### Konawaena High School Community Conversation



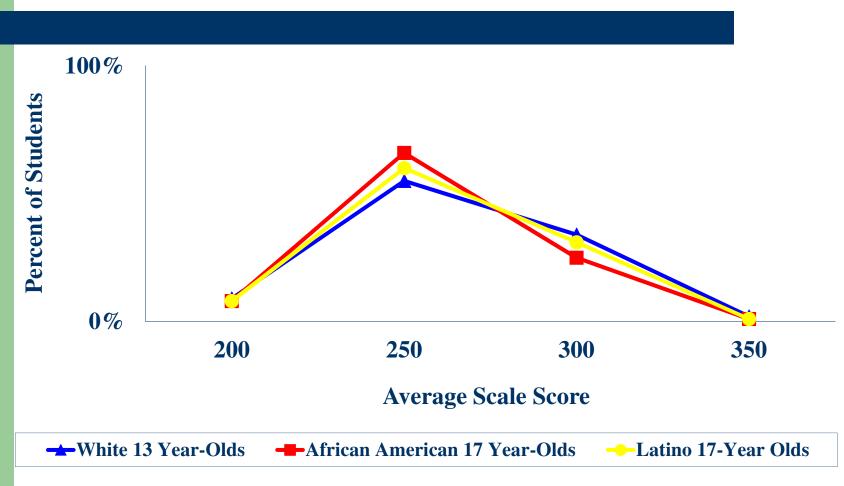
January 22, 2009

Tami Pearson Gabe Craft The Nation's Biggest Crisis:

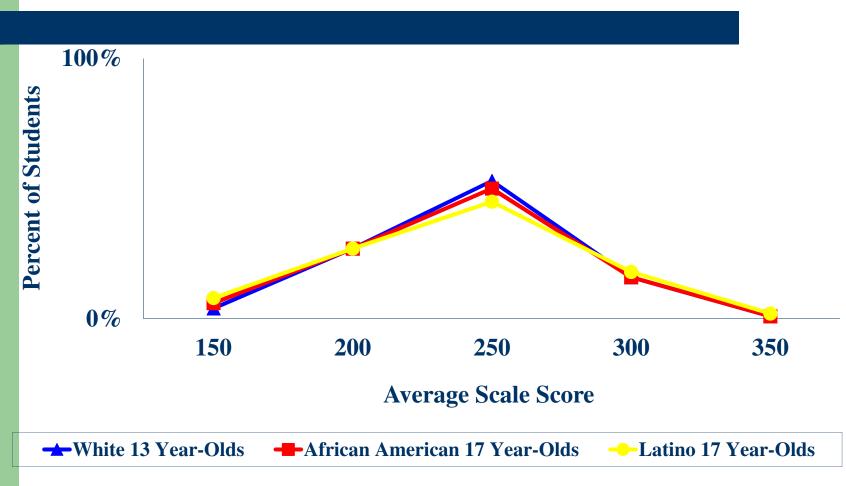
The State of our High Schools

The National Assessment of Educational Progress (NAEP)

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



#### Nationwide Latino and African American 17 Year-Olds Read at Same Levels As White 13 Year-Olds

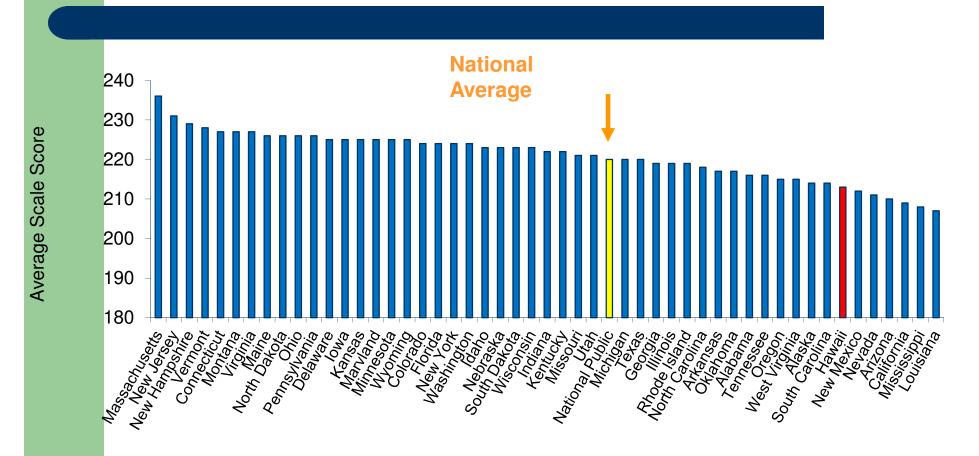


Source: National Center for Education Statistics, NAEP 2004 Long Term Trends

### Hawaii's Standing?

12<sup>th</sup> Grade NAEP is not reported at the state level, but the pipeline shows cause for concern.

