

Lake Forest High School Assessment Report

2009-2010



Board of Education Meeting

December 7, 2010

Overview

- How LFHS has been using data analysis tools
 - ACT results and rankings
 - Open vs Selective Enrollment Schools
 - ACT Gender Comparison
 - ACT Prediction- Class of 2011
 - PLAN – the Pre-ACT
 - Advance Placement Results
 - Prairie State Achievement Exam (PSAE)
 - Criteria Used in Ranking Systems
 - PSAE - Day 1 & Day 2 tests
 - College Readiness of LFHS Students
 - Adequate Yearly Progress
 - Summary & Highlights
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Data Analysis Tools

1. Provides instant access to a student's transcript and test performance records
 2. Access to reports on student and school performance
 3. Provides class comparisons and school-wide performance with drill-down to students, concepts and standards
 4. Graphs and charts make it easy to target assistance, measure progress, and inform decisions
 5. Helps us in pinpointing instructional remediation
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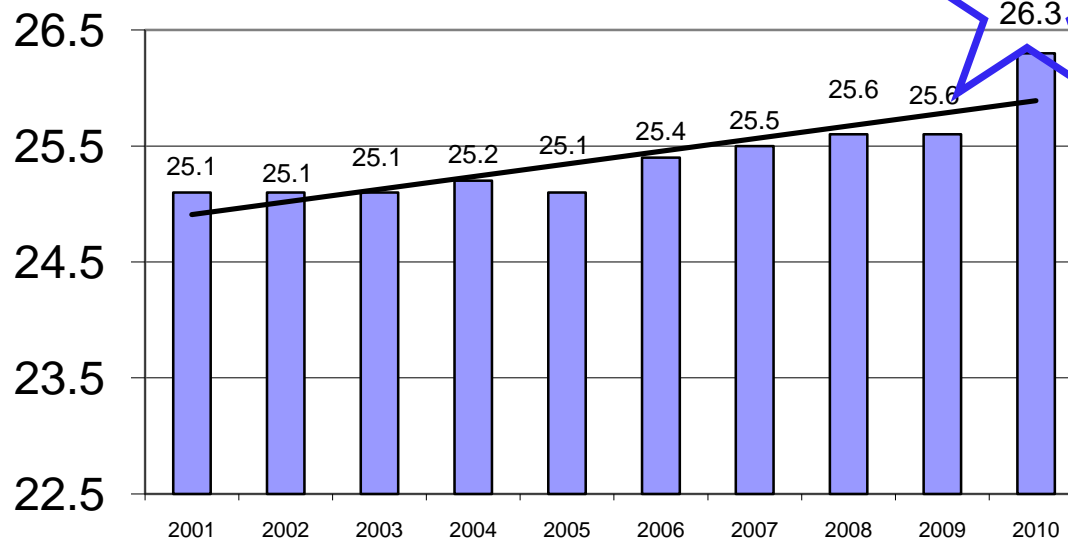
LFHS - ACT

ACT

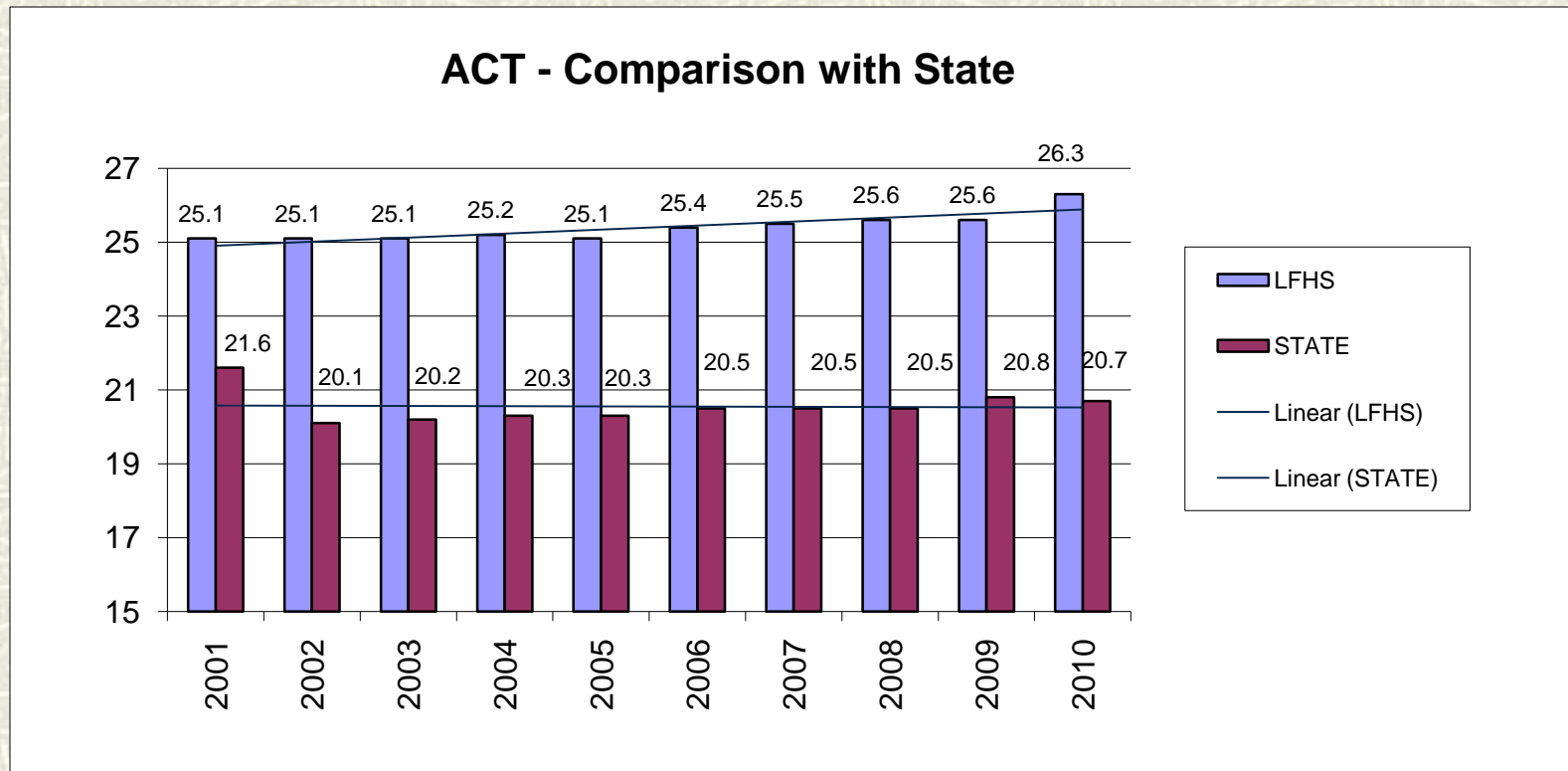
- English
 - Reading
 - Math
 - Science
 - Composite
-

