

# Walled Lake Central Freshman Parent Meeting



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August 2007



# Contact People

## Administrators

|      |                 |          |
|------|-----------------|----------|
| A-G  | Eric Henderson  | 956-4769 |
| H-PA | Dennis Wisinski | 956-4868 |
| PE-Z | Greg Riley      | 956-4848 |

## Counselors

|        |                      |          |
|--------|----------------------|----------|
| A-Di   | Mary Jo Hecker       | 956-4804 |
| Dj-KAK | Carolyn Brown        | 956-4828 |
| Kal-N  | Alison Walsh         | 956-4821 |
| O-Sp   | Sarah Easterling     | 956-4805 |
| Sq-Z   | Ann Marie Rutherford | 956-4829 |

**Attendance** 956-4720



# Why...Economic Survival

Challenge now From India, China and Eastern Europe Outsourcing of Jobs

By 2010 90% of all Engineers Will Live in Asia  
%age of American Students Majoring in Math, Science and Engineering has Dropped by 12% in the Last Five Years (Now Down to 5%)

This Year, China Will Graduate 350,000 Engineers  
In 1975, the US Ranked Third in the World in the %age of Students who Were Receiving Degrees in Science and Engineering. Today we are 17<sup>th</sup>

India and China Focus on Top 15% of Students



# Why...Economic Survival

- Our students face both national and international competition
- Research shows many students are not prepared to succeed in college or workplace
- Courses like Algebra II are new gateway to higher paying jobs
- Michigan's economic success is tied to a well-educated workforce



# Globalization

- **Challenge now From India, China and Eastern Europe**
- **Outsourcing of Jobs**
- **By 2010 90% of all Engineers Will Live in Asia**
- **%age of American Students Majoring in Math, Science and Engineering has Dropped by 12% in the Last Five Years (Now Down to 5%)**
- **This Year, China Will Graduate 350,000 Engineers**
- **In 1975, the US Ranked Third in the World in the %age of Students who Were Receiving Degrees in Science and Engineering. Today we are 17th**
- **India and China Focus on Top 15% of Students**



# Cities with 1 Million People

- United States 9
- Eastern / Western Europe 36
- China (2006) 100 +
- China (2020) 160 +

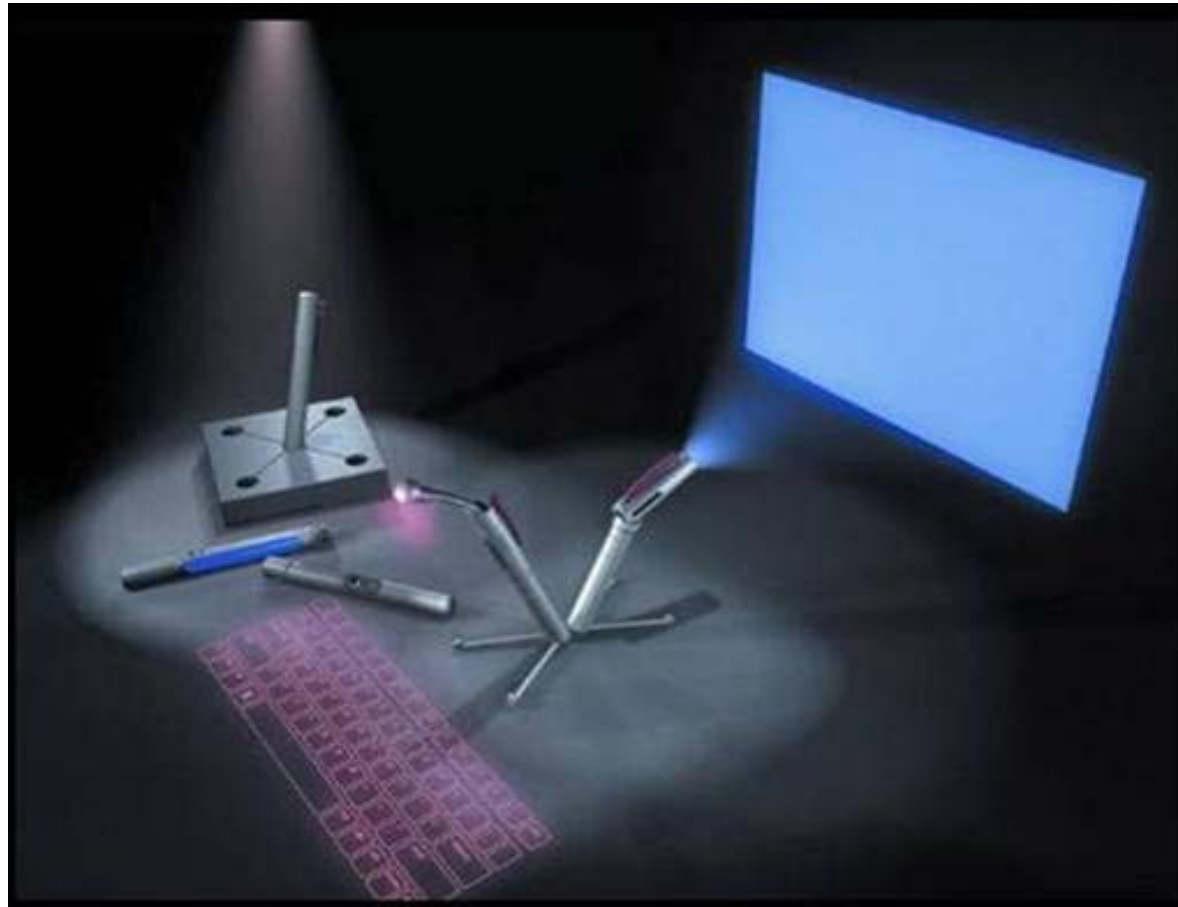


# Today's Youth

- Digital Learners
- Multimedia
- Find and manipulate data
- Analyze data and images