# 2007 NAEP Grade 4 Reading Average Overall Scale Scores by State

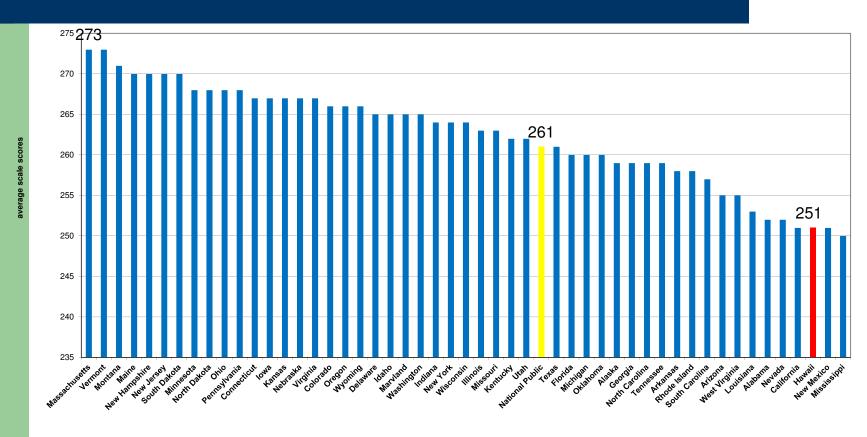


Source: National Center for Education Statistics, NAEP Data Explorer, http://nces.ed.gov/nationsreportcard/nde/

