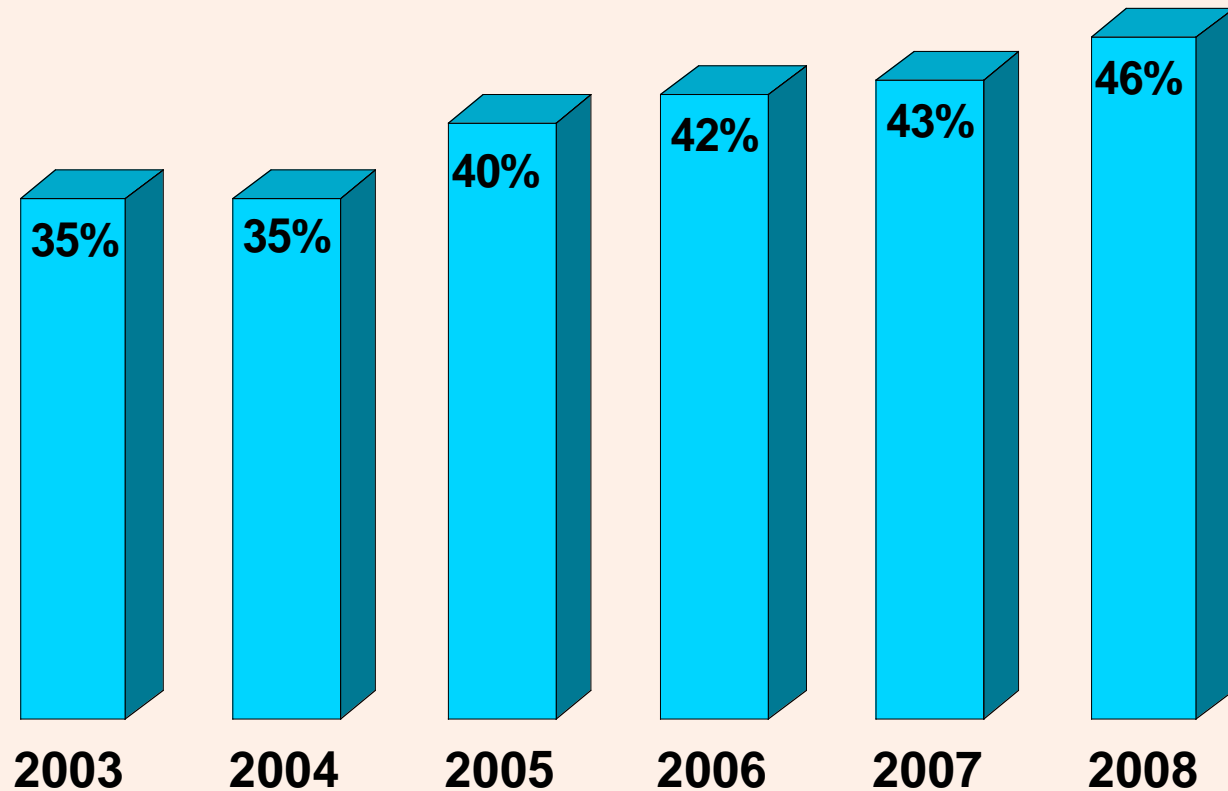
- Hold all students to same high standards
- Measure progress
- Target resources
- Support teachers



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English Language Arts

Percentage of Students Scoring At or Above Proficient



That's a 31% increase in 6 years

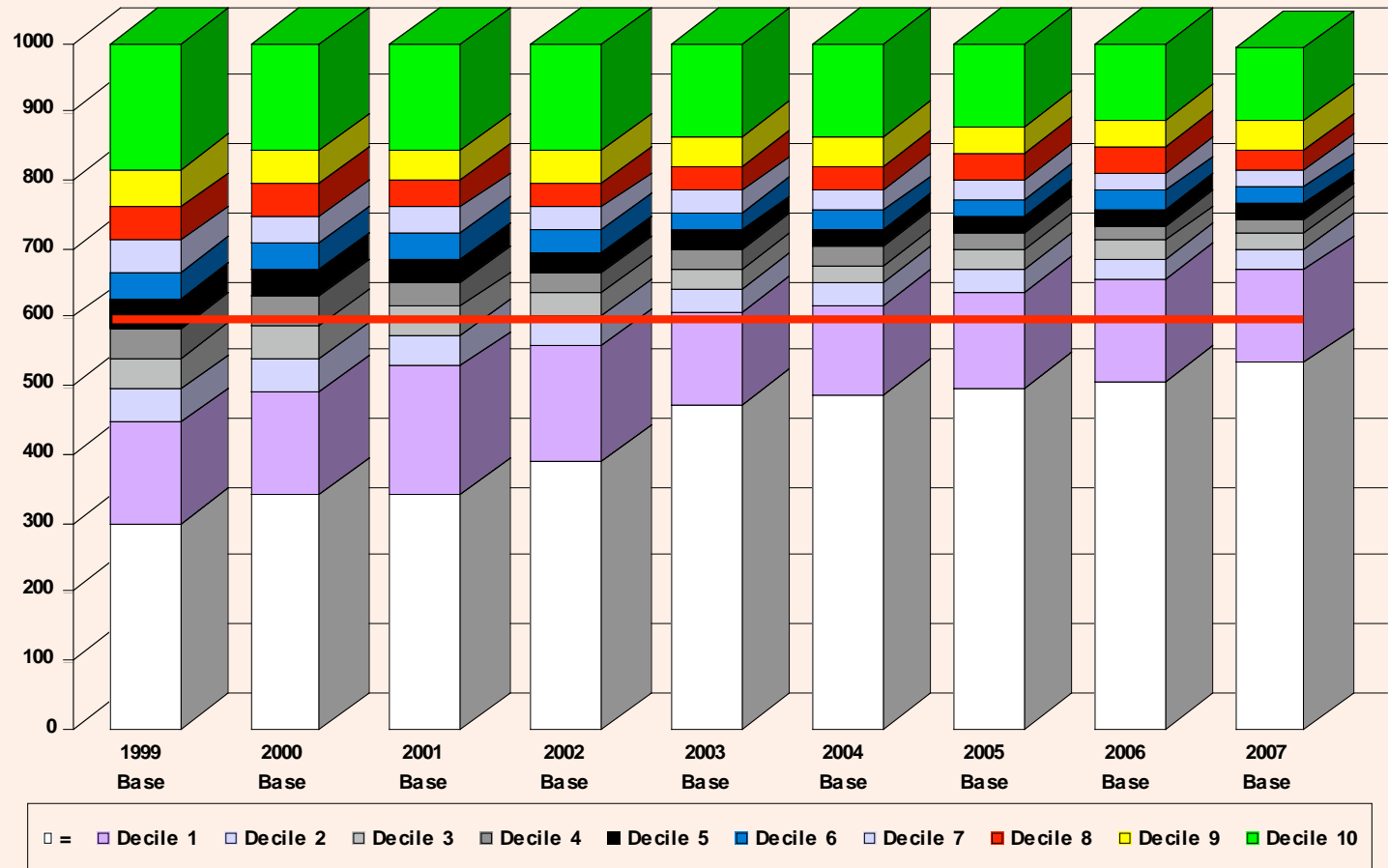


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Elementary School Level

Academic Performance Index (API)