LFHS - ACT Scores

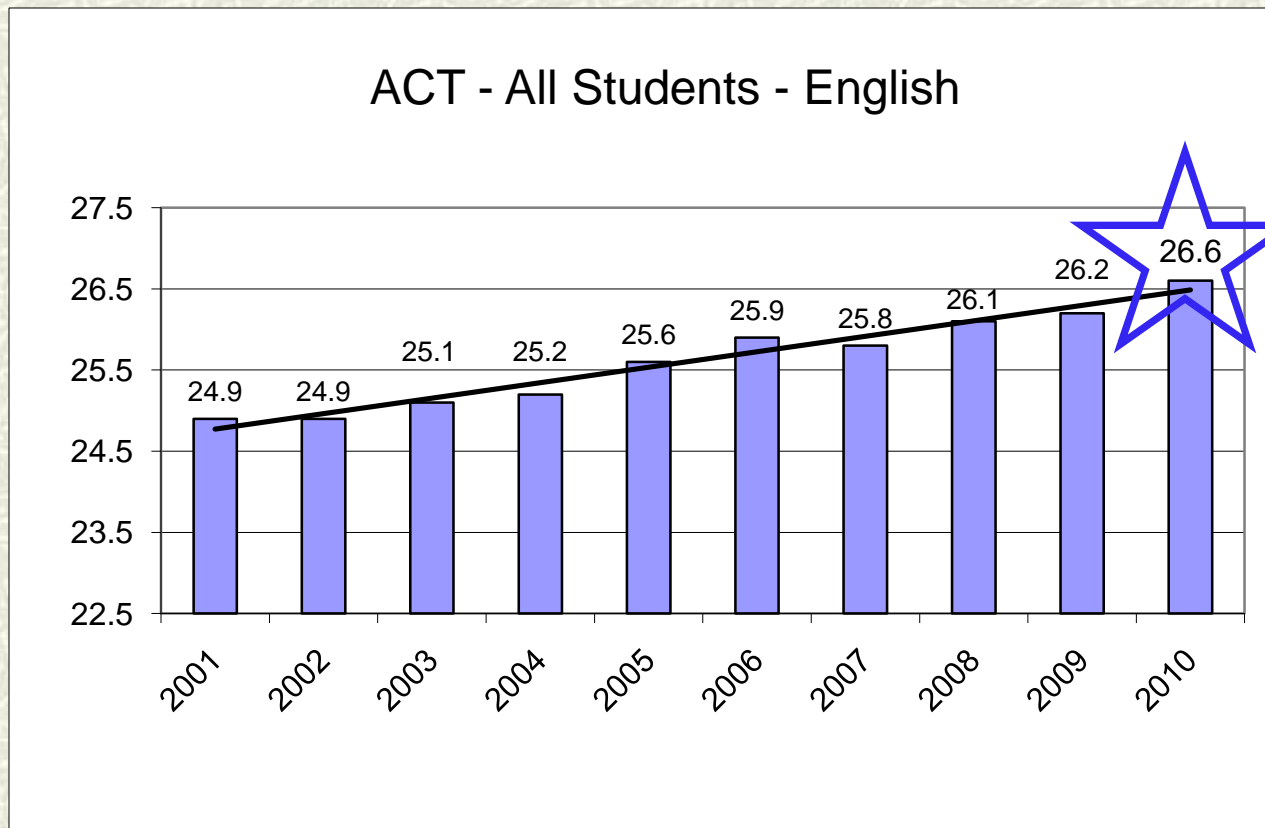
ACT - All Graduates - Composite



LFHS - ACT Scores

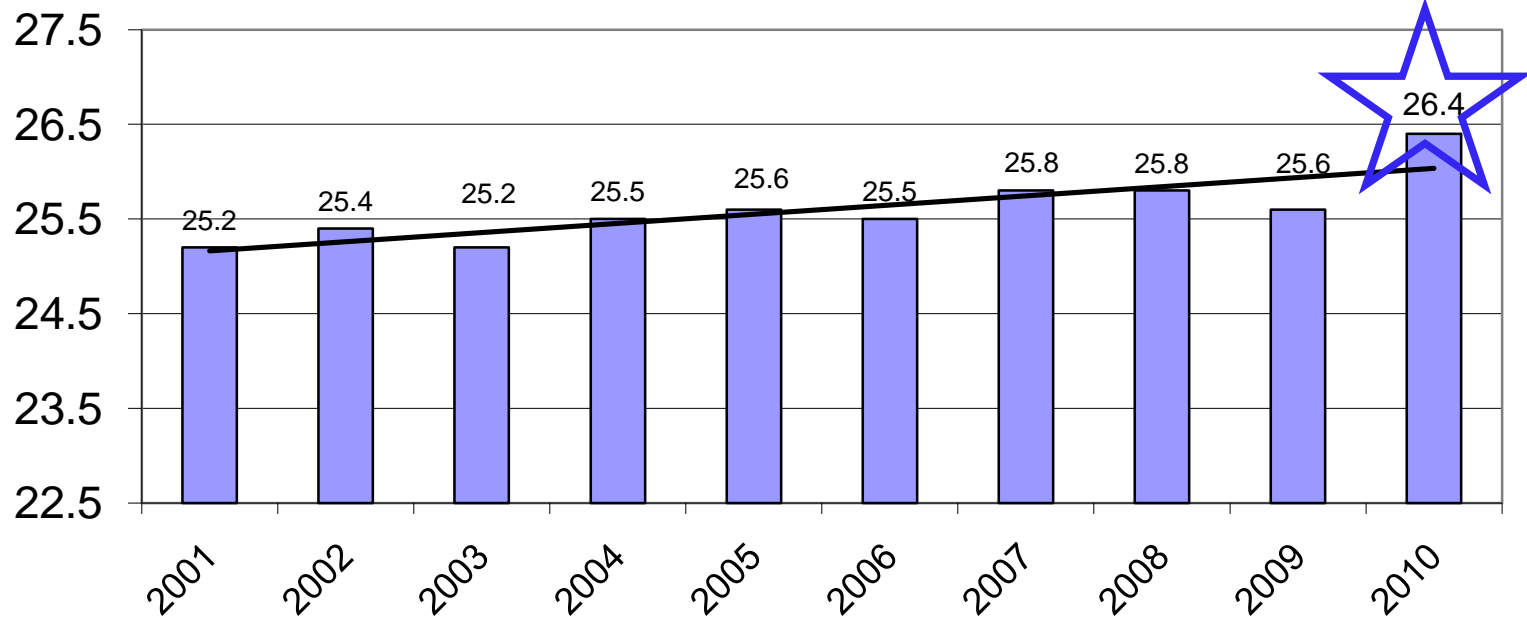


LFHS - ACT Scores



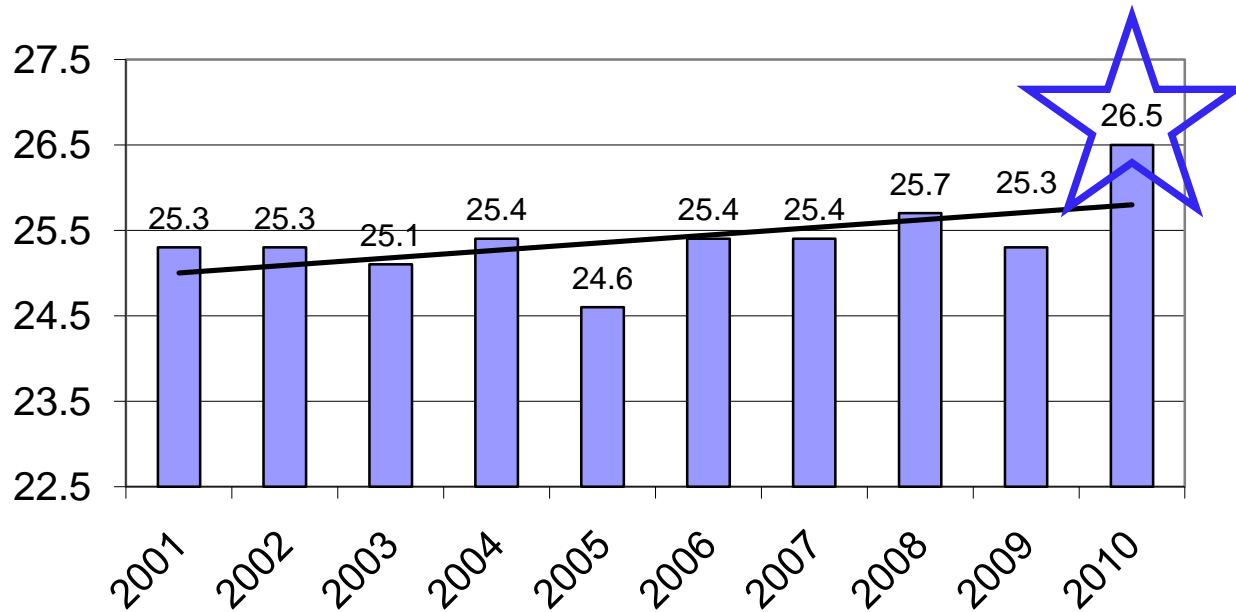
LFHS - ACT Scores

ACT - All Students - Reading

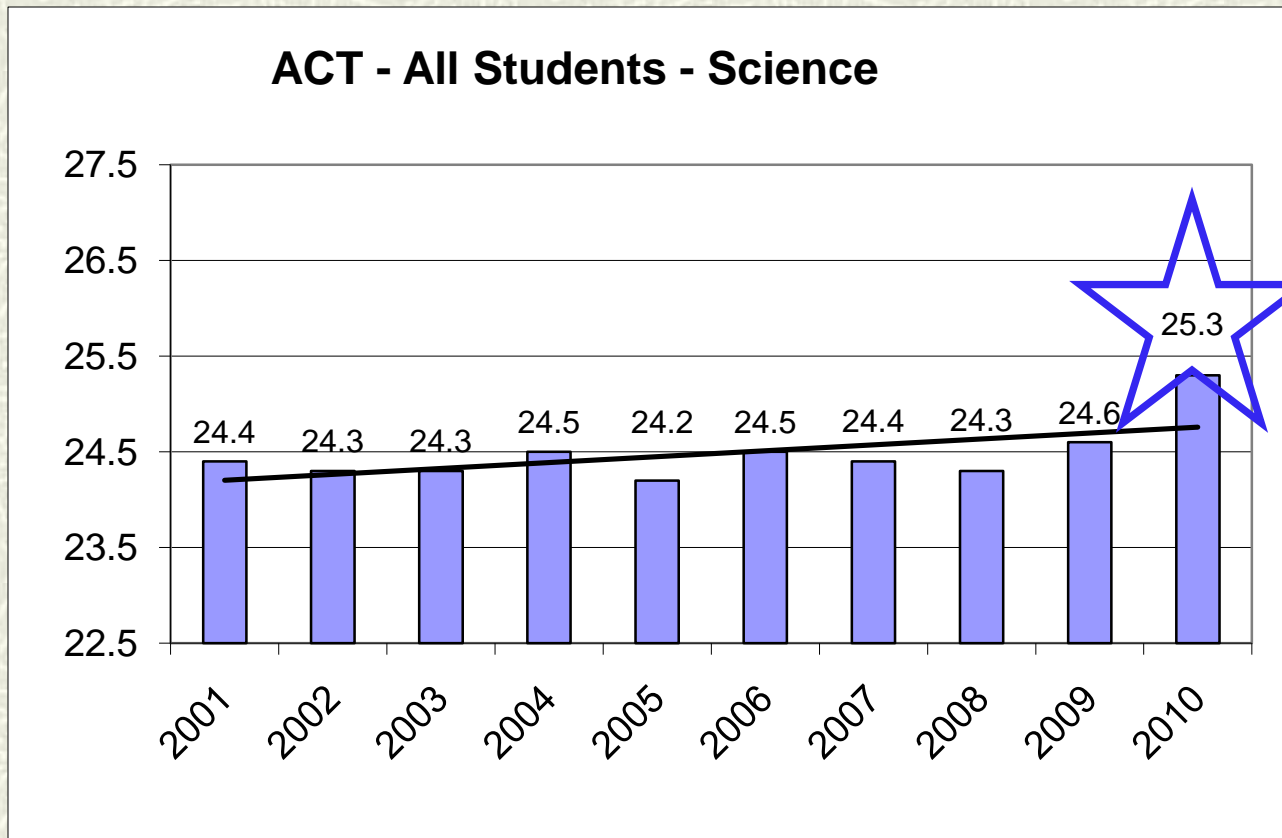


LFHS - ACT Scores

ACT - All Students -Math



LFHS ACT Scores



Open vs. Selective Enrollment Schools

Open Enrollment: Accepts everyone from the district

Selective Enrollment: Acceptance based upon satisfying the admission criteria of the school.

CPS Selective School Admissions

Selective-enrollment schools

1 Schools fill 30 percent of the seats by selecting applicants with the highest **composite score**, determined by grades, standardized test scores and results from an admissions test. The maximum score is 900.

SCORES

895
892
881
874
865
855
841
834
832
827
825
819
810
805

805
801
795
788
774

2 The remaining applicants are placed into a similar socioeconomic tier structure as magnet schools.



3 Selection: An equal number of students are selected from each tier. The selected applicants have the highest composite scores in their tier.

Equal numbers from each tier picked based on the highest scores



SOURCE: CPS

Top ACT performance

1. Northside College Preparatory High School	29.3
2. Payton College Preparatory High School	28.5
3. New Trier Township High School	27.2
4. Hinsdale Central High School	26.5
5. Young Magnet High School	26.4
6. Lake Forest High School	26.3
6. Deerfield High School	26.3
8. Adlai E Stevenson High School	26.2
9. Libertyville High School	25.3
10. Glenbrook North High School	25.2
10. Highland Park High School	25.2
10. Naperville North High School	25.2