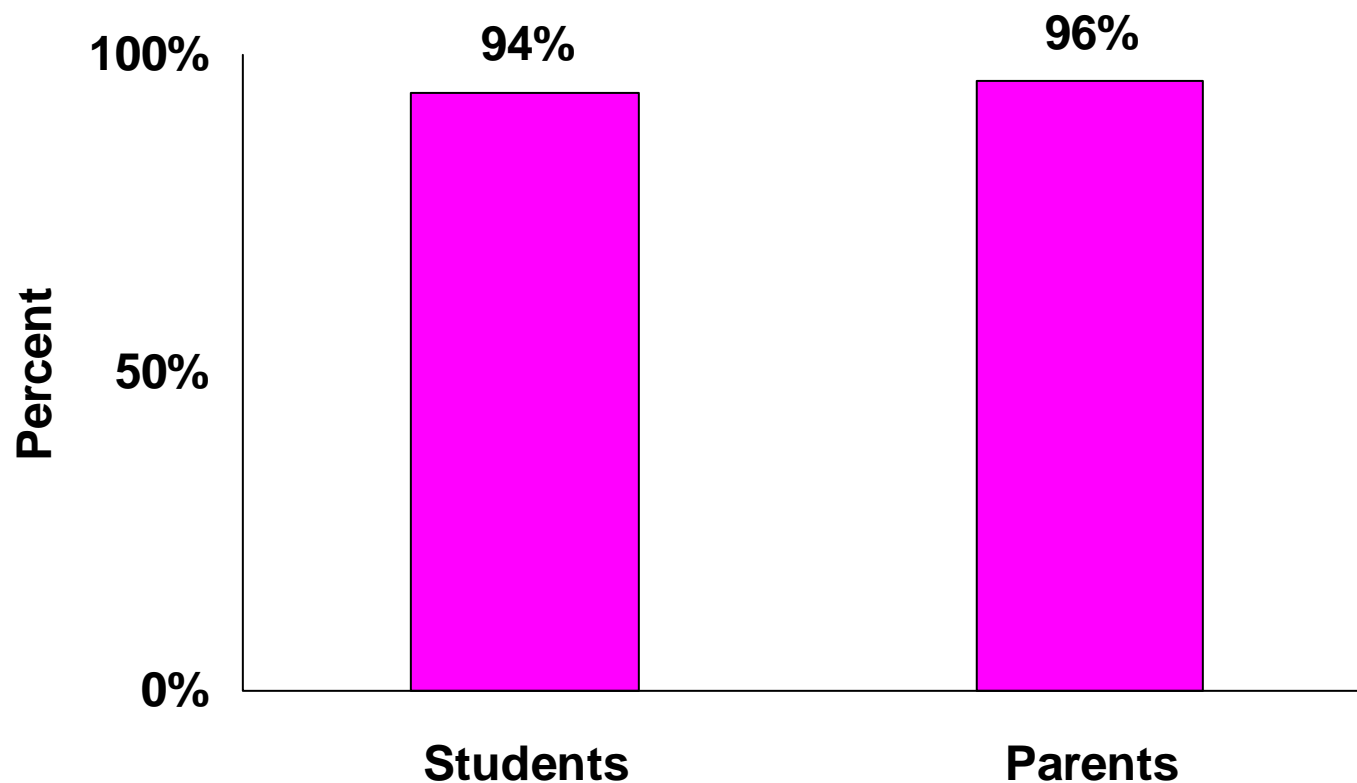
# Projection Keyboard and Projector



# Translation Goggles



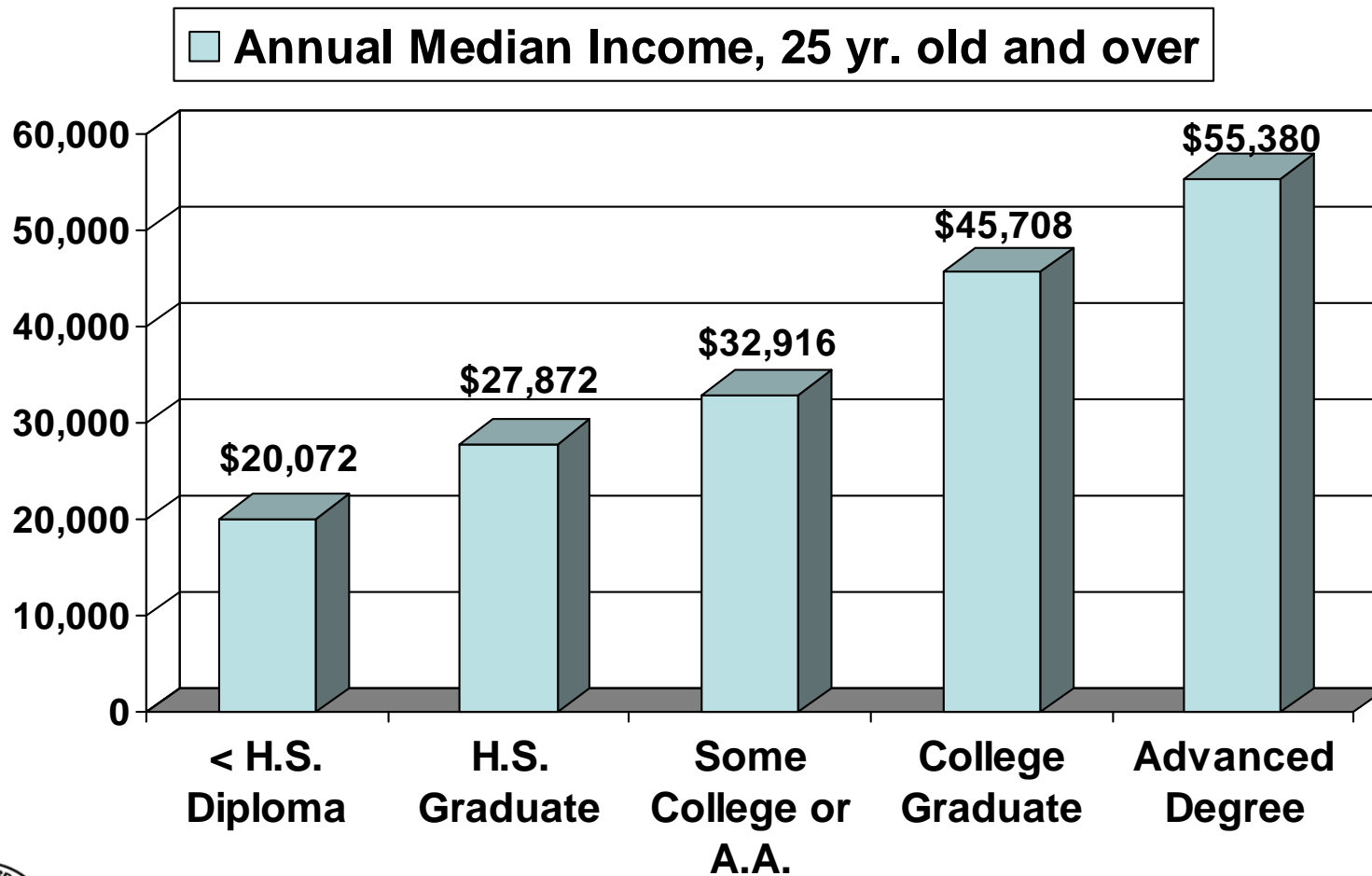
# YET KIDS AND PARENTS ARE CLEAR: THEIR GOAL IS COLLEGE



Source: U.S. DOE, NCES, Getting Ready to Pay for College: What Students and Their Parents Know About the Cost of College Tuition and What They Are Doing to Find Out, September 2003



# That's Good, Because Education Pays:



Source: Extrapolated from first quarter 2006 averages, not seasonally adjusted. "Usual Weekly Earnings of Wage and Salary Workers," U.S. Dept. of Labor, Bureau of Labor Statistics, Apr. 2006.



# WAGE GAP IS GROWING

## Income:

- 1980, College Grad earned 50% more than HS Degree
- 2004, College Grad earns 100% more
- Wage Gap Continues to Widen



Source: U.S. Census Bureau, Current Population Survey, 1975-2001



# Admissions Criteria

- *The number of core academic courses taken and the grades in those academic courses through the junior year.*
- *Senior year academic courses and grades are still important.*
- *Upward trend in grades from freshman through junior year.*
- *Admissions test scores (ACT or SAT)*
- *Involvement in & commitment to “outside” activities.*



# **Grade Point and ACT Test Score Averages for Thirteen Michigan Four-Year Universities: 2005-2006**

**Western Michigan University: Ave. GPA = 3.38 ACT = 22**

**Wayne State University: Ave. GPA = 3.24 ACT = 21.5**

**Oakland University: Ave. GPA = 3.2 ACT = 21.5**

**Michigan State University: GPA Range = 3.4-3.8 ACT Range = 25-27**

**University of Michigan, Ann Arbor: Ave. = 3.9 (based on 10<sup>th</sup> & 11<sup>th</sup> grade core courses only)  
ACT = 29**

**Madonna University: Ave. GPA = 3.3 ACT = 22.5**

**Grand Valley University: Ave. GPA = 3.53 ACT = 23.9**

**Eastern Michigan University: Ave. = 3.1 ACT = 21**

**Central Michigan University: Ave. = 3.29 ACT = 22**

**Adrian College: Ave. = 3.4 ACT = 22**

**Albion College: Ave. = 3.5 ACT = 25**

**Kalamazoo College: Ave. = 3.65 ACT = 28**

**Hope College: Ave. = 3.76 ACT = 28**



What is the best predictor of  
college success for students?  
(there are 3)