Range of API Scores for Each Decile Rank

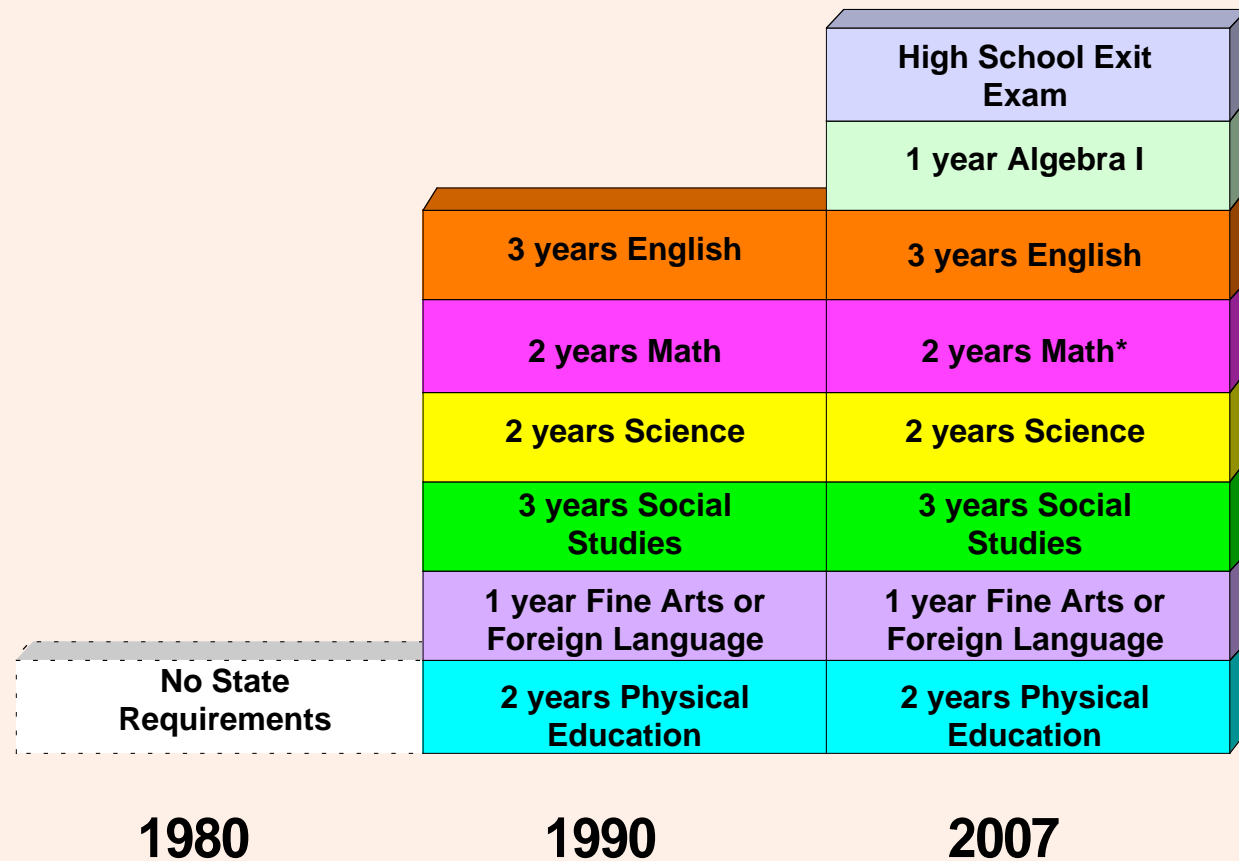




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High Expectations

California High School Graduation Requirements





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Closing the Achievement Gap

Yet, an achievement gap exists between our white students and students of color, as well as gaps with our English learners, poor students, and students with disabilities.

In California, the achievement gap represents a **majority** of students.

Closing the gap will improve the lives and futures of our students and secure the future for our state.

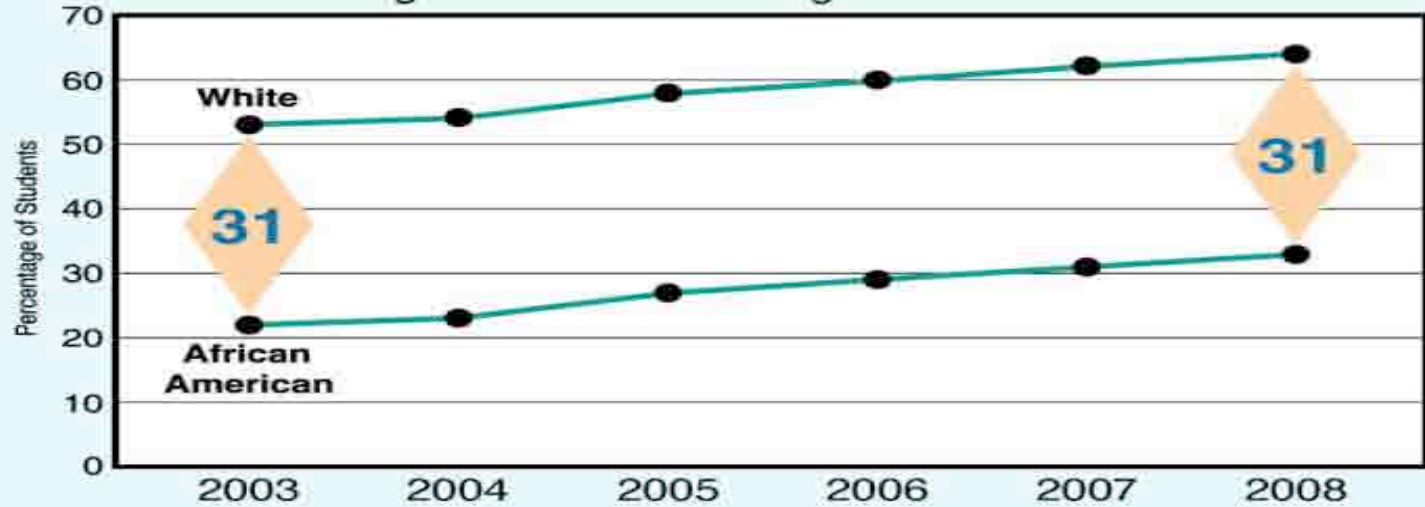


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Achievement Gap of African American Students to White Students