Red = Selective Enrollment School

Top ACT performance*

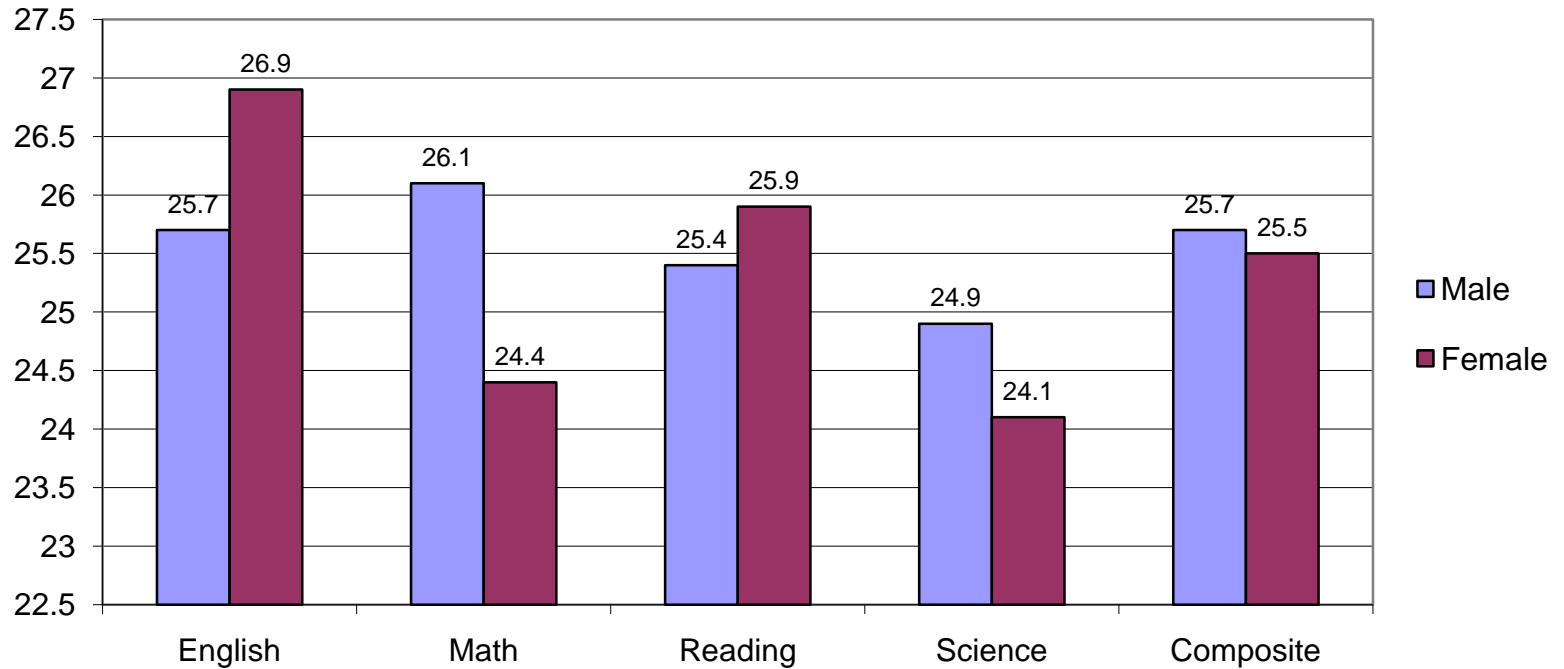
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3. Deerfield High School	26.3
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6. Libertyville High School	25.3
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7. Highland Park High School	25.2
7. Naperville North High School	25.2