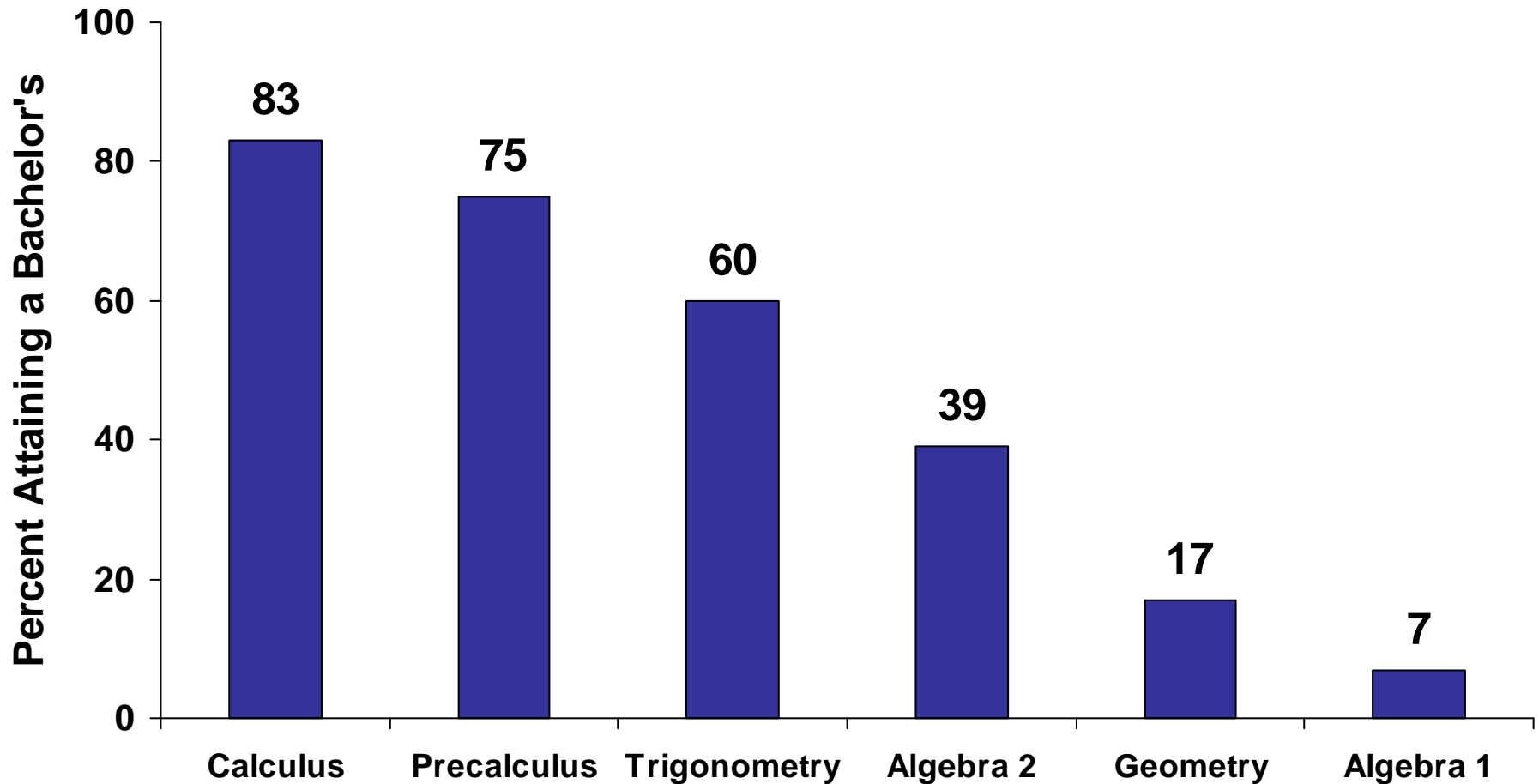


# What is the best predictor of college success? AP Classes

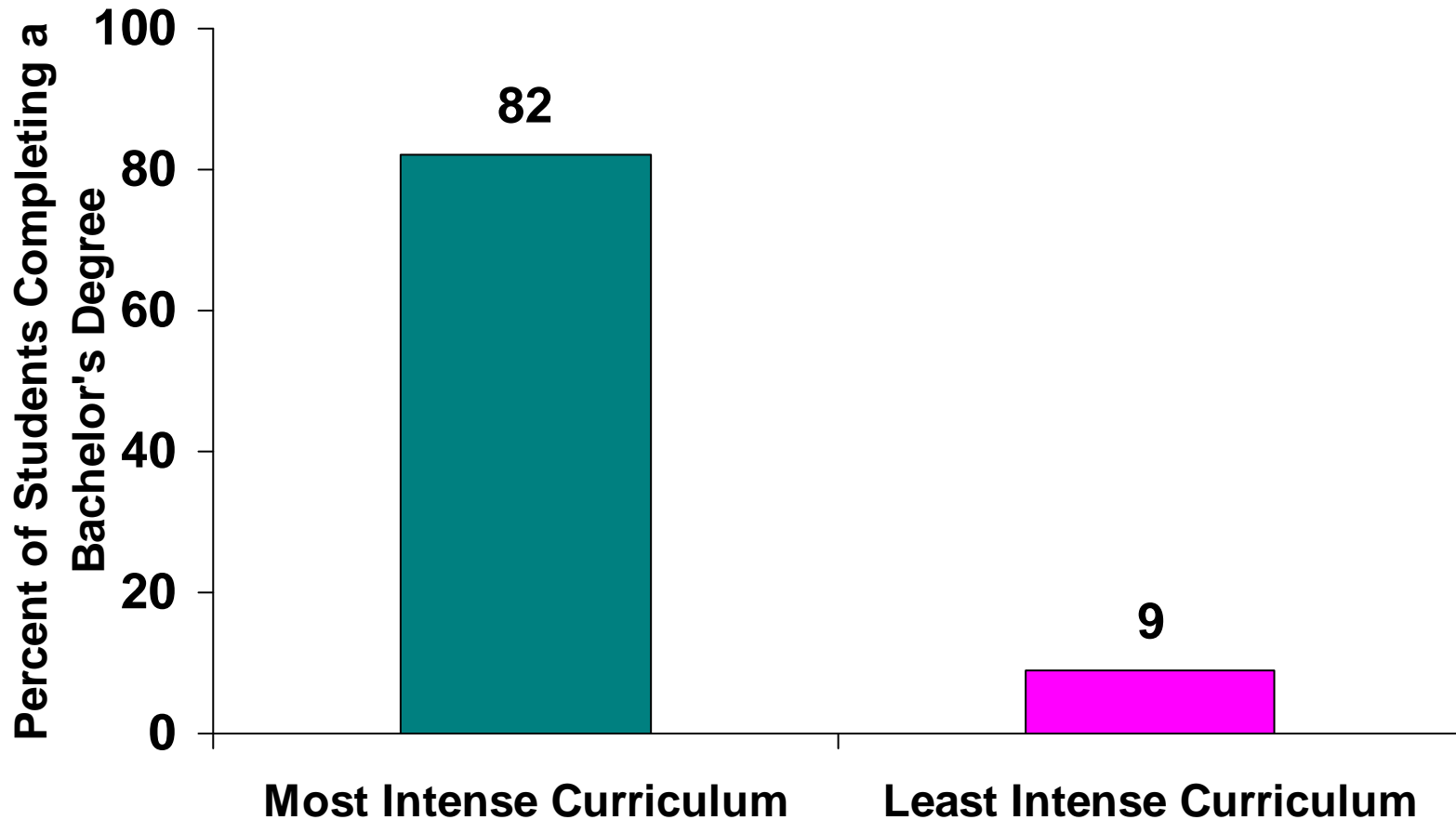
- 26% of all students complete college without an AP course in high school
- 45% of students complete college with 1 AP course
- 61% of students complete college with 2 AP courses
- 76% of all students complete college with 3 AP courses.