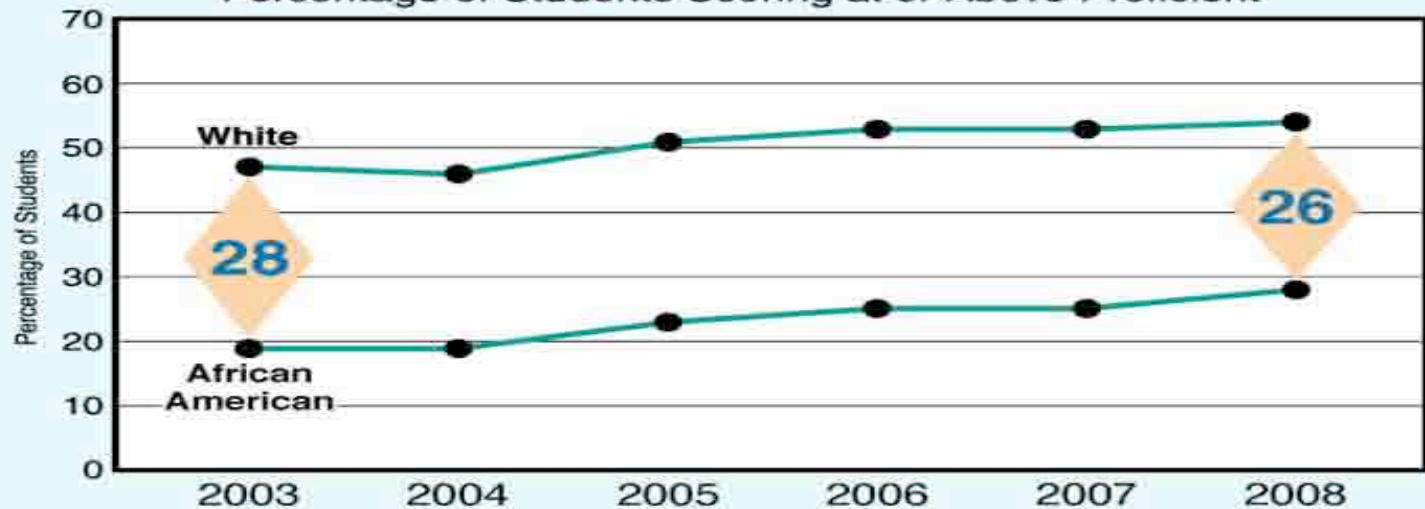
English-Language Arts

Percentage of Students Scoring at or Above Proficient



Mathematics

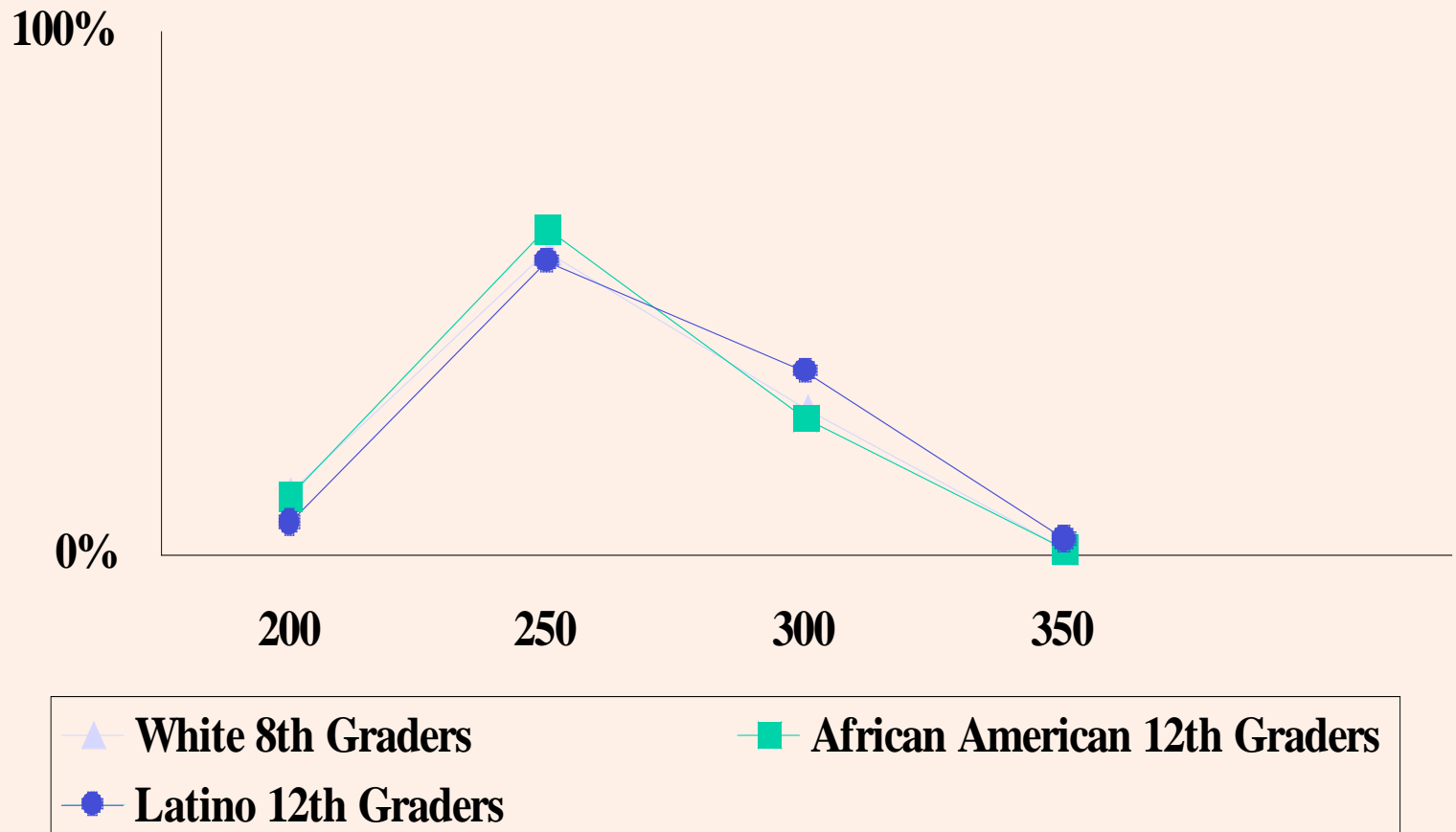
Percentage of Students Scoring at or Above Proficient