Chicago Tribune 10/29/2010

*Open Enrollment Schools

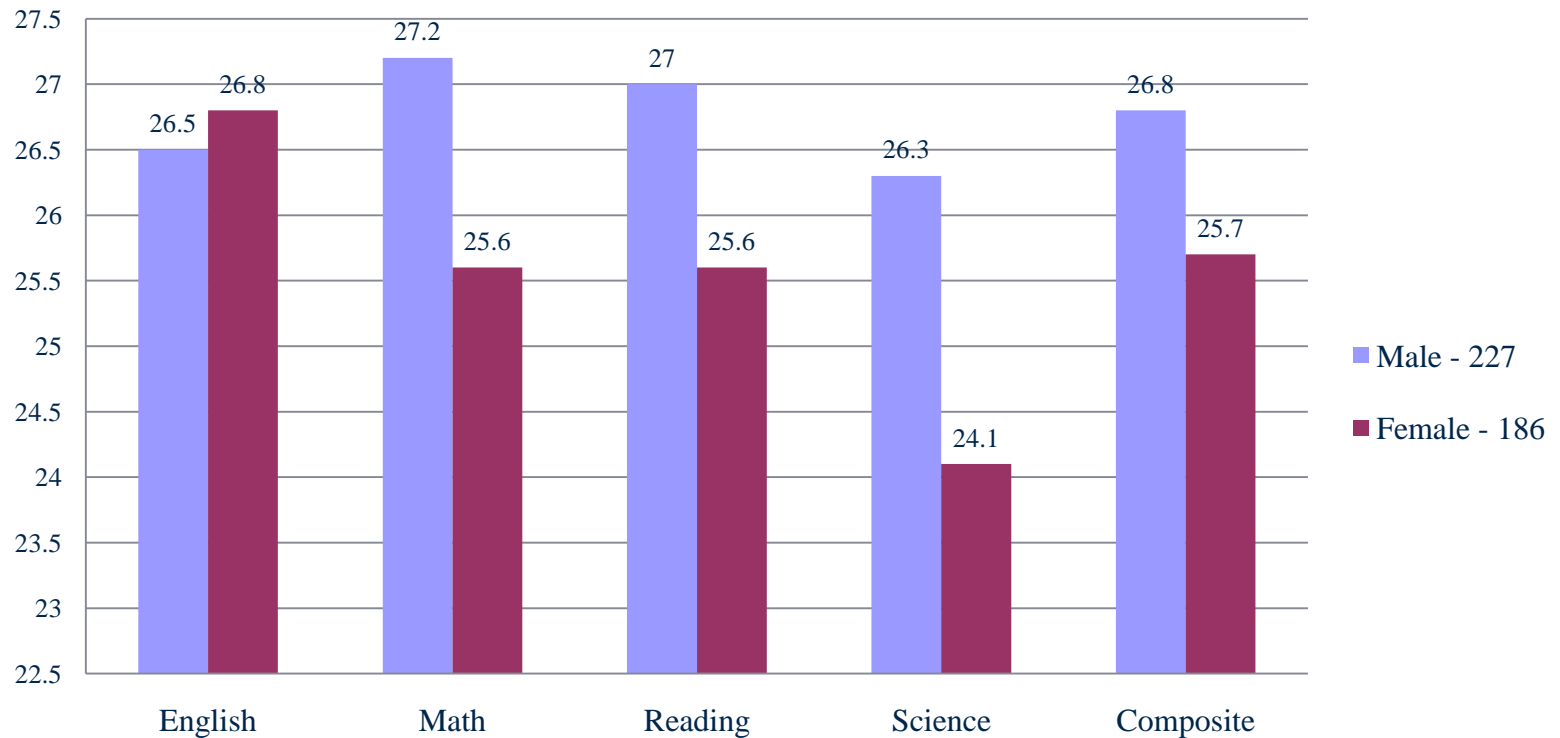
LFHS - ACT Scores

**Gender Comparison
Class of 2009**

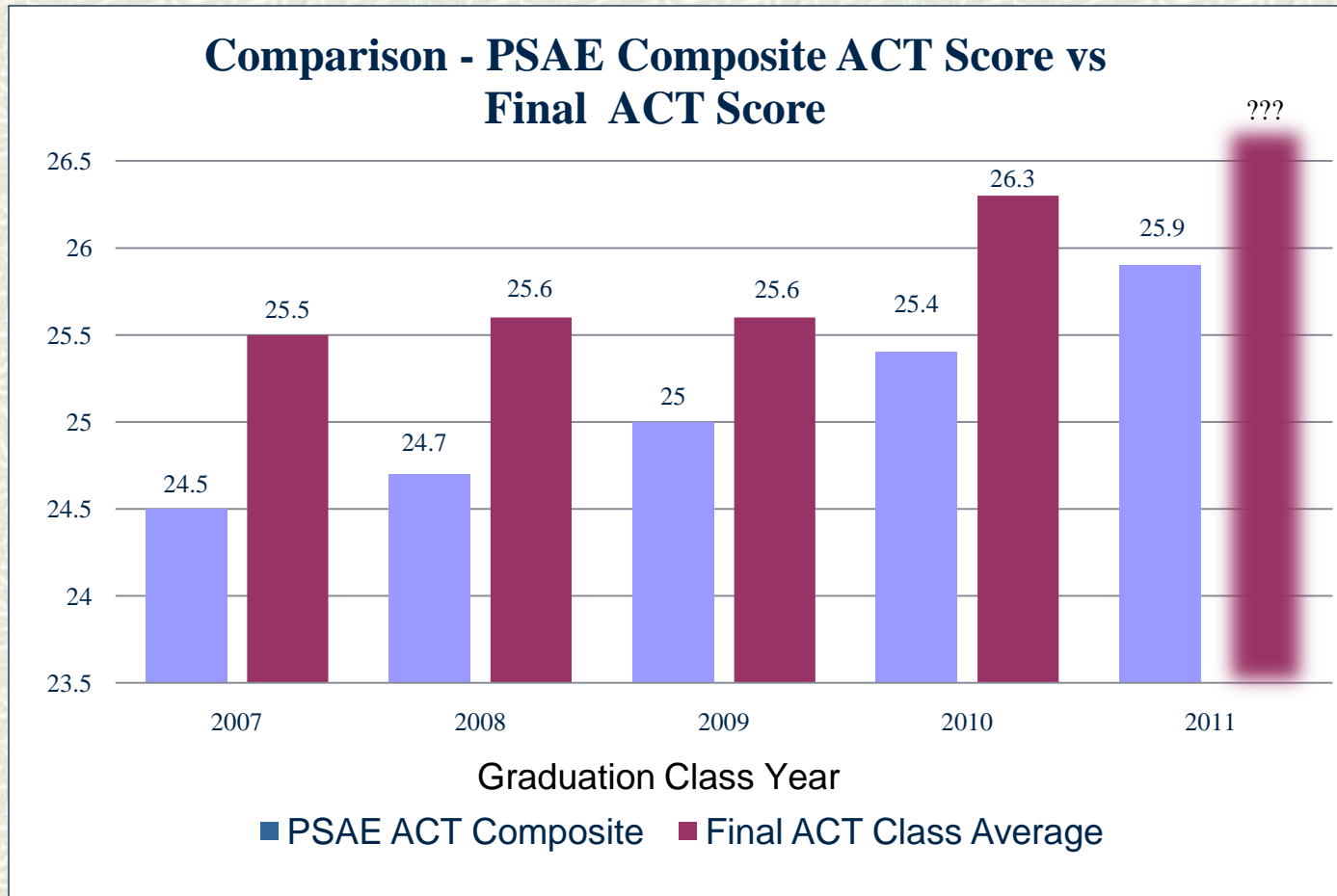


LFHS - ACT Scores

**Class of 2010
Gender Comparison**

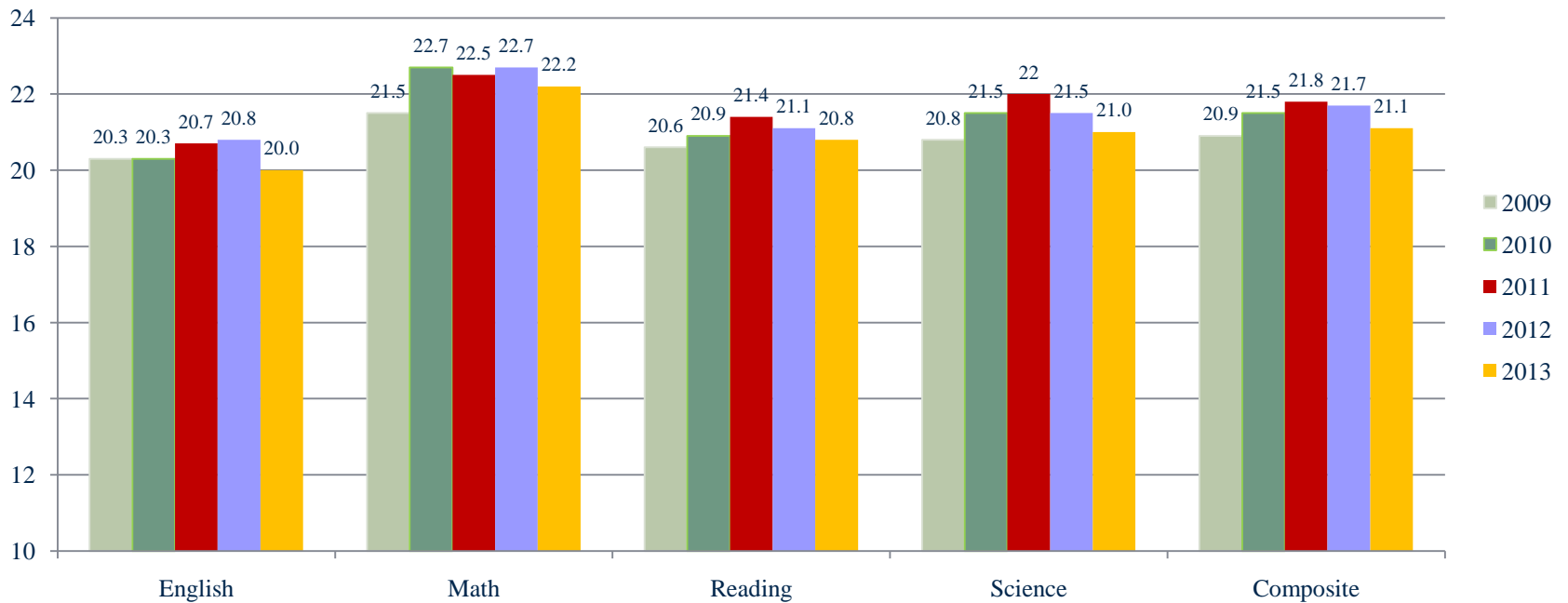


LFHS ACT Scores



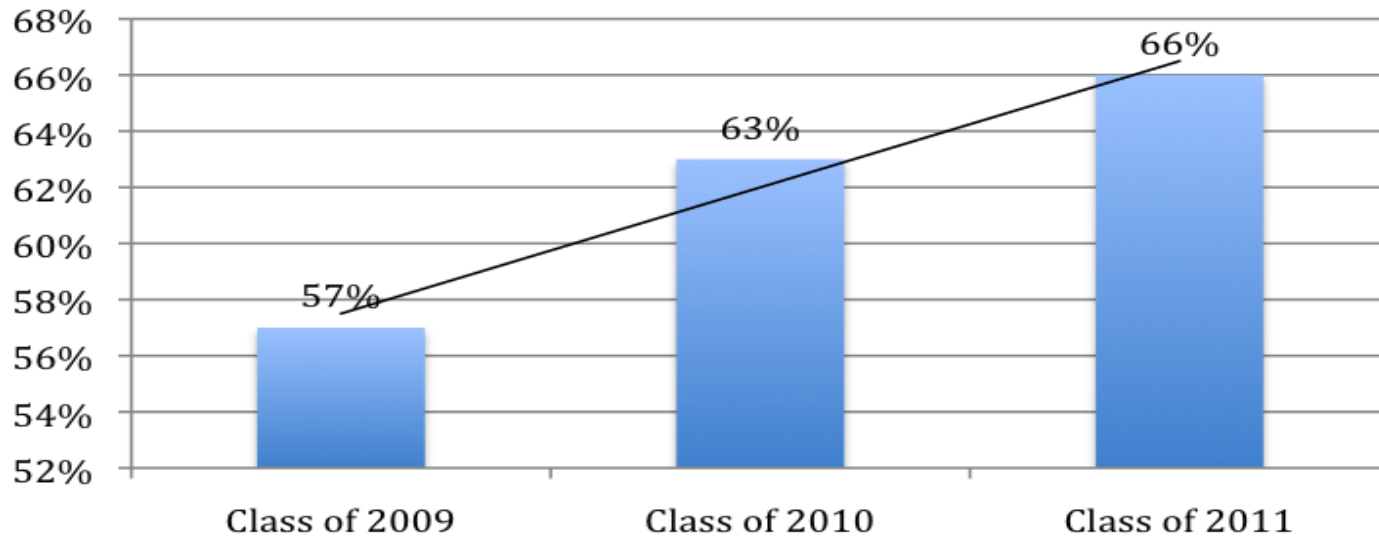
Plan Exam – A *Pre-ACT* Exam

Sophomore Plan Exam for Classes of 2009 Through 2013



Using Plan Data

**Math: Percentage of Students Meeting/Exceeding
PSAE Standards, Subset (Students <20 on PLAN)**



LFHS - Advanced Placement

College Board Sponsored Courses

Art History

- * Biology
- * Calculus AB