**Proficient Scale Score: 238** 

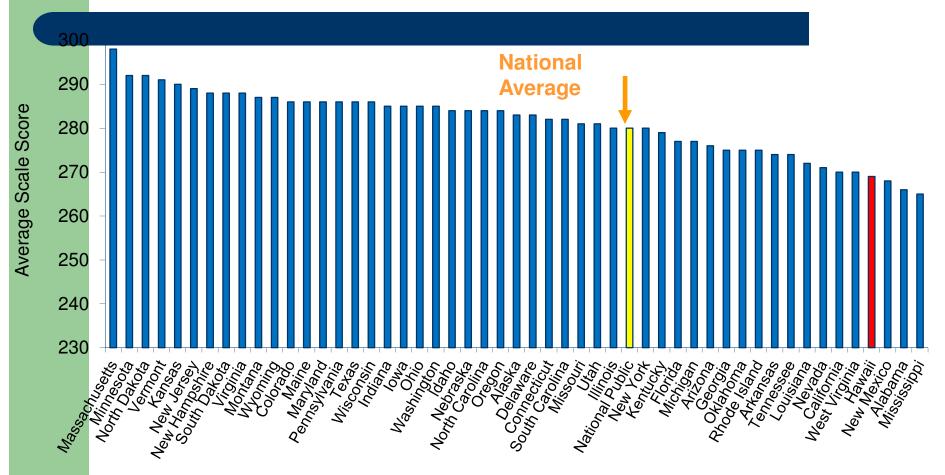
#### 8th Grade Reading

Grade 8 Reading All students 2007 NAEP



Proficient Score is 281

### 2007 NAEP Grade 8 Math Average Overall Scale Scores by State

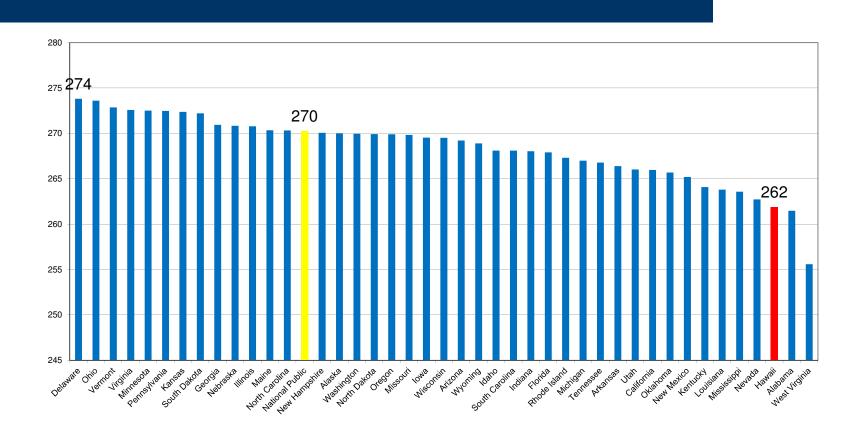


**Proficient Scale Score: 299** 

Source: National Center for Education Statistics, NAEP Data Explorer, http://nces.ed.gov/nationsreportcard/nde

### Hawaii's White 8th Grade Students Trail Behind Their Peers in Most States

8th Grade NAEP 2007 Reading
White Students-Average scale score highest to lowest



# How are Konawaena High Schools' students doing?

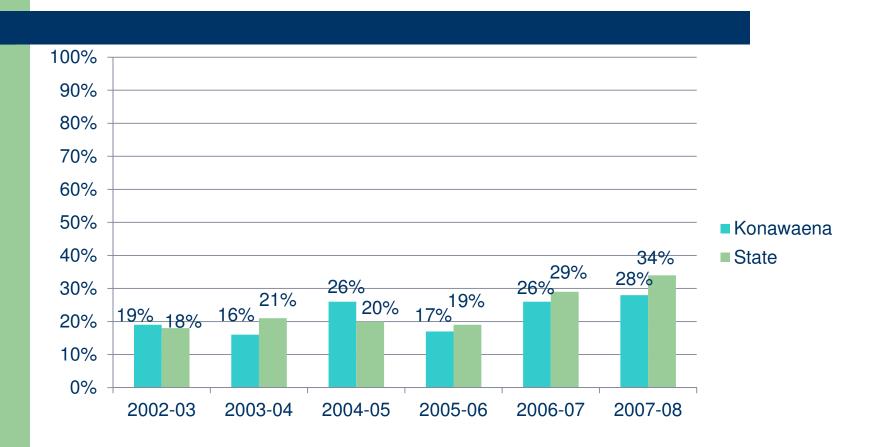
#### Hawai'i State Assessment 10<sup>th</sup> Graders - Reading



Source: State of Hawaii Department of

Education, 2009

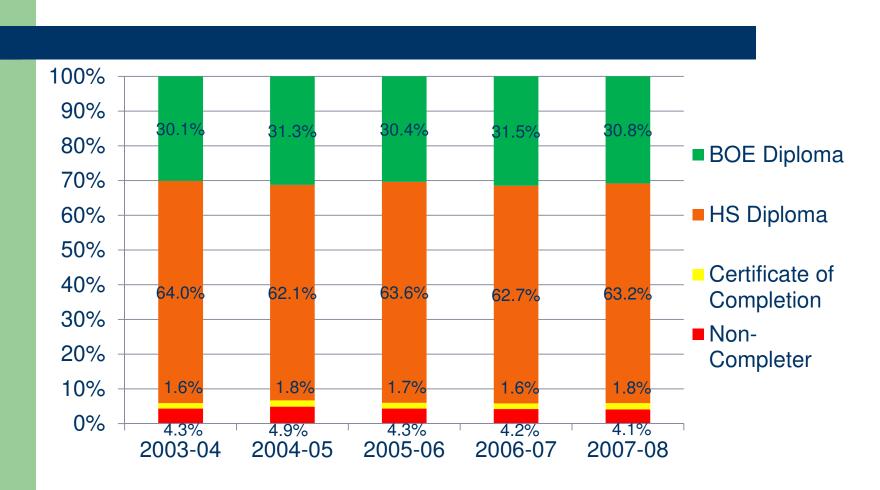
#### Hawai'i State Assessment 10<sup>th</sup> Graders - Math