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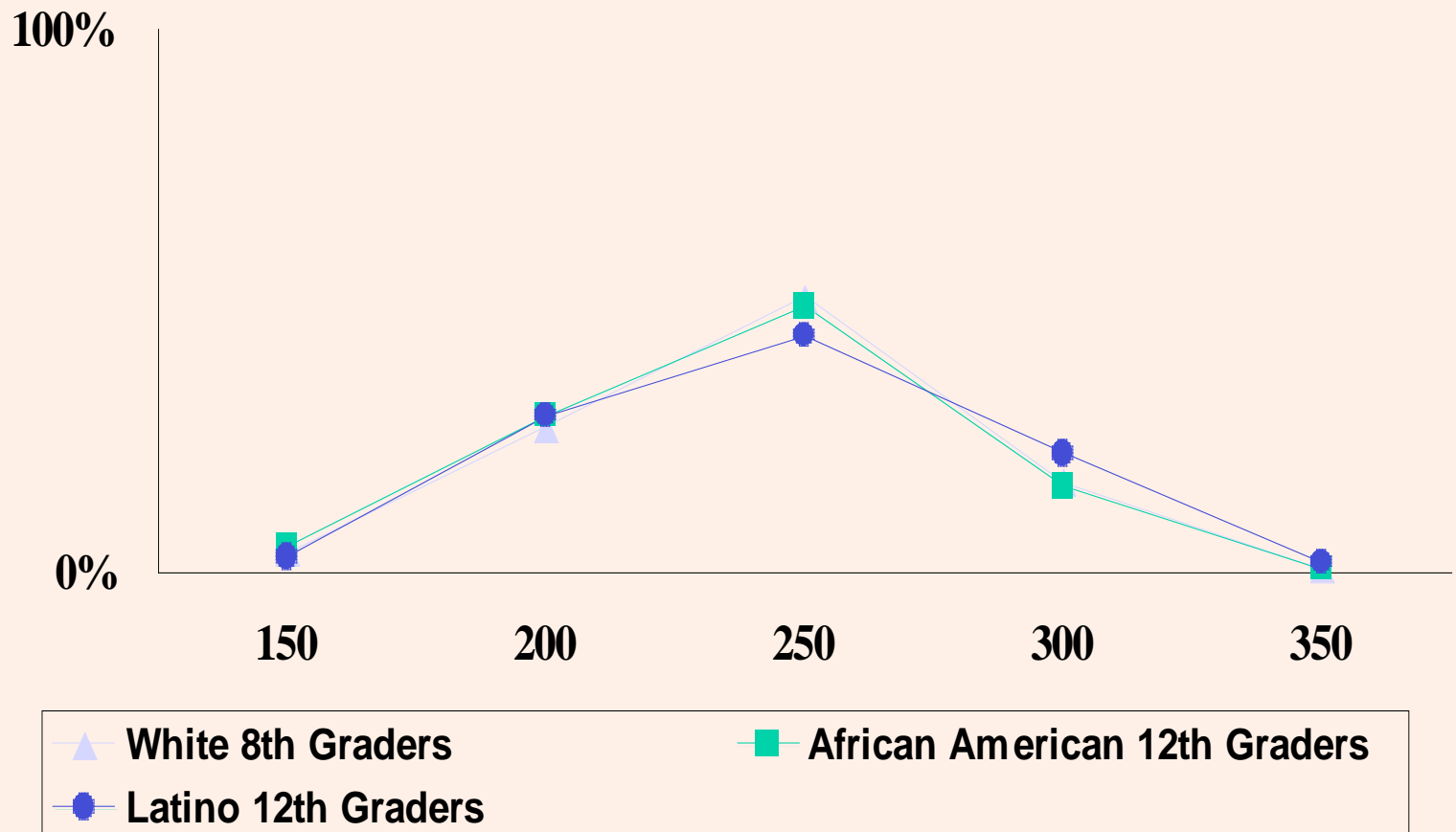
African American and Latino 17-Year Olds Do Math at Same Levels As White 13 Year Olds





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African American and Latino 17 Year Olds Read at Same Levels as White 13 Year Olds





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Achievement Gap: A Moral and Economic Crisis

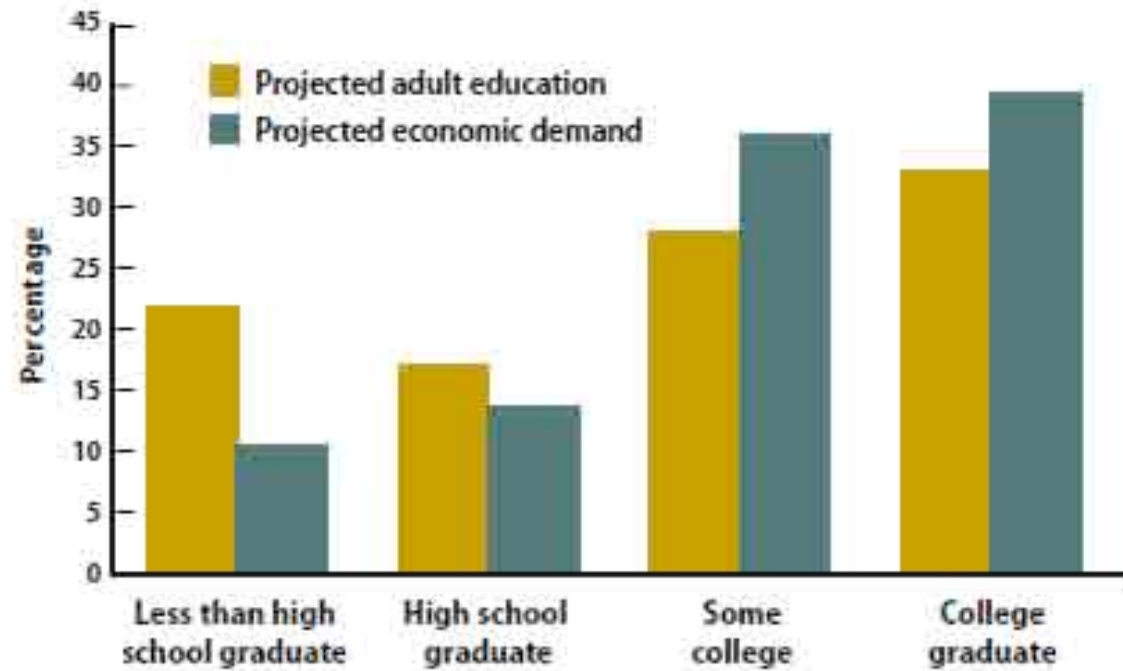
- Fewer well-paid, low skilled jobs.
- Global economy demands problem solvers, innovators, higher-level thinkers, strong communication skills
- Our students today must compete against students from all over the world.



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California's Future Workforce

California's troubled future: too many workers without a college education, too few with a college degree in 2020

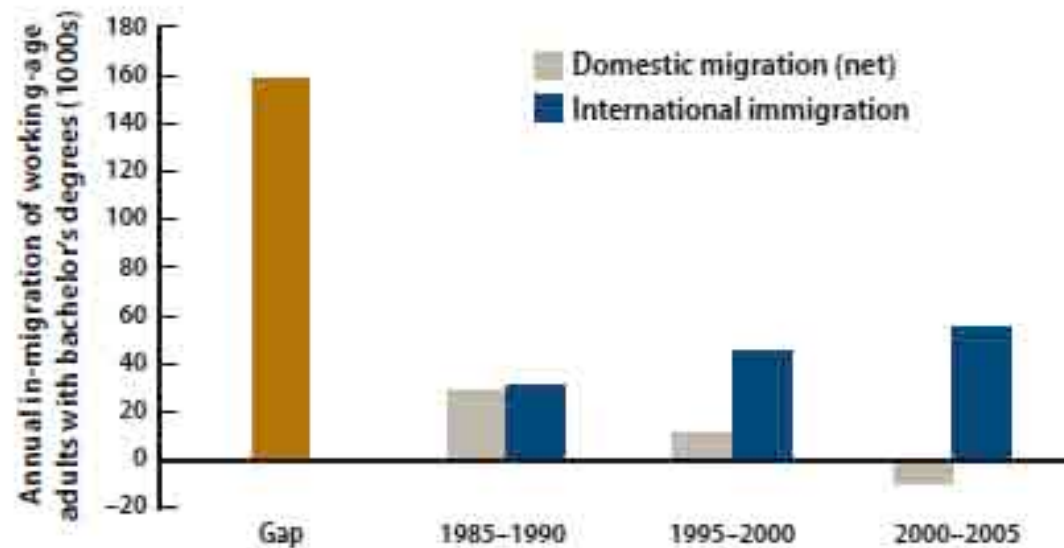




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California's Future Workforce

Figure 6. Past migration trends fall far short of annual migration needed to meet the supply/demand gap in 2025



Source: Johnson and Reed (2007).