- * Calculus BC
- * Chemistry
- Chinese Language
- * Computer Science A
- * Computer Science AB
- * Macroeconomics
- * Microeconomics
- * English Language
- * English Literature

* Environmental Science

- * European History
- * French Language
- French Literature
- * German Language
- * Govt. and Politics Comparative
- * U.S. Gov't & Politics
- Human Geography
- Italian Language
- Latin Literature
- * Latin: Virgil

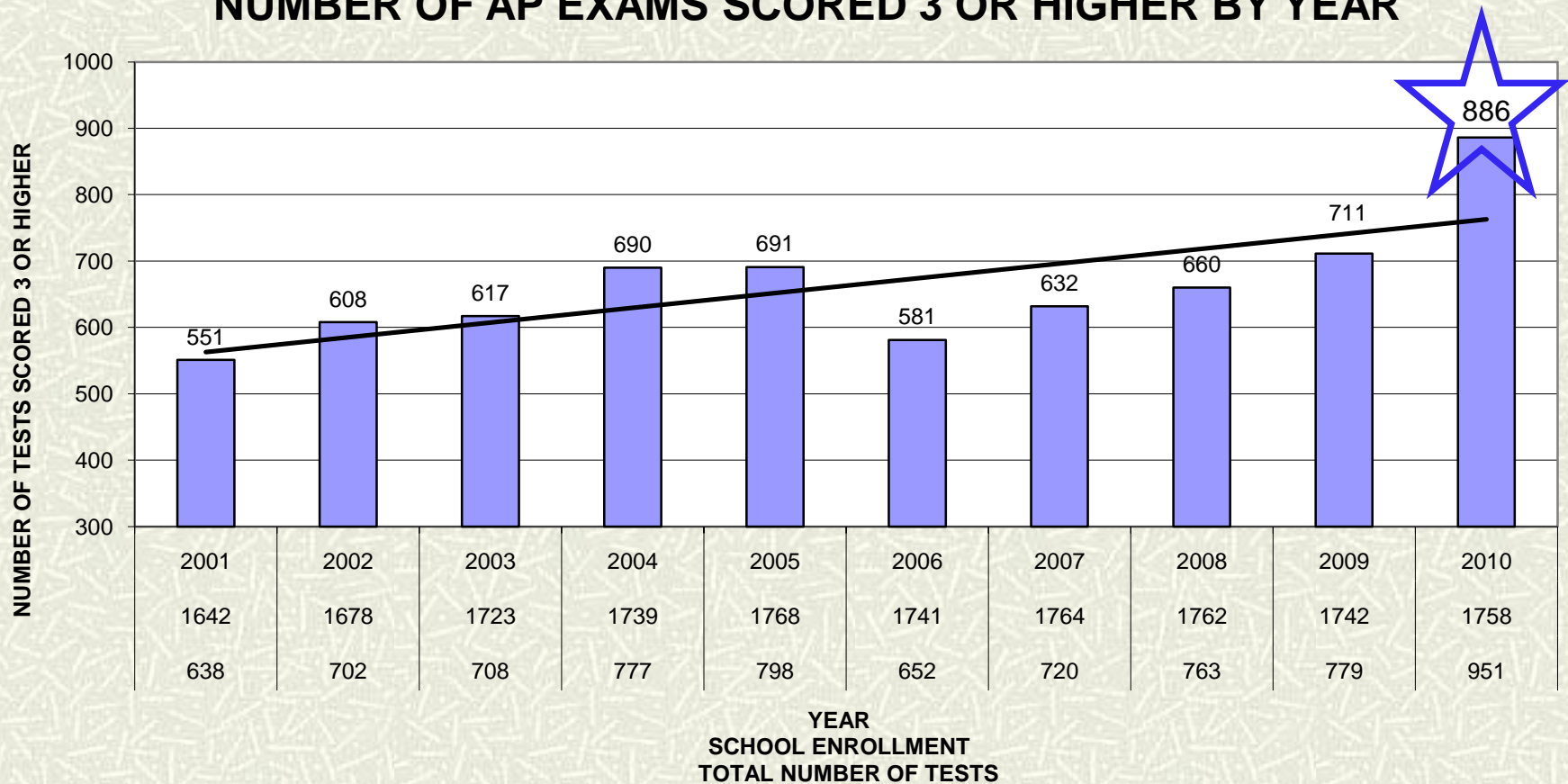
Japanese Language

- * Music Theory
- * Physics B
- * Physics C
- * Psychology
- * Spanish Language
- Spanish Literature
- * Statistics
- * Studio Art
- * U.S. History
- * World History