Source: State of Hawaii Department of Education, 2009

# Are students completing a rigorous curriculum?

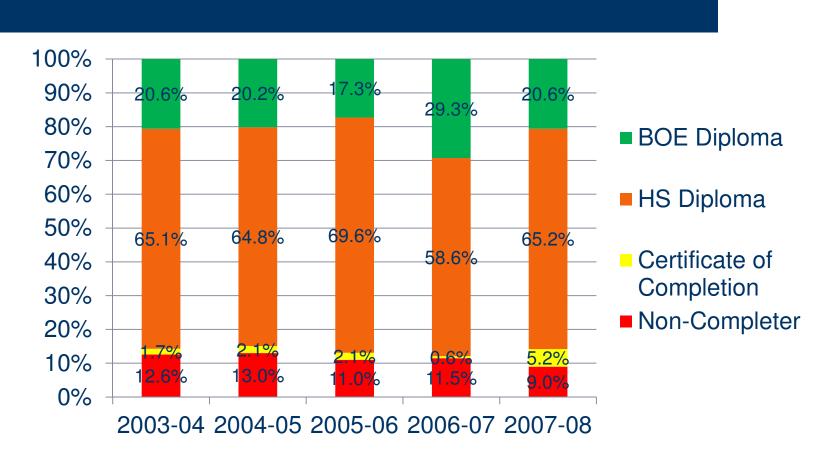
#### Hawai'i High School Completers



Source: State of Hawaii Department of Education – Accountability Resource Center Hawaii, 2009

2009 by the Education Trust – West

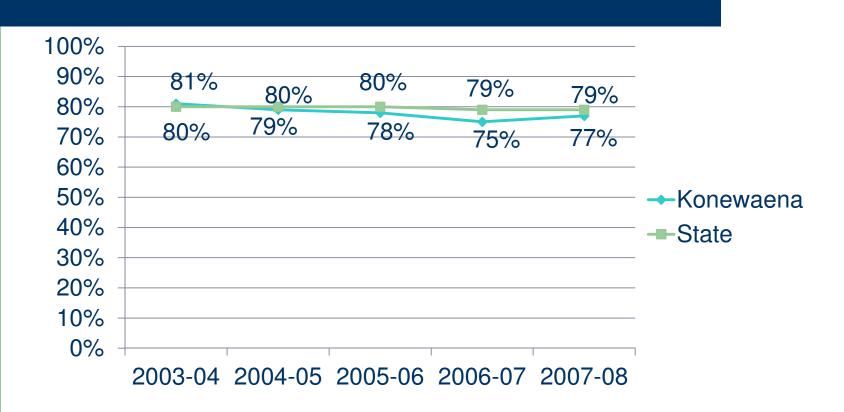
# Konawaena High School Completers



Source: State of Hawaii Department of

Education, 2009

#### **Graduation Rates**



### **Current High School Graduation & College Admission Requirements**

	HS Diploma	BOE Diploma	UH-Manoa
English	4.0	4.0	4.0
Social Studies	4.0	4.0	3.0
Mathematics	3.0	3.0 (no more than 1.0 lower than Pre-Algebra)	3.0 (including Geometry & Algebra II)
Science	3.0	3.0 (no substitutions allowed)	3.0
Physical Education	1.0	1.0	-
Health	0.5	0.5	-
Guidance	0.5	0.5	-
World Language (same language)	-	2.0 (in same language, or in Fine Arts, or CTE)	-
Fine Arts	-		-
Career & Technical Education	-		-
Electives (Any Subject Area)	6.0	6.0	9.0 (including 4.0 College Prep)
TOTAL	22.0 credits	24.0 credits	22.0 credits
	2009 by the Education Trust – West		

### Class of 2013

	High School Diploma	BOE Diploma
English	4.0 (ELA & 2)	4.0 (ELA 1 & 2 and expository writing)
Social Studies	4.0	4.0
Math	3.0	4.0 (Algebra 2)
Science	3.0	3.0 (2 lab sciences)
World Language / Fine Arts / CTE	2.0 (2 in one of specified courses)	2.0 (2 in one of specified courses)
Senior Project	N/A	1.0
PE	1.0	1.0
Health	.5	.5
Personal Transition Plan	.5	.5
Electives	6.0	5.0
Total	24.0	25.0

Konawaena High School is examining the educational opportunities for all its high school students.

WHY NOW?