Notes: The figure shows the annual net migration of workers with bachelor's degrees that would be required to fill the supply/demand gap by 2025 relative to past annual migration trends of working-age adults (ages 25 to 64).



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If Current Trends Persist ...

- **Projections for 2025**
 - 35% of adults will have a college degree
 - 41% of jobs will require a college degree
- Shortfall of **1 million** college graduates



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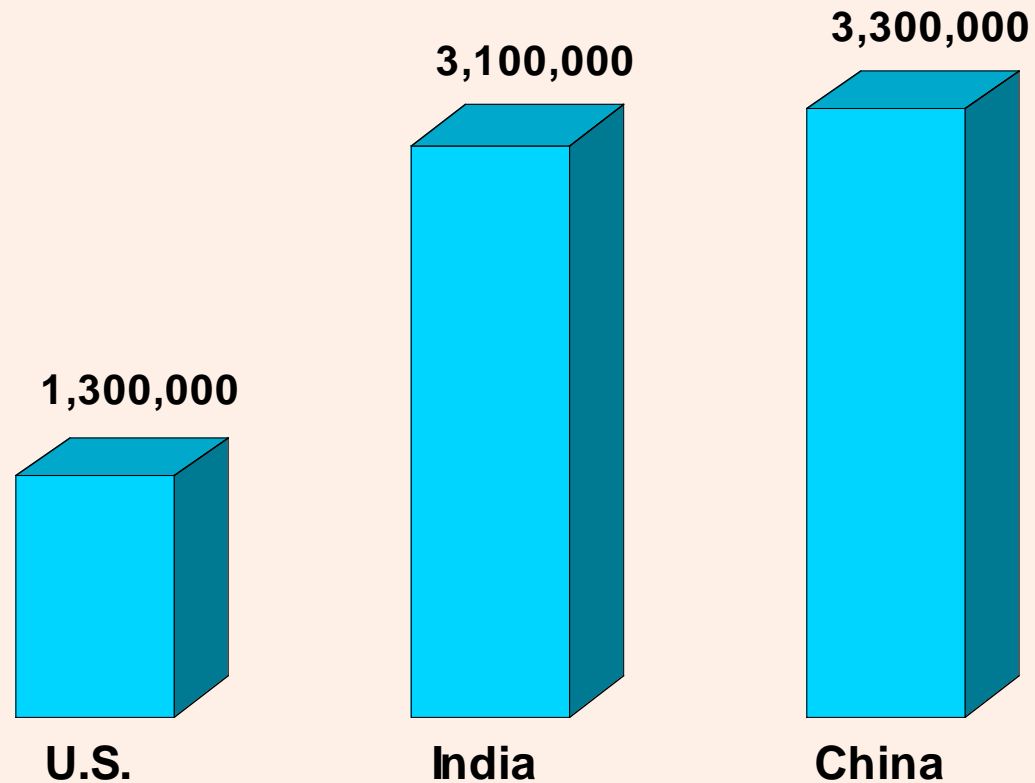
The Global Achievement Gap

- The US now ranks 10th amongst Industrial Nations in the rate of college completion by 25-44 year olds.



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The Global Achievement Gap 2006 College Graduates





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Global Competition

Did you know?

The 25% of the population in China
with the highest IQ's...





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Global Competition

Is greater than the total population of
North America.





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Global Competition

In India, it's the top 28%.





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Global Competition

What percentage of 2006 Indian college graduates speak English?

100%



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Global Competition

In 10 years, it is predicted that the number one English speaking country will be ...

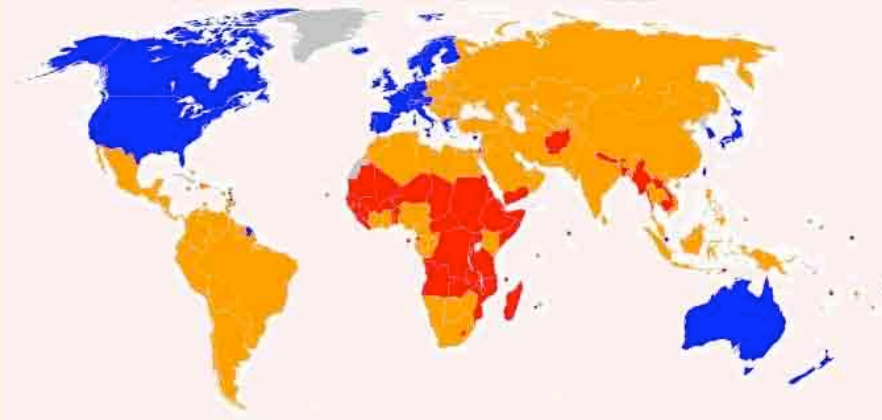




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Global Competition

Nearly
2,000,000,000 children
live in developing countries.



■ Developed Countries

■ ■ Emerging and Developing Countries



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Did you know?

Nearly
2,000,000,000 children
live in developing countries.
1 of 3 never completes 5th grade.





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Global Competition

In 2005, One Laptop Per Child Project set out to provide these children with laptops.



Kids who never held a textbook will now hold the world.



And be connected.

To us.....





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Multiple Skills Did You Know?

The U.S. Department of Labor estimates that today's learner will have 10-14 jobs...



By the age of 38.



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Information Economy

It's estimated that a week's worth of
The New York Times...



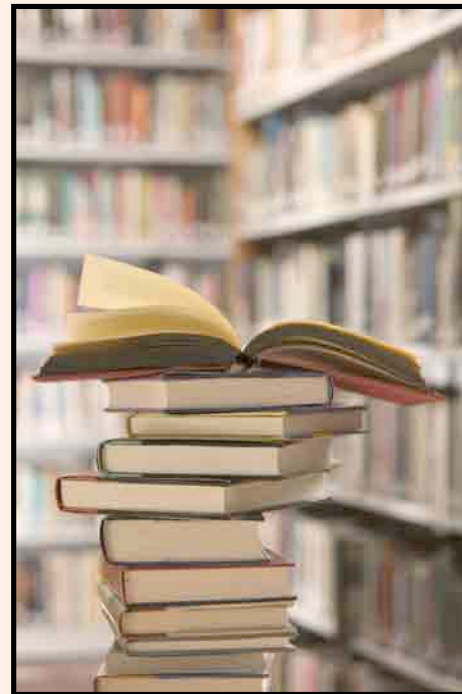
Contains more information than a
person was likely to come across in
a lifetime in the 18th century.