*Taken by LFHS students in 09-10

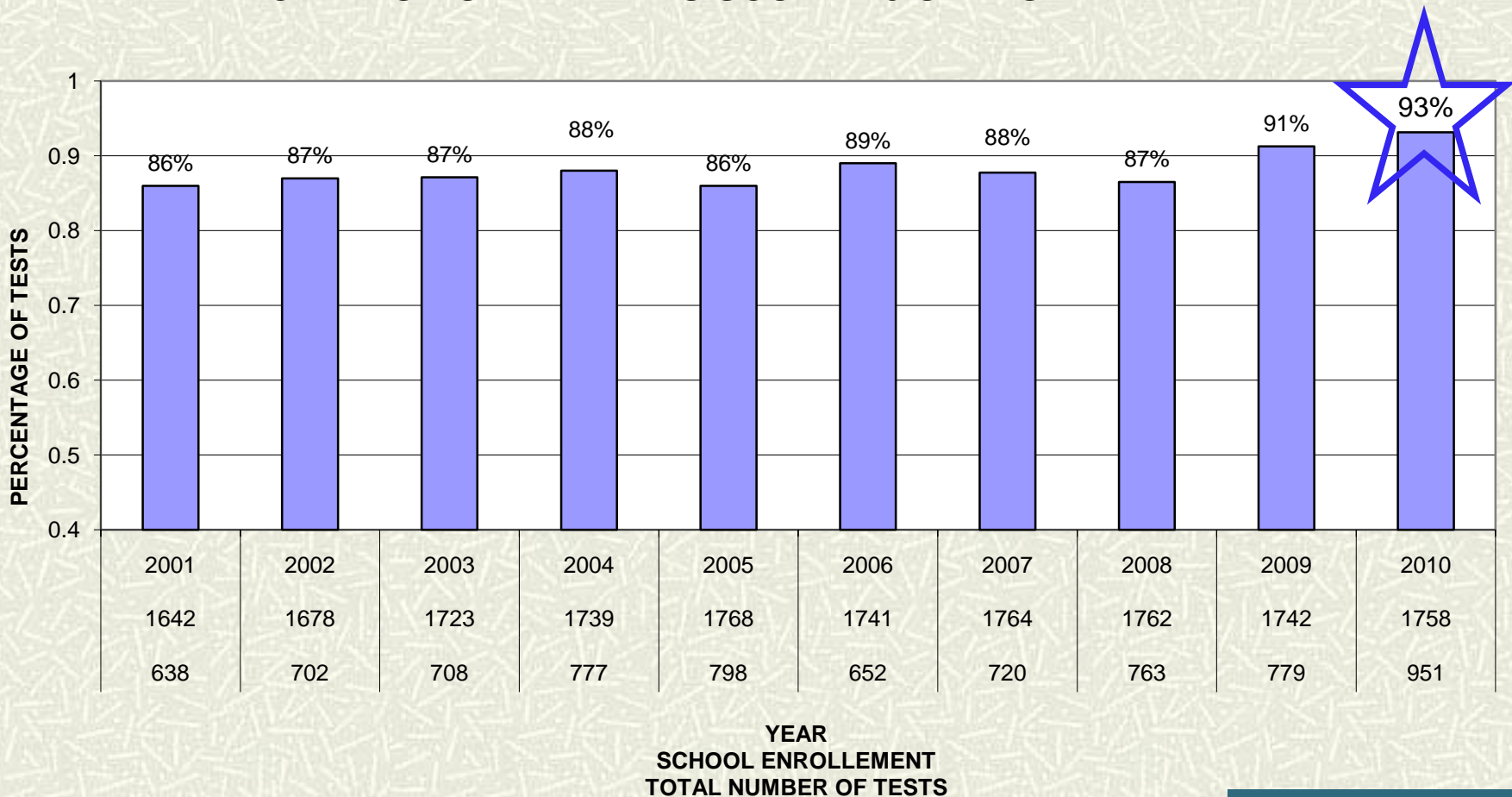
LFHS - Advanced Placement

NUMBER OF AP EXAMS SCORED 3 OR HIGHER BY YEAR



LFHS - Advanced Placement

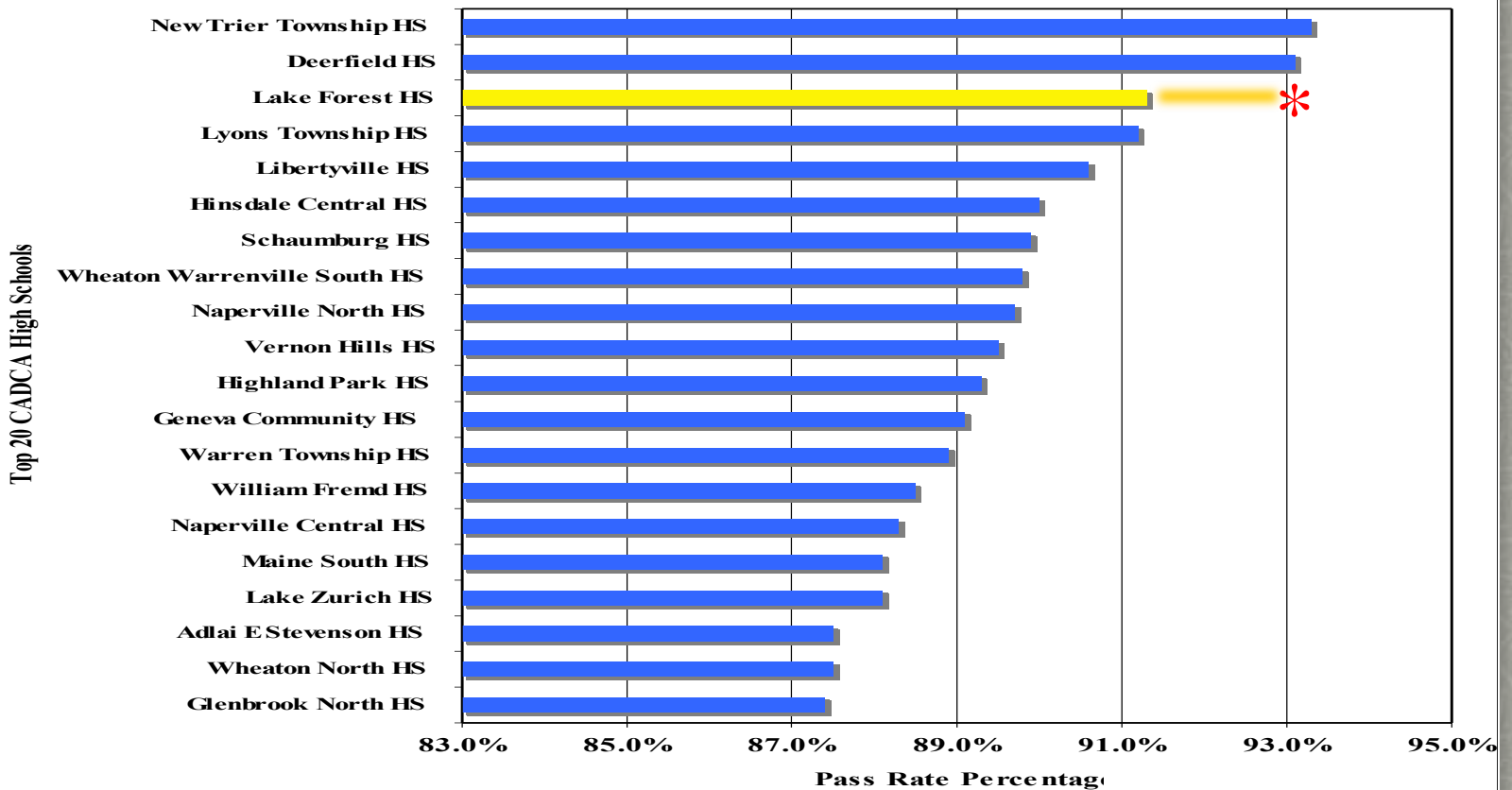
PERCENTAGE OF AP EXAMS SCORED 3 OR HIGHER BY YEAR