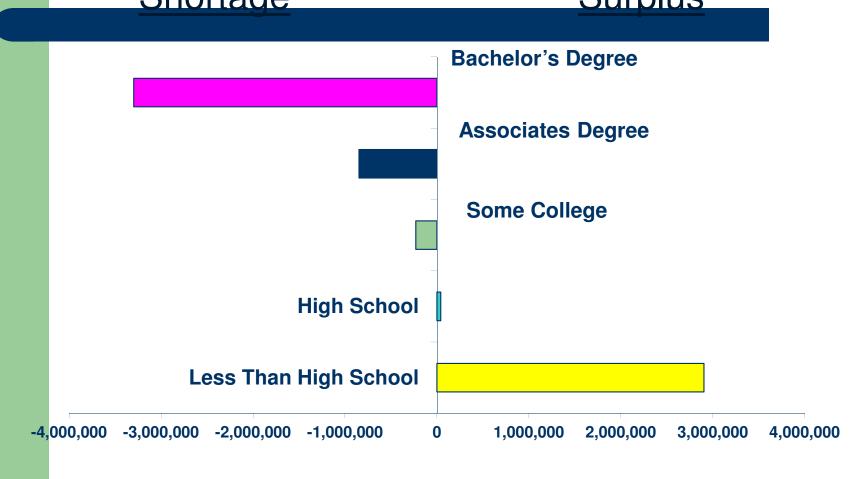
# Ready for Career = Ready for College

"In the agricultural age, postsecondary education was a pipe dream for most Americans. In the industrial age it was the birthright of only a few. By the space age, it became common for many. Today, it is just common sense for all"

--National Commission on the High School Senior Year, 2001 Report after report confirming same bleak news – America is losing ground because there are not enough well-educated young people to take on jobs the 21st century demands.

This is especially true as the percentage of students who historically have not attended college (ELL, Hispanic, Iow-income) continues to increase. And baby boomers retire.

# Growing Need for Higher Levels of Education: Projections of Education Shortages and Surpluses in 2012 Shortage Surplus



<u>Source:</u> Analysis by Anthony Carnevale, 2006 of Current Population Survey (1992-2004) and Census Population Projection Estimates

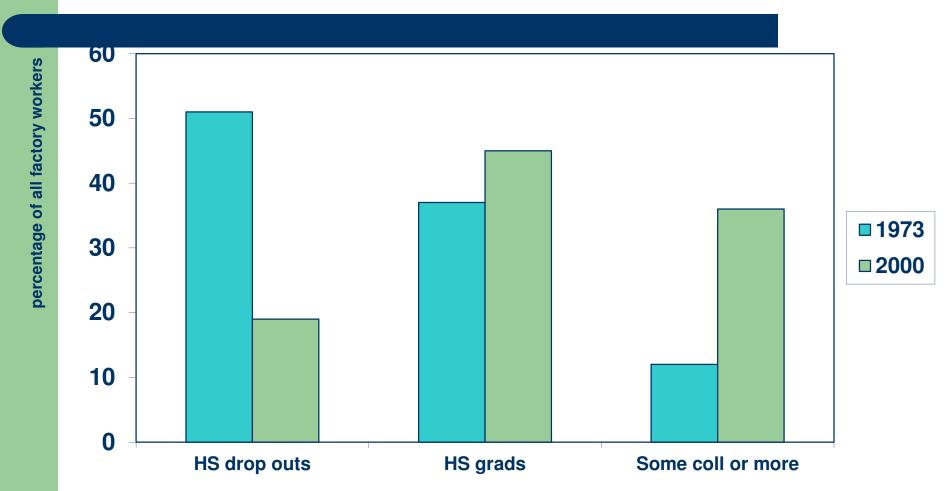
#### **Despite Fears of Outsourcing**

- 43 percent of the jobs in the next 30 years may be in highly paid managerial, professional and service related occupations – nearly twice the proportion of 30 years ago.
- Jobs in technical support specialties, including skilled construction trades and crafts, will also remain strong.
- Lower-skill jobs, such as equipment operators, assembly line workers, and manual services workers will fall in proportion to only 23.1 percent of the total.

## For Students to Have Real Choices:

- They'll need access to 2- and 4- year colleges and universities.
- They'll need to be prepared for good jobs with a meaningful career ladder, a wage sufficient to support a family, and insurance benefits.

## Factory Jobs Are Going to Workers With More Education (1973-2000)



Source: Carnevale & Desrochers, "The Missing middle: Aligning Education and the Knoweldge Economy, Educational Testing Service, April 2002.