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Information Economy

More than 3,000 books are
published...



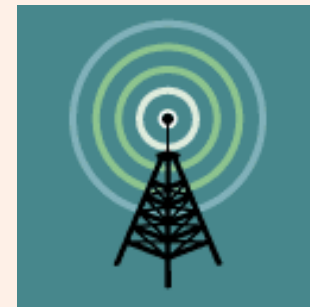
Daily.



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Technology Driven Did You Know?

Last year, the video site YouTube consumed as much bandwidth as the entire Internet did in 2000.





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Technology Driven

There were
2,700,000,000
searches performed on

Google

this month!



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Technology Driven

1 out of every 8 couples married in the U.S. last year...



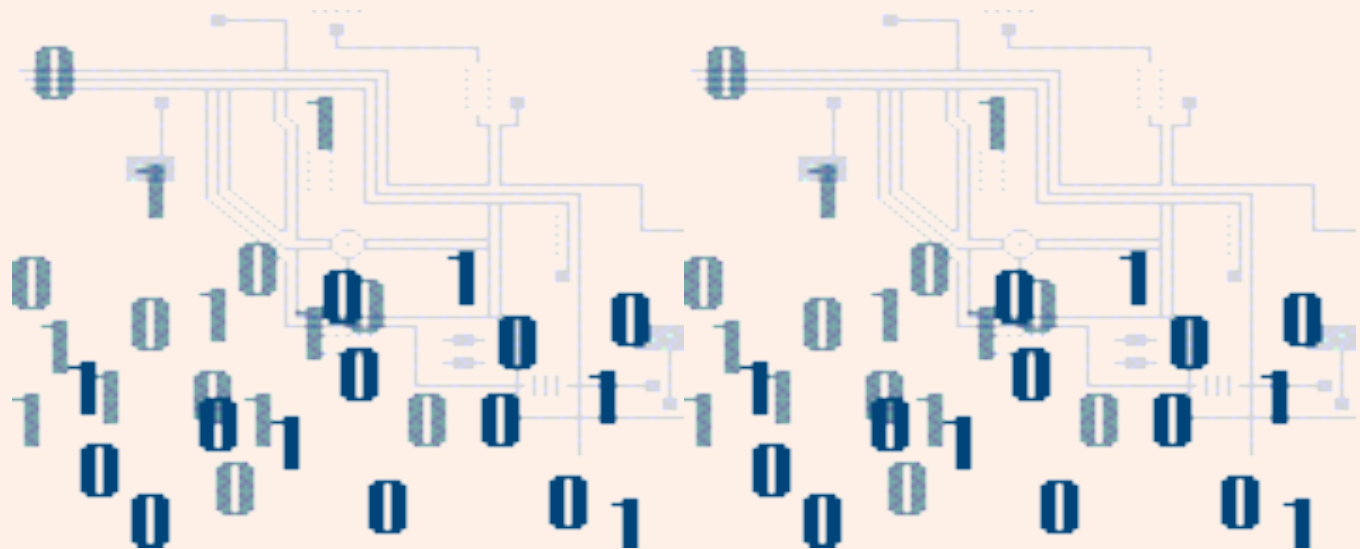
met online.



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Technology Driven

The amount of new technical information is doubling every 2 years.





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Technology Driven

It's predicted to double every 72 hours by 2010.

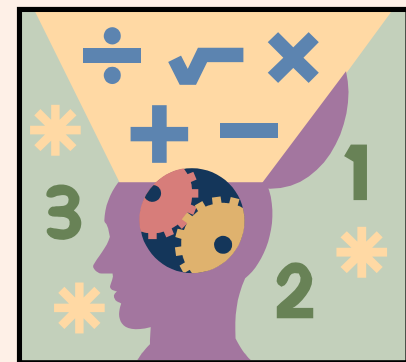
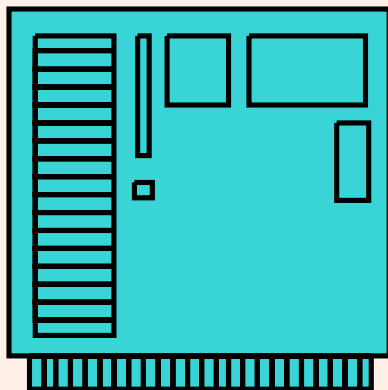




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Technology Driven

Predictions are that by 2013, a supercomputer will be built that exceeds the computation capability of the **Human Brain...**

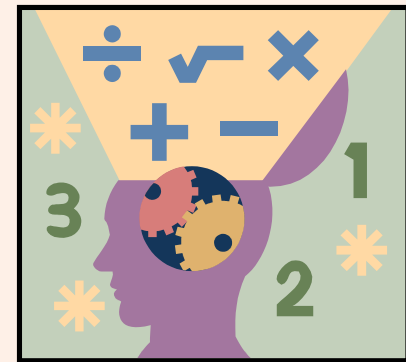




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Technology Driven

By 2023, a **\$1,000 computer** will exceed the capabilities of the **Human Brain...**





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Technology Driven

Today's 1st graders will be just 23 years old and beginning their (first) career...

And while technical predictions farther out than about 15 years are hard to do...



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Technology Driven

Predictions are that by 2049, a
\$1,000 computer will exceed the
computational capabilities of the
Human Race.





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Educating California's Children...

We are currently preparing students
for jobs that don't yet exist...

Using technologies that haven't been
invented...

In order to solve problems we don't
even know are problems yet.



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P-16 Council

Statewide assembly of:

- Education,
- Business, and
- Community leaders

Charged with developing strategies to better:

- Coordinate,
- Integrate, and
- Improve

Education for preschool through college students

Formed in 2004 by Jack O'Connell, the Council has dealt with High School Reform and Professional Development Issues