2009 AP Exams

Percentage of Students with 3 or Higher

Percentage of Students with 3, 4, 5's on AP Exams 2009



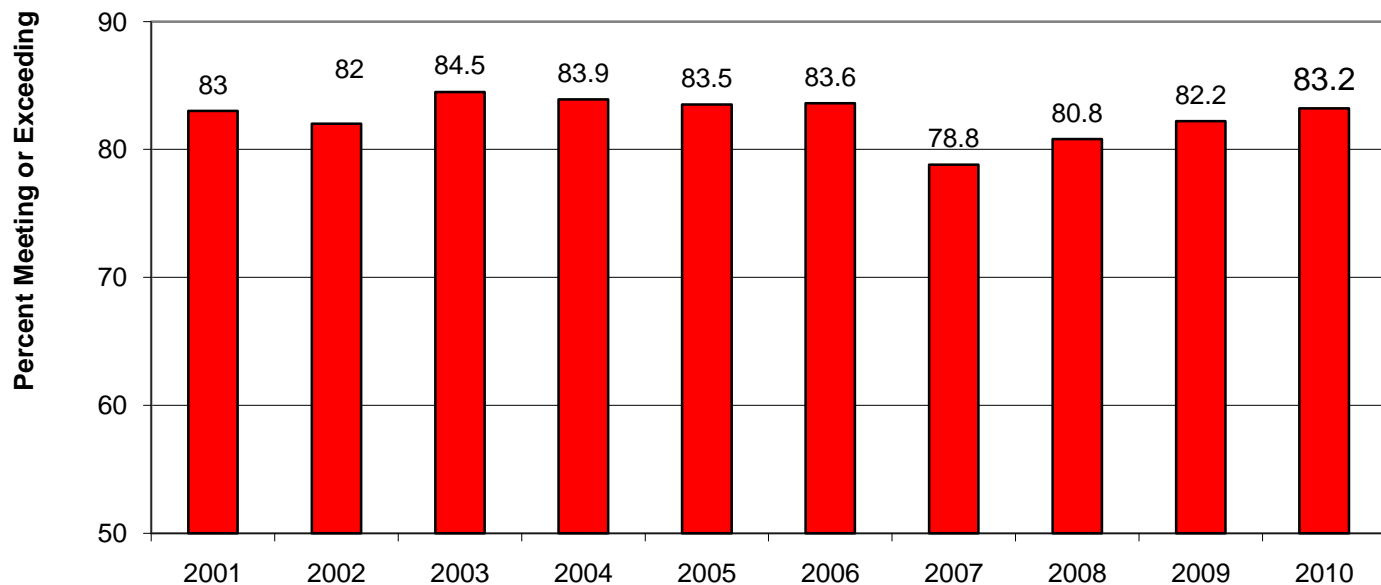
LFHS - Prairie State Achievement Exam

- Measures student achievement relative to the Illinois Learning Standards
- ACT and Work Keys exams used to measure Reading and Mathematics
- ACT and state developed exams used to measure science
- Social Science was not tested since 2004
- Writing re-introduced in 2007

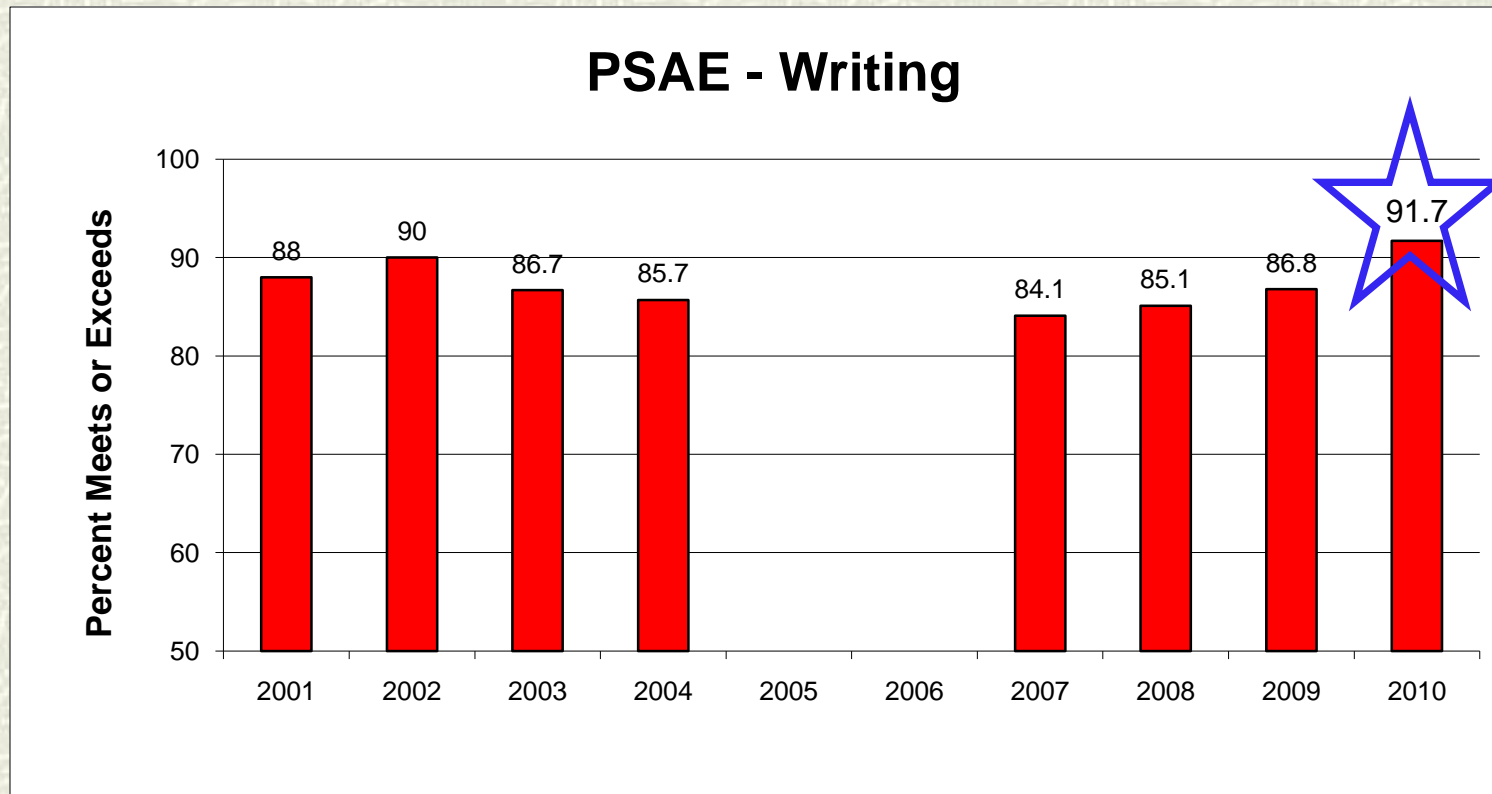


LFHS - Prairie State Achievement Exam

PSAE - Reading