### Higher Skill Demands Require Earlier and More Rigorous Preparation... Even in Jobs We Don't Expect

#### Requirements for Sheet Metal Workers

- Four or five years of apprenticeship.
- Algebra, geometry, trigonometry and technical reading.

#### Requirements for Auto Technicians

 A solid grounding in physics is necessary to understand force, hydraulics, friction and electrical circuits.

Source: National Manufactures Association

#### **Even in Jobs We Don't Expect**

#### Plumbing-Heating-Air Conditioning

- Four or five years of apprenticeship and/or postsecondary training
- Algebra, plane geometry, trigonometry and statistics
- Physics, chemistry, biology, engineering economics.

### Construction and Engineering

- Four or five years of apprenticeship and/or post-secondary training
- Algebra, plane geometry
- Critical thinking, problem solving, reading and writing

#### **Culinary Arts**

- SAT, ACT or Accuplacer test
- Math Algebra, ratios, conversions, accounting
- Science
- Writing skills
- High school diploma
- Foreign Language

ALL of these jobs require a strong foundation of reading, writing and speaking the English language in order to comprehend instructions and technical manuals

## **American Diploma Project Interviews with Employers:**

- They mostly want the same things that higher education wants!
  - Strong Reading Ability read/comprehend informational and technical texts
  - Emphatic about literature understanding other cultures is necessary with diverse customers and co-workers
  - Writing ability key
  - Mathematics Imperative data, probability, statistics and competent problem solvers.
     Algebra I, Geometry and Algebra II.

### **Benchmark Courses for Career Success**

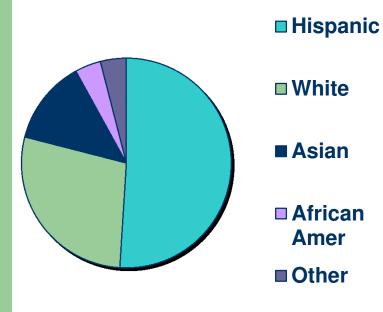
- Algebra II for highly paid professional jobs or well-paid white collar jobs.
- Geometry for well-paid blue-collar jobs and low-paid/low-skilled jobs
- 4 Years of English that is at least at grade level for the vast majority of jobs.

# In Hawai'i and in your community, that means providing the College-Ready/Career-Ready Curriculum to All

### Dispelling Myths About What Happens to Students When the College-Ready/Career-Ready Curriculum Is Expected for All?

A Case Study: San Jose Unified

#### San José Unified Demographics



- 31,200 students
- 51% Hispanic
- 28% White
- 13% Asian
- 4% African/American
- 4% Other
  - √ **39% Low SES**
  - √ 28% EL
    - 87% Spanish
       Speaking

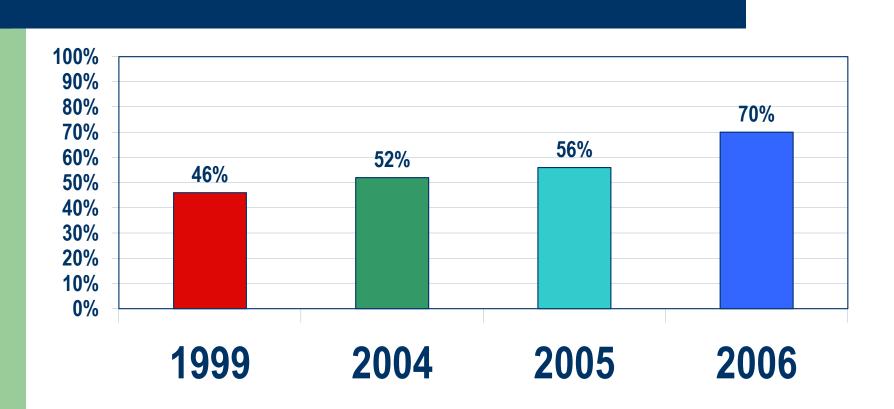
#### **SJUSD Graduation Requirements**

Course	San Jose*	Hawai'i (2009)
English	4.0	4.0
Mathematics	3.0 (through Alg. 2)	3.0
Science	3.0 (2 must be lab)	3.0
Social Science	3.5	4.0
Foreign Language	2.0	
Visual Performing Arts and Applied Arts	2.0	
Physical Education	2.0	1.0
Health		.5
Guidance		.5
Other Electives	2.0	6.0
Total	24.0	22.0