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P-16 Council

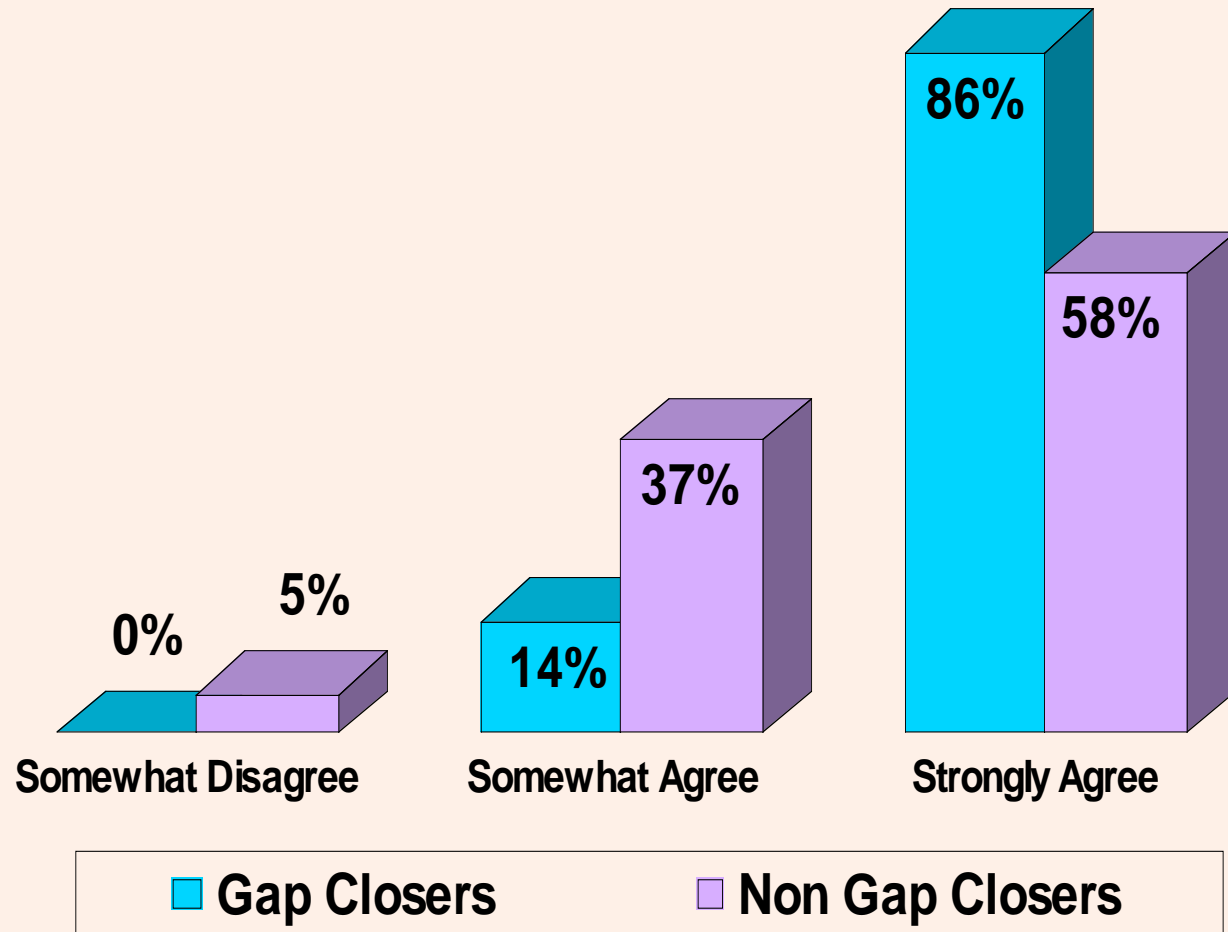
2007, the council was charged with focusing on Closing the Achievement Gap



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Closing the Gap Has Been a Primary Goal for School Leaders





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P-16 Council

- The Council considered what the **state** can do to create the conditions necessary for closing the gap
- Their recommendations are categorized into four major themes



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Four Major Themes

Access – All students should have equitable access to core conditions, such as qualified teachers, quality PreK and a rigorous curriculum.

Culture and Climate – How schools can offer the best environment that promotes learning and a sense of belonging for students, parents, and school staff.

Expectations – We must foster high expectations for all.

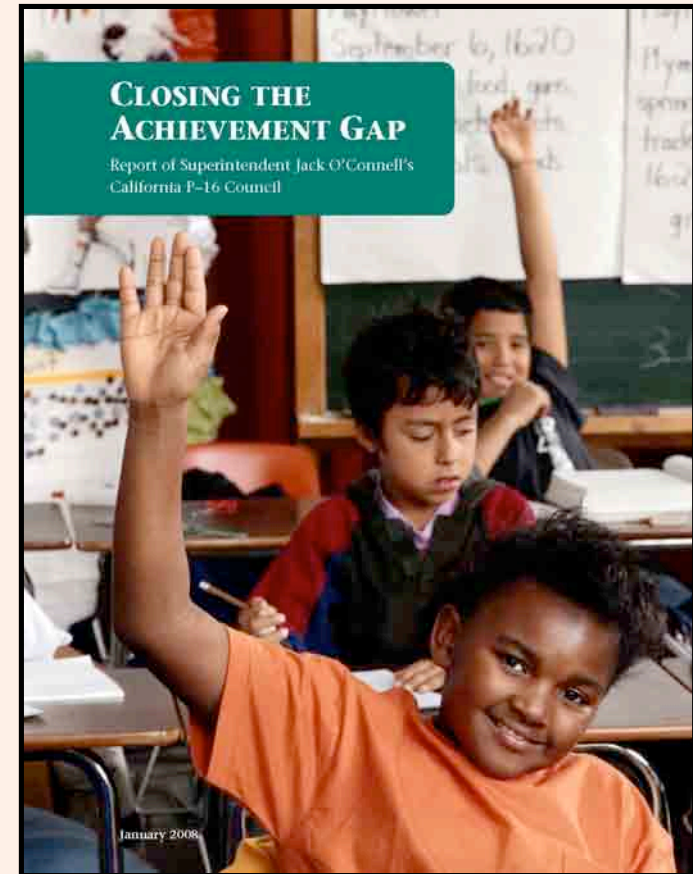
Strategies – Practices the state can promote that have proven effective or are promising for closing the achievement gap.



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P-16 Council Report

- January 2008, Council releases CTAG report
 - Not intended to be comprehensive
 - But important steps to follow
- Makes 14 recommendations