# The Highest Level of Math Reached in High School is a Strong Predictor of BA Attainment



# High School Curriculum Intensity is a Strong Predictor of Bachelor's Degree Completion



Curriculum quartiles are composites of English, math, science, foreign language, social studies, computer science, Advanced Placement, the highest level of math, remedial math and remedial English classes taken during high school.



# Rigor all 4 years of high school

## Curriculum

- Rigorous grade level curriculum strongly associated with improved student achievement
- More important than self-esteem as a variable

Source: *Journal of Educational Psychology*. (December 2001).

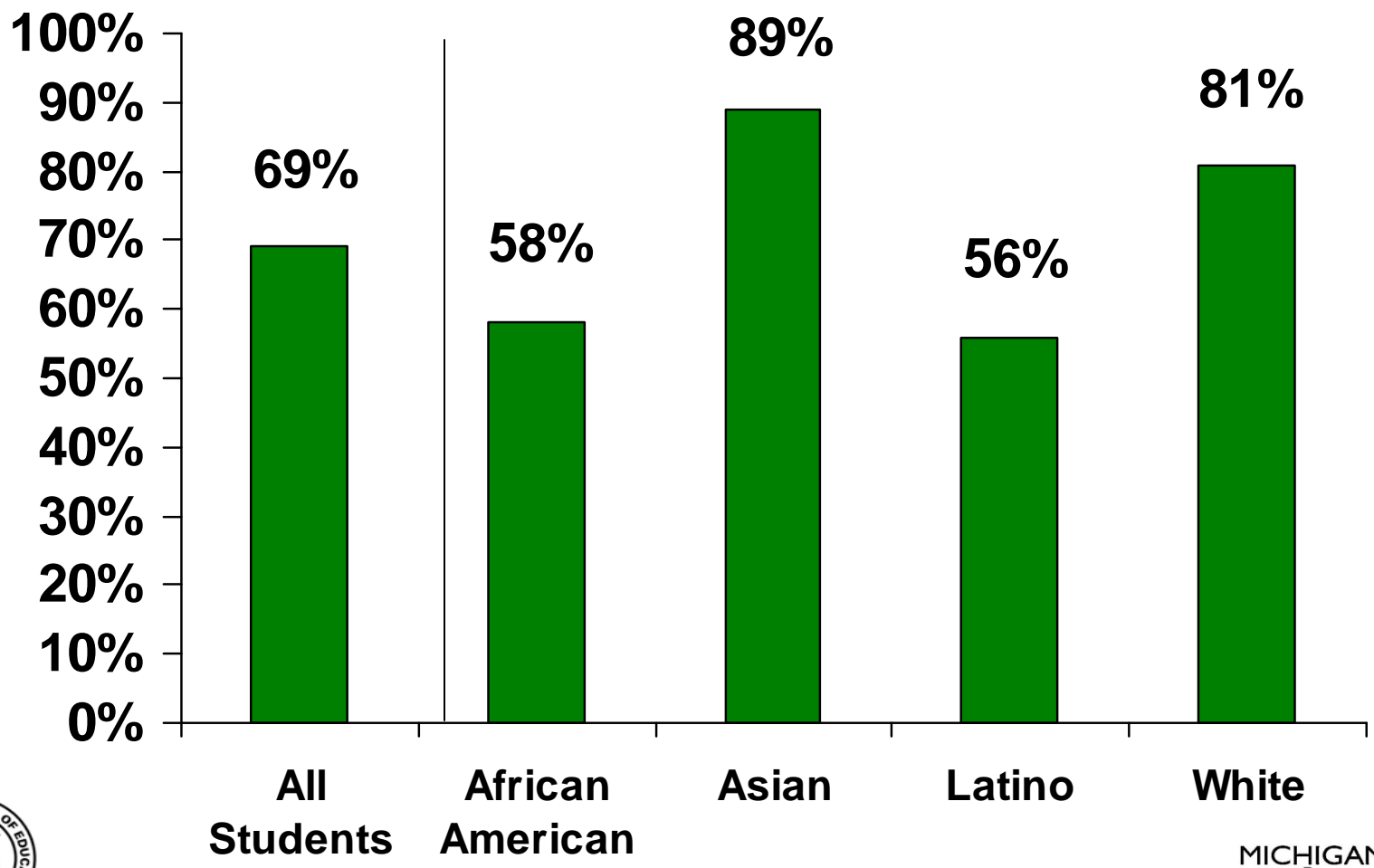


Can we agree that all students  
are capable of reaching high  
standards?



# No Matter What Methodology Is Used, Michigan's Latino & African-American Students Graduate From High

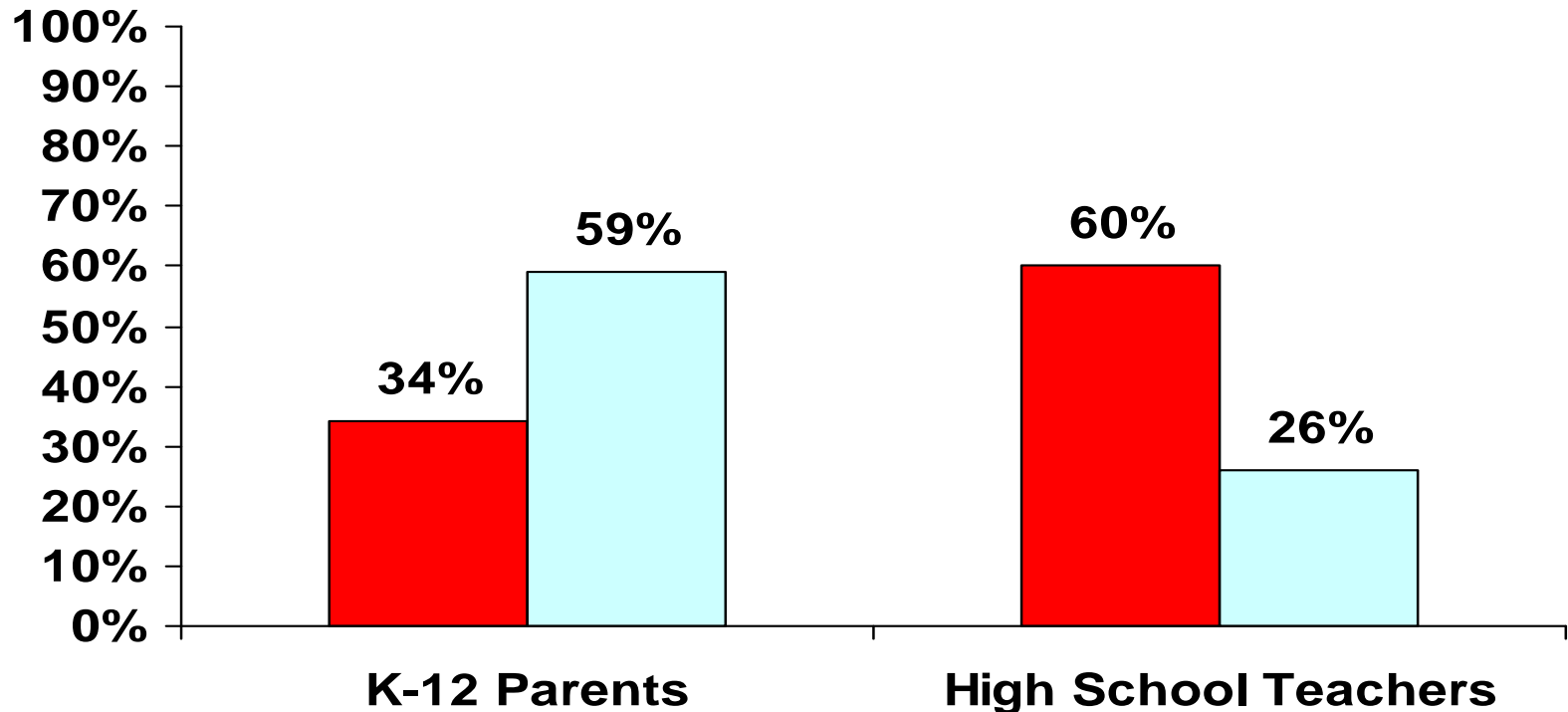
## School In Fewer Numbers Than Their Peers 9<sup>th</sup> graders who graduated four years later, class of 2007