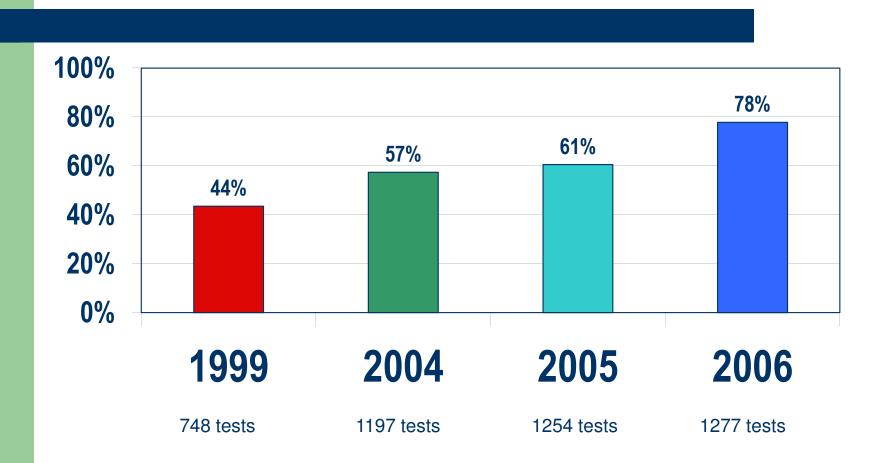
<sup>\*40</sup> hour Community Service Requirement

Myth: Requiring a rigorous course of study for all high school students will result in a watered down curriculum.

## Seniors who take at least one AP course

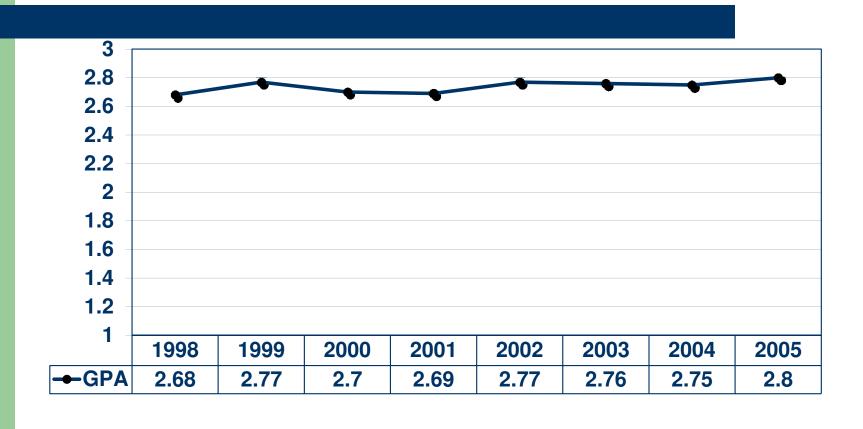


## Senior AP scores of 3 or higher



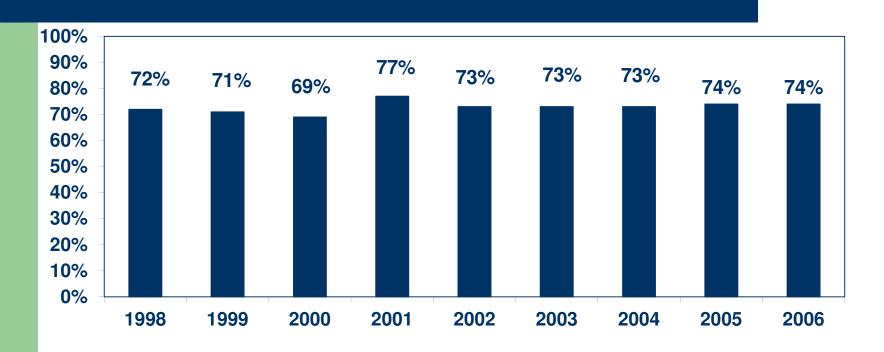
MYTH: Grades will plummet if all students are expected to complete a college-ready/work-ready curriculum