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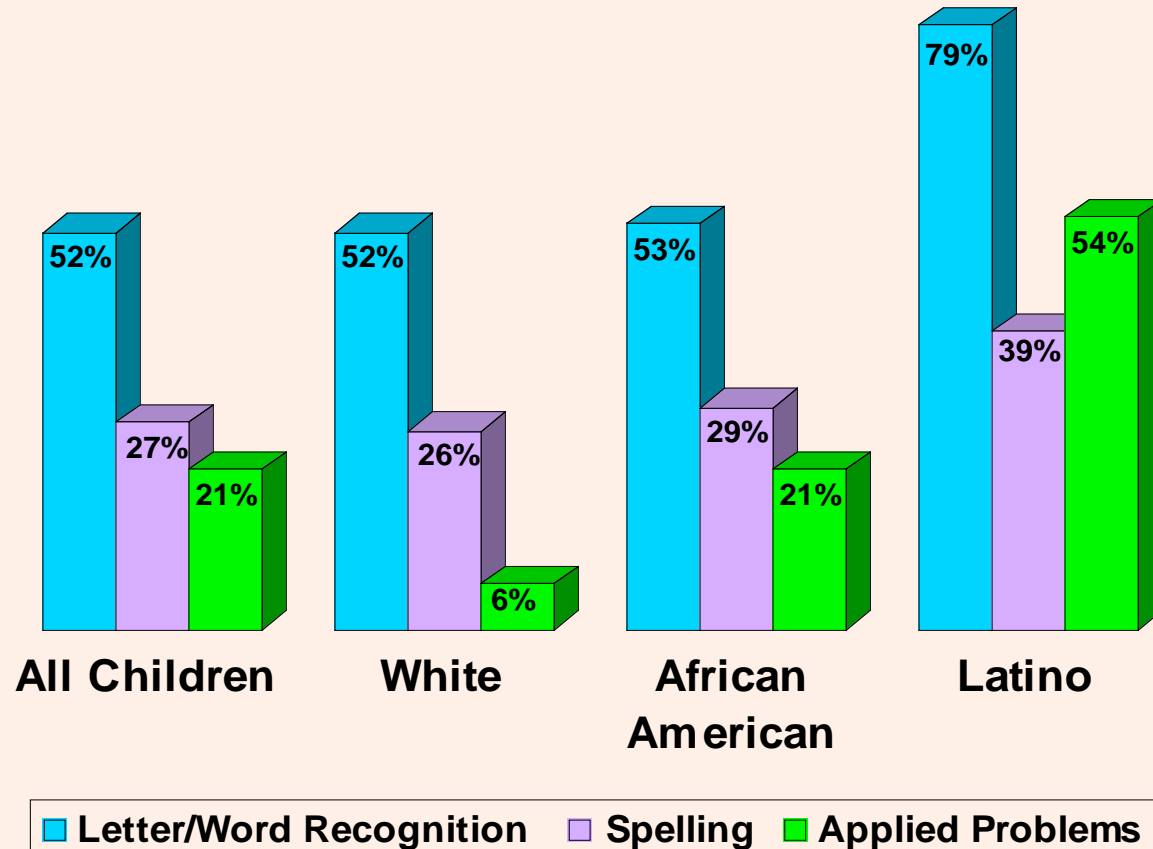
Access

Design and expand
High Quality PreK



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Research Shows: Benefits of PreK Gains by Children in Oklahoma's PreK Program

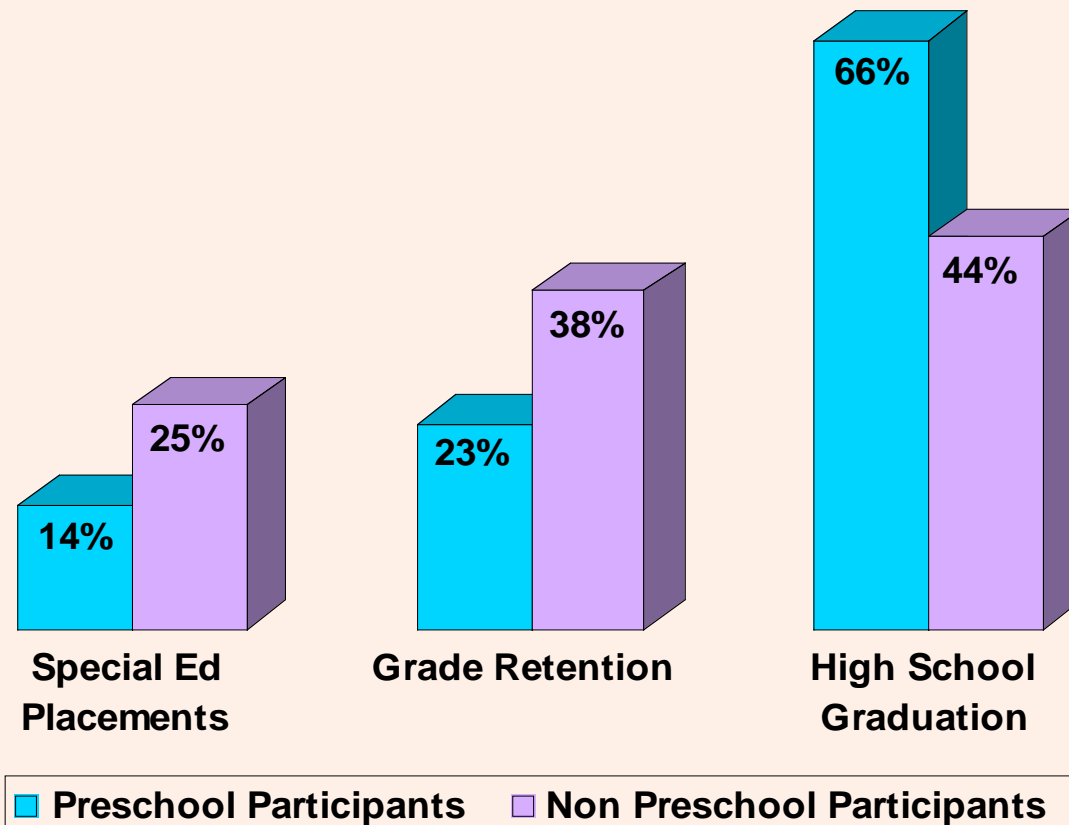


Source: *The Effects of Universal PreK on Cognitive Development*,
Washington, D.C.: Georgetown University, 2005.



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Research Shows: PreK Prepares Kids for Success in School PreK Participants Fare Better Overall



Source: High/Scope Perry Project Through Age 40,
Ypsilanti, MI: High /Scope Press, 2004.



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Access

*SSPI Jack O'Connell sponsored and Governor Schwarzenegger signed two bills to create **High-quality** preschool for all students:*

- AB 2759 by Assembly member Dave Jones – Consolidate existing Title 5 programs
- SB 1629 by Senator Darrell Steinberg – Creation of a quality-improvement and tiered reimbursement system



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Develop Partnerships to Close the Achievement Gap

- Developed partnerships with the California Parent Information & Resource Center Project, the CDE Title I Programs Office Family Area Network, and the Partnership Steering Committee on School Health Connections.
- The primary goal of the partnerships is to embed, "closing the achievement gap" as a primary driver of efforts being pursued by these organizations.
- Create a Resource Kit for Partnerships to Close the Achievement Gap. It is anticipated that the Resource Kit will be available for free download in May 2009.



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American Reinvestment and Recovery Act

- Over \$100 billion investment (estimated \$8 billion for California) is historic opportunity to stimulate economy and take extraordinary actions to produce better results for students
- Success depends on leadership, judgment, coordination, and communication.



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Principles of ARRA Fund Distribution

1. Spend funds quickly to save and create jobs
2. Improve student achievement through school improvement and reform
3. Ensure transparency, reporting, and accountability
4. Invest one-time ARRA funds thoughtfully to minimize the “funding cliff”

Source: www.recovery.gov



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Focusing our Attention on Closing the Achievement Gap

- The goal of closing the achievement gap demands a kind of **focused desire**. It calls for a willingness to change, to be bold, and to try new ideas.
- The time has come for us to answer this call. Together we can close the achievement gap and open the door to a better future for every student, without exception.



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Comments or Questions?

Comments and questions can
be directed to the CDE P-16 Unit
at 916-319-0908 or by
e-mail at P16@cde.ca.gov.