Source: Education Trust-West Analysis of CDE data, using the Manhattan Institute methodology



# Only 26% of High School Teachers Believe All Students Should be Held to Same Standard

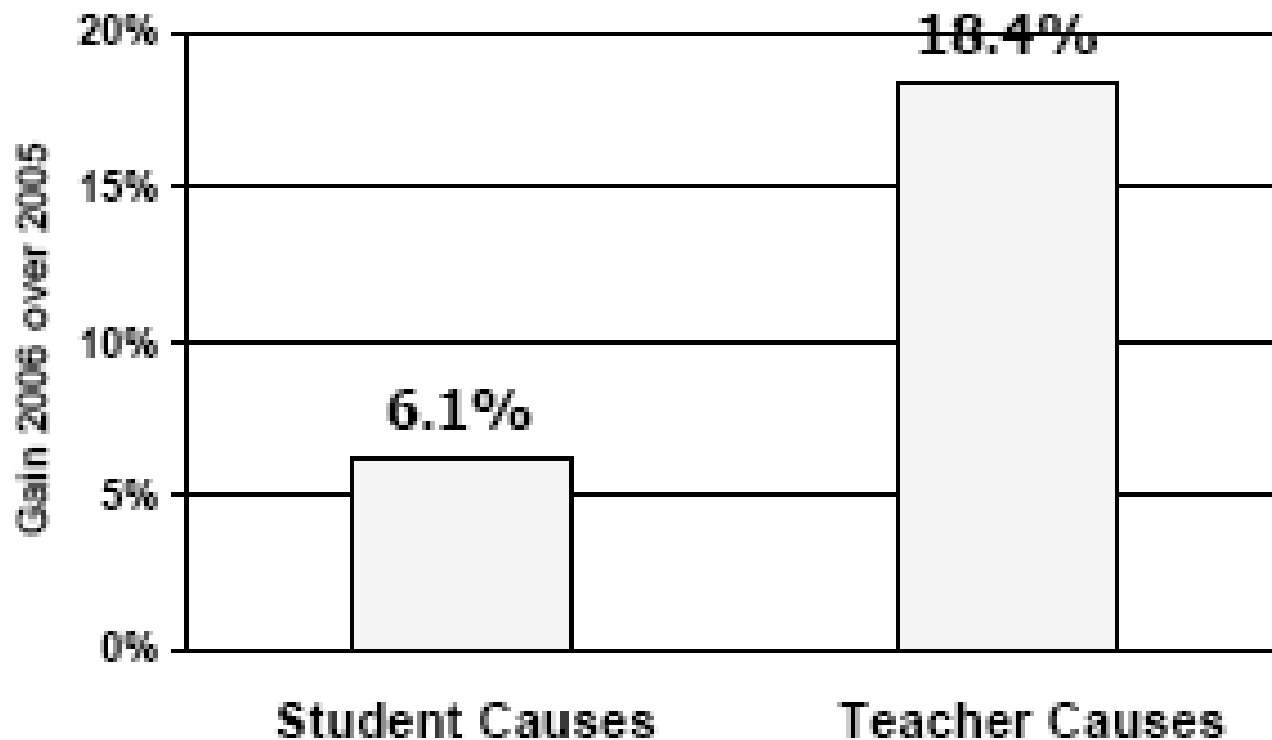


**■ We shouldn't expect disadvantaged students to reach the same level of performance on standardized tests**

**□ All students should be held to same standard**



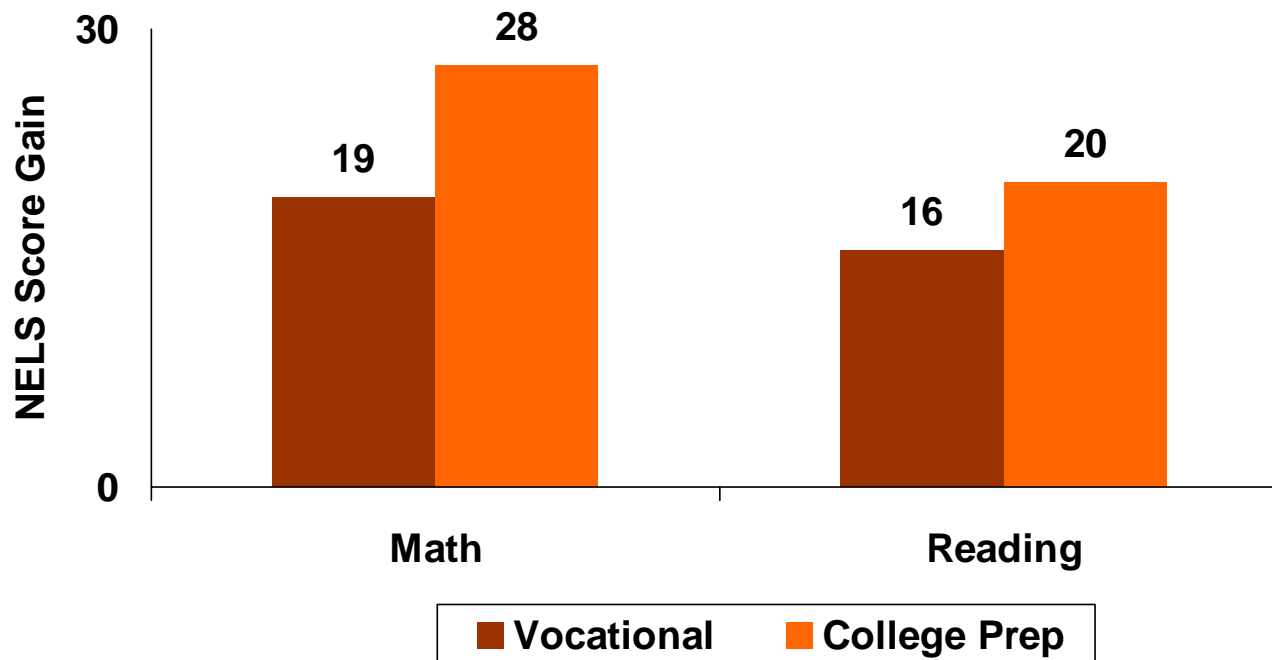
# Your Expectations of Your Professional Efficacy and GAINS



Source: Reeves, D. B. (2007, In press) *Framework for Teacher Leadership*.



# Low Quartile Students Gain More From College Prep Courses\*



\*Grade 8-grade 12 test score gains based on 8th grade achievement.