# Mean GPA for All SJUSD Graduating Seniors



# MYTH: Tough graduation requirements will cause non college bound students to disengage and drop out

#### **SJUSD Graduation Rates**

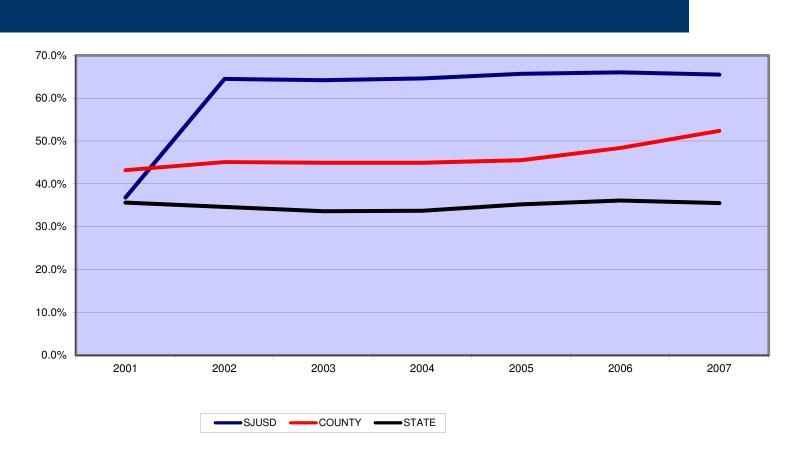


Estimated completion rate using Manhattan Institute methodology

#### THE REALITY IS:

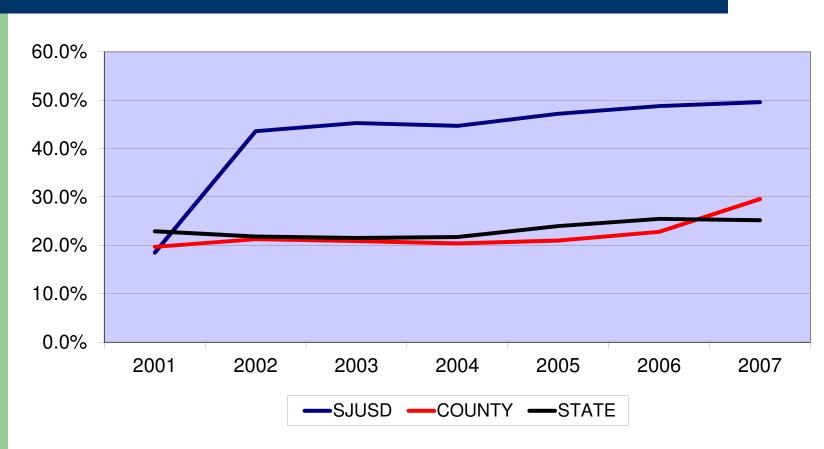
A college-ready/career-ready curriculum for all students will result in dramatic increases in the numbers of students, both minority and non-minority, who are eligible to enter UC/CSU directly out of high school.

## All 12<sup>th</sup> Grade Graduates 2001-2007 Completing all Courses Required with a "C" or better for UC/CSU Entrance



Source: EdTrust West analysis of California Department of Education data

## 12<sup>th</sup> Grade Latino Graduates 2001-2005 Completing all Courses Required with a "C" or better for UC/CSU Entrance



Source: EdTrust West analysis of California Department of Education data

#### What Do Students Say?

"You need a door, or a window. The college and career prep curriculum gives you that opportunity. I can't imagine not having it. Students will find the motivation, they only need the opportunity.

Personally, I didn't see myself in college until my sophomore year. I had kept up in my school work, but I didn't know what I would do after graduation. It was that persistence; that I had to keep doing well and the bar being raised so high, that made me realize that I was college material."

- Cesar Lopez, Senior, Lincoln High, San Jose Unified

Source: Students Speak Out, The Education Trust – West, 2005.

"They showed me how to fill out a McDonald's application in my Life Skills Class. I think that they should have at least taught me how to fill out a college application or at least tell me what the 'A-G' requirements are,"

- Gabriela Perez, 17, Garfield High School, LAUSD

Source: Alcalá, Christian and Rivera, Selene "Coalition Demands Access to Higher Education", ICS March 24, 2005.

#### **Lets Review**

Educational attainment –national, state and local

Compelling case that college and career readiness are the same thing in our global economy

It can be done - San Jose USD

This evening's conversation is designed to give you a chance to discuss learning expectations for our students; especially around what all students should know and be able to do when they graduate from high school.

We want to talk about the dreams that we have for our students after graduation and how we can turn our dreams into reality.

## **The Education Trust-West**

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