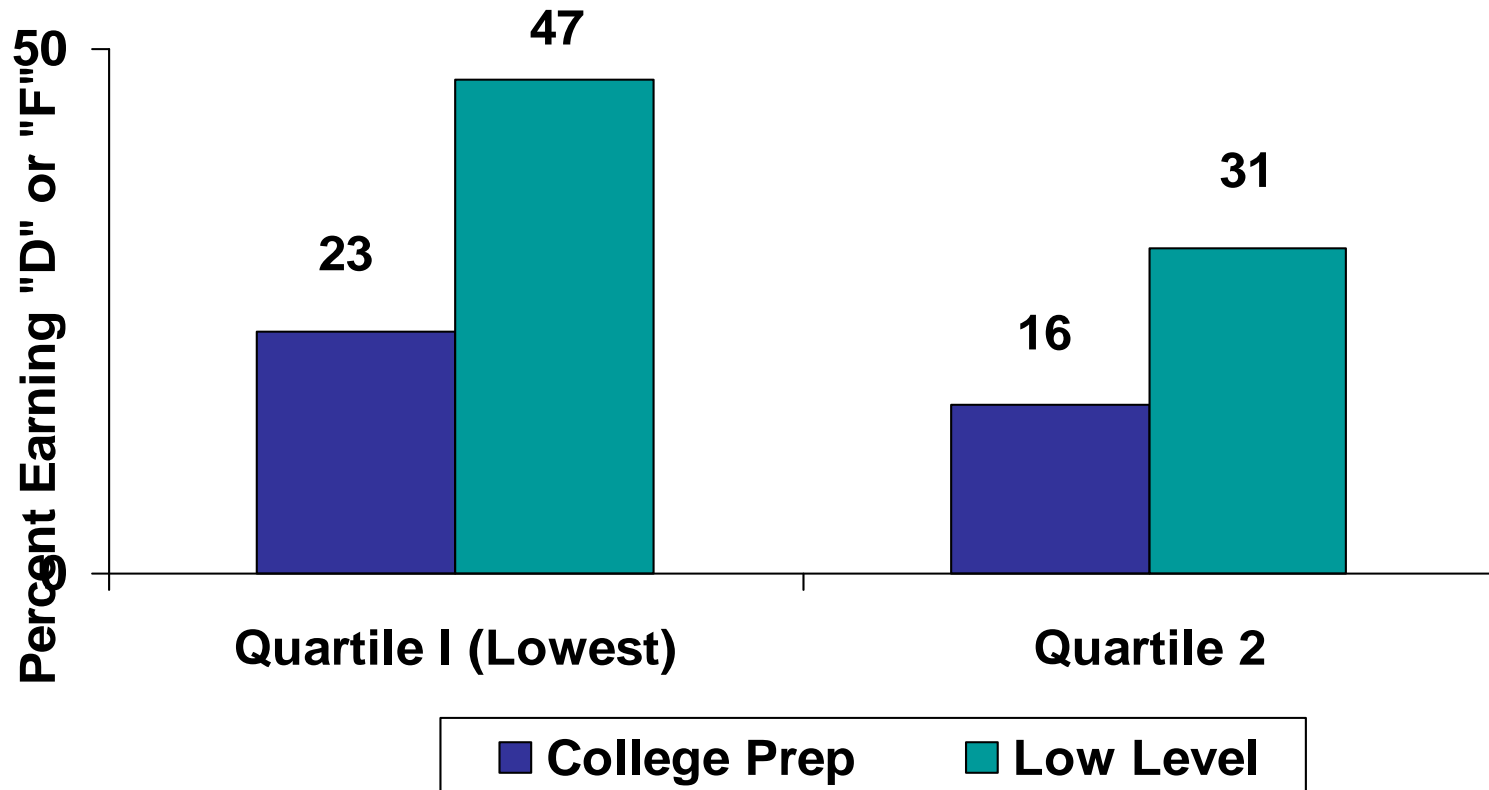


Source: USDOE, NCES, *Vocational Education in the United States: Toward the Year 2000*, in Issue Brief: *Students Who Prepare for College and Vocation*



# Challenging Curriculum Results in Lower Failure Rates, Even for Lowest Achievers

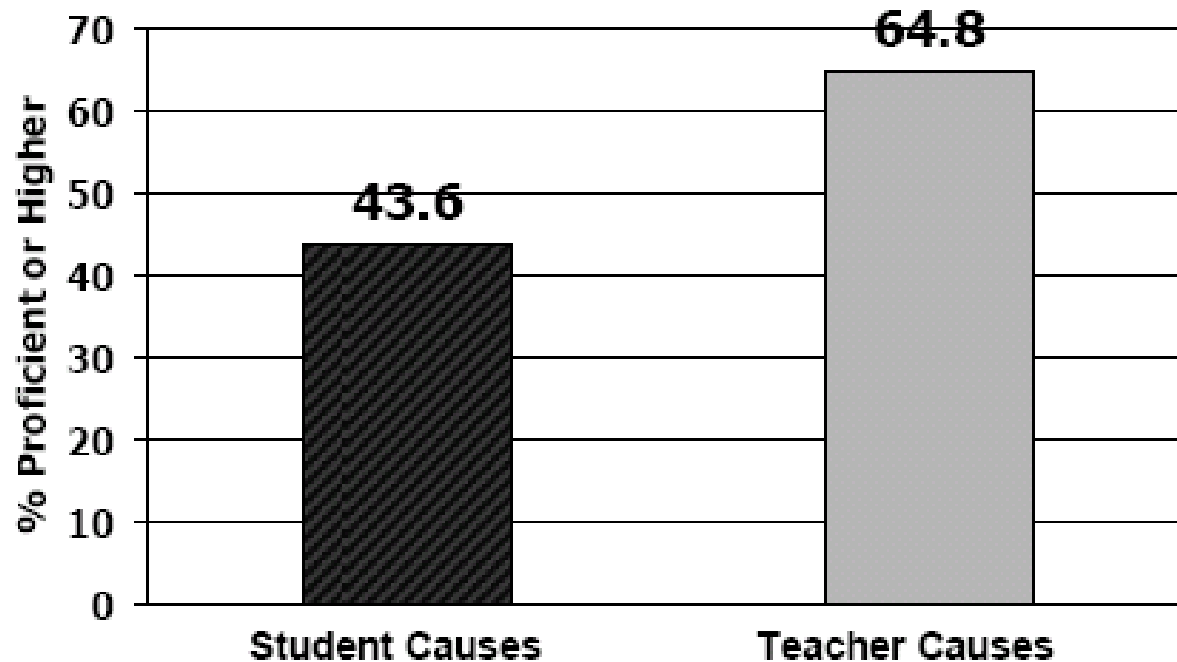
Ninth-grade English performance, by high/low level course, and eighth-grade reading achievement quartiles



What influence has the greatest impact on student achievement?



# If You Think That Teachers and Leaders Influence Student Achievement, You Are Right



Source: Reeves, D. B. (2006). *The Learning Leader*. ASCD.



“The Rivkin, Hanushek, and Kain estimates of teacher performance suggest that having five years of good teachers in a row\* could overcome the average seventh-grade mathematics achievement gap [...].”

\* “1.0 standard deviation above average, or at the 85<sup>th</sup> quality percentile”

SOURCE: Eric A. Hanushek and Steven G. Rivkin, “How to Improve the Supply of High-Quality Teachers,” In *Brookings Papers on Education Policy: 2004*,” Diane Ravitch, ed., Brookings Institution Press, 2004. Estimates based on research using data from Texas described in “Teachers, Schools, and Academic Achievement,” Working Paper Number 6691, National Bureau of Economic Research, revised July 2002.



# What Parents Can Do

- Encourage your student to take academic rigorous classes
- Encourage your student to take AP classes
- Encourage your student to write
- Self discipline and time management are greater indicators than IQ for success in life



# Graduation Requirements (class of 2012)

- 4 years of math (Algebra, Geometry and Algebra 2)
- 4 years of English, (English 9, American Literature, World Lit, (AP, College reading
- 3 years of science (Biology, Chemistry, Physics)
- 2 years of a world language
- 3 years of social studies (civics/econ, US History (AP), World History(AP))
- 1 year of PE
- 1 year of visual, applied arts
- 1 on-line experience

Side note only 70% of current students would have met this expectation

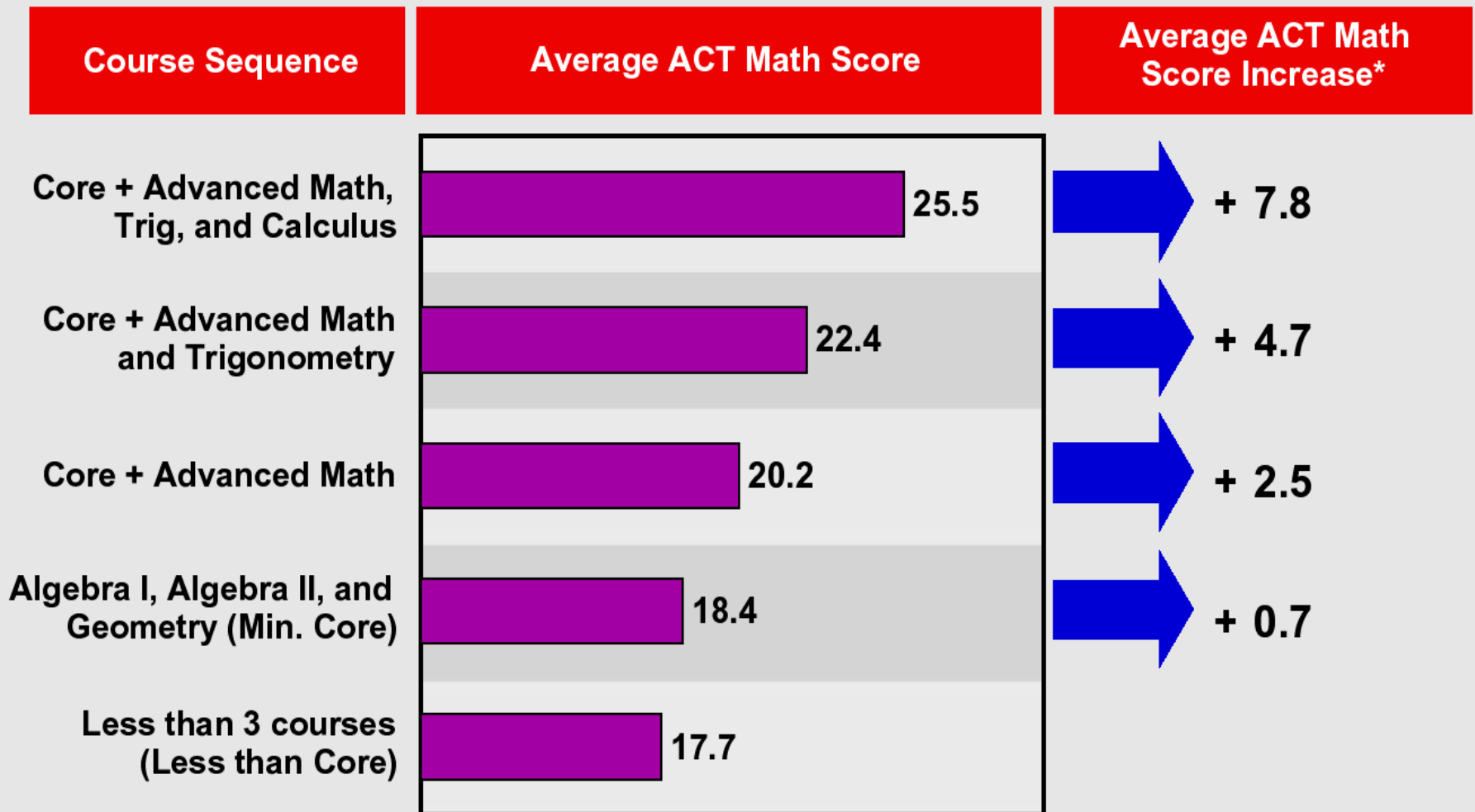


# Graduation Requirements

|                 | <b>Grade 9</b>                | <b>Grade 10</b>               | <b>Grade 11</b>           | <b>Grade 12</b>             |
|-----------------|-------------------------------|-------------------------------|---------------------------|-----------------------------|
| <b>Period 1</b> | <b>English 9</b>              | <b>English 10</b>             | <b>World Lit. (AP)</b>    | <b>Reading/writing (AP)</b> |
| <b>Period 2</b> | <b>Algebra I</b>              | <b>Geometry</b>               | <b>Algebra II</b>         | <b>Pre-Calc</b>             |
| <b>Period 3</b> | <b>Biology</b>                | <b>Chemistry</b>              | <b>Physics</b>            | <b>AP Science</b>           |
| <b>Period 4</b> | <b>Civics/Econ</b>            | <b>US History (AP)</b>        | <b>World History (AP)</b> | <b>Social studies</b>       |
| <b>Period 5</b> | <b>Health/PE</b>              | <b>PE/Elective</b>            | <b>Elective</b>           | <b>Elective</b>             |
| <b>Period 6</b> | <b>World Language</b>         | <b>World Language</b>         | <b>Elective</b>           | <b>Elective</b>             |
| <b>Period 7</b> | <b>Elective/<br/>Elective</b> | <b>Elective/<br/>Elective</b> | <b>Elective</b>           | <b>Elective</b>             |



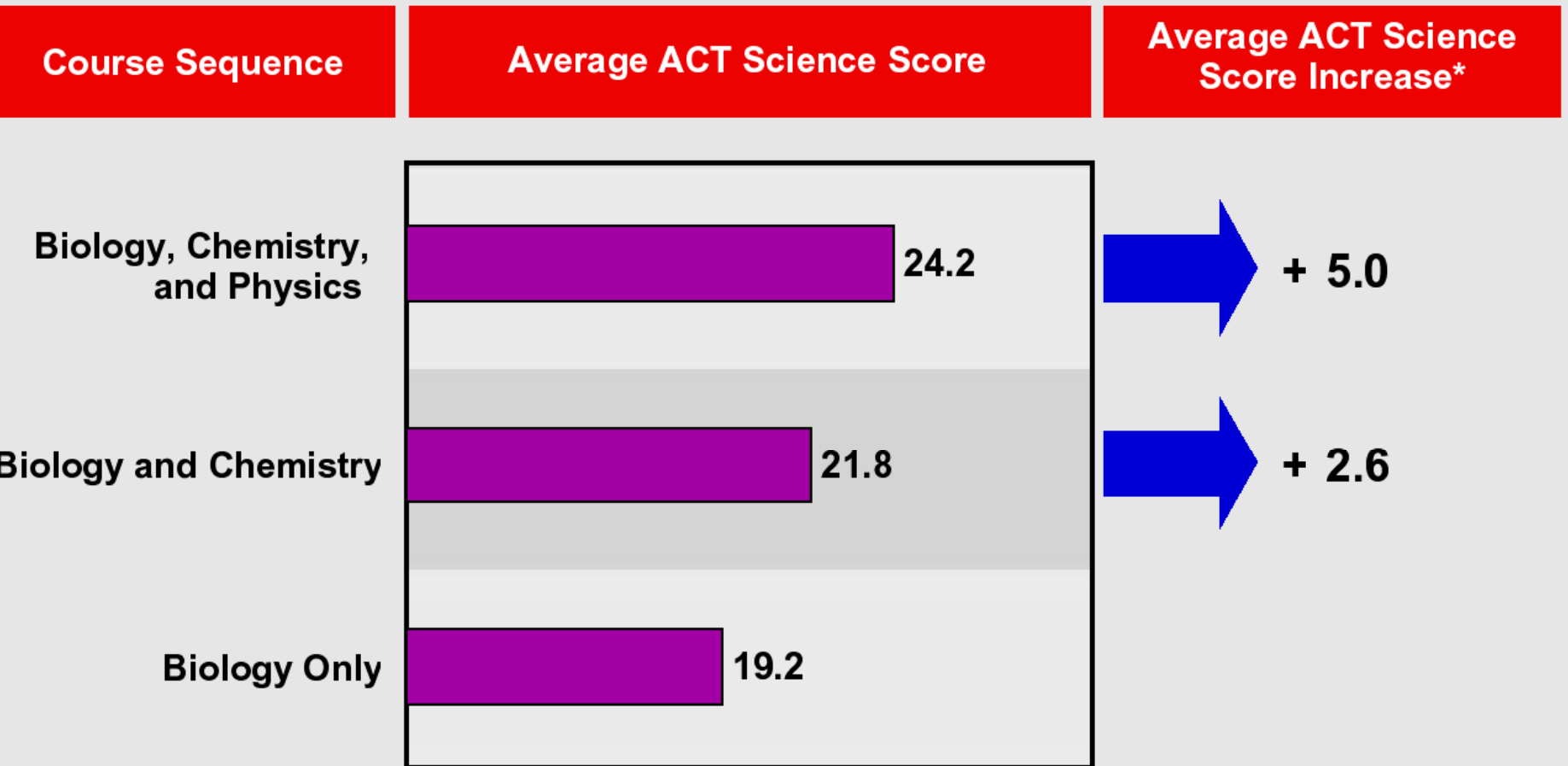
## 2006 Michigan Average ACT Mathematics Test Score Increase by High School Mathematics Course Sequence



\*Increase over taking less than 3 Mathematics courses.

Note: Missing data means an insufficient number of students reported taking that course sequence.

# 2006 Michigan Average ACT Science Test Score Increase by High School Science Course Sequence



increase over taking Biology only.

Note: Missing data means an insufficient number of students reported taking that course sequence.

# Support Classes

- Project RISE
- Algebra Essentials
- Geometry Essentials
- Reading Essentials
- Writing Essentials
- Biology Essentials



# SRT Time

Students are expected to use this time for academics and may include the following:

- Use computer lab
- Use media center
- Make-up tests/quizzes
- Get tutoring help
- Use the time to study
- Use the time to read/write, and complete homework



# PLC Time

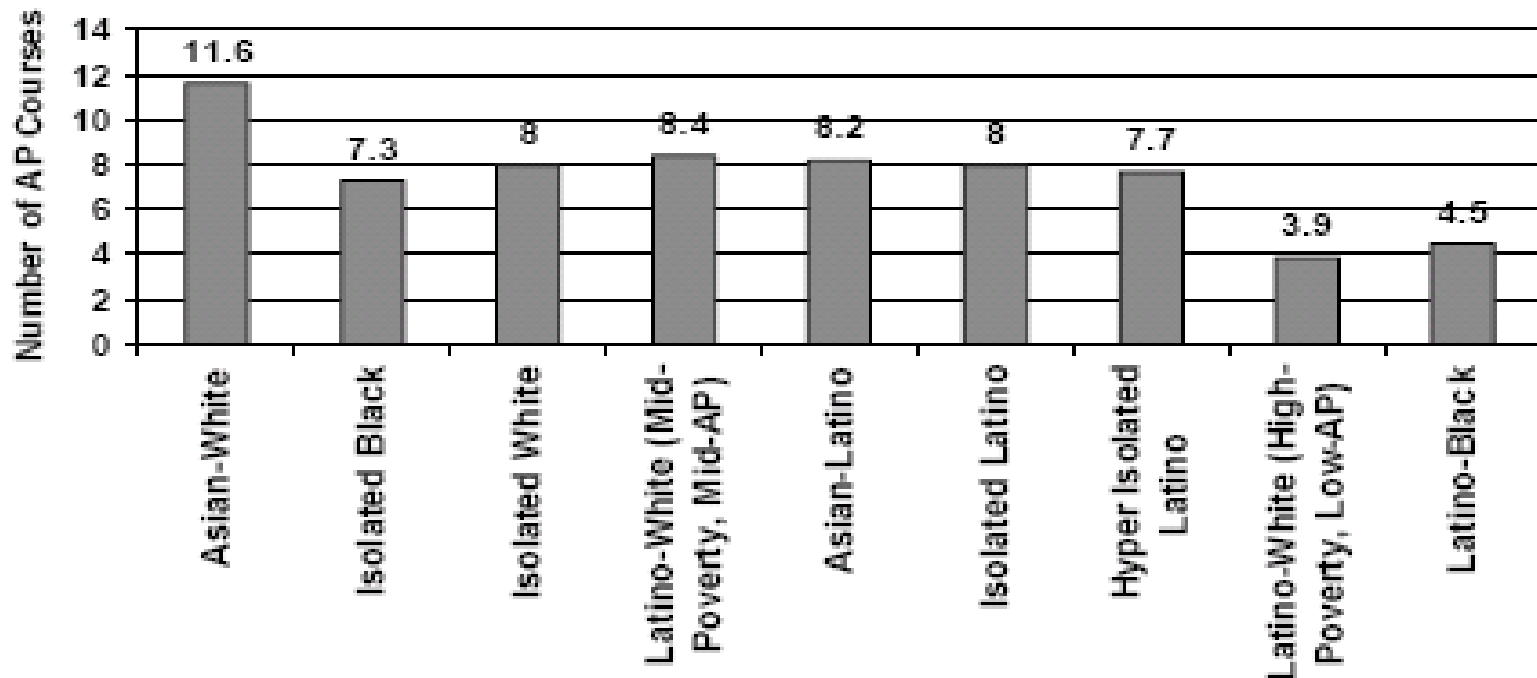
This time occurs 15 times throughout the year. This time is for teachers to work collaboratively together and students will **not** have access to staff

Students are dismissed at 1:00pm and are encouraged to go home. For those students who do not have a ride, they are expected to remain in the cafeteria and use the time as a study hall.



# High Expectations

## How Are College-Level Challenges and High Expectations Linked to Student Ethnicity?



Source: Yun, J. T. & Moreno, J. F. (January-February 2006). "College Access, K-12 Concentrated Disadvantage, and the Next 25 Years of Education Research." *Educational Researcher*, Vol. 35, No. 1, pp. 12-19.

# School Smarts

## **Self-Discipline and Time Management: More Important than IQ**

- *Self-discipline measured accounted for more than twice as much variance as IQ:*
- *Grades*
- *Attendance*
- *Homework*
- *High School Success*
- *Post-Secondary Success*

Source: Duckworth, A. L. & Seligman, M. E. P. (2005, December). *Psychological Science*, p. 949.

# Upcoming events

- September 16
  - Dr. Tim Elmore(leadership)
- October 15
  - Rachel's Challenge



Visit the website for the latest  
information

[www.wlchs.org](http://www.wlchs.org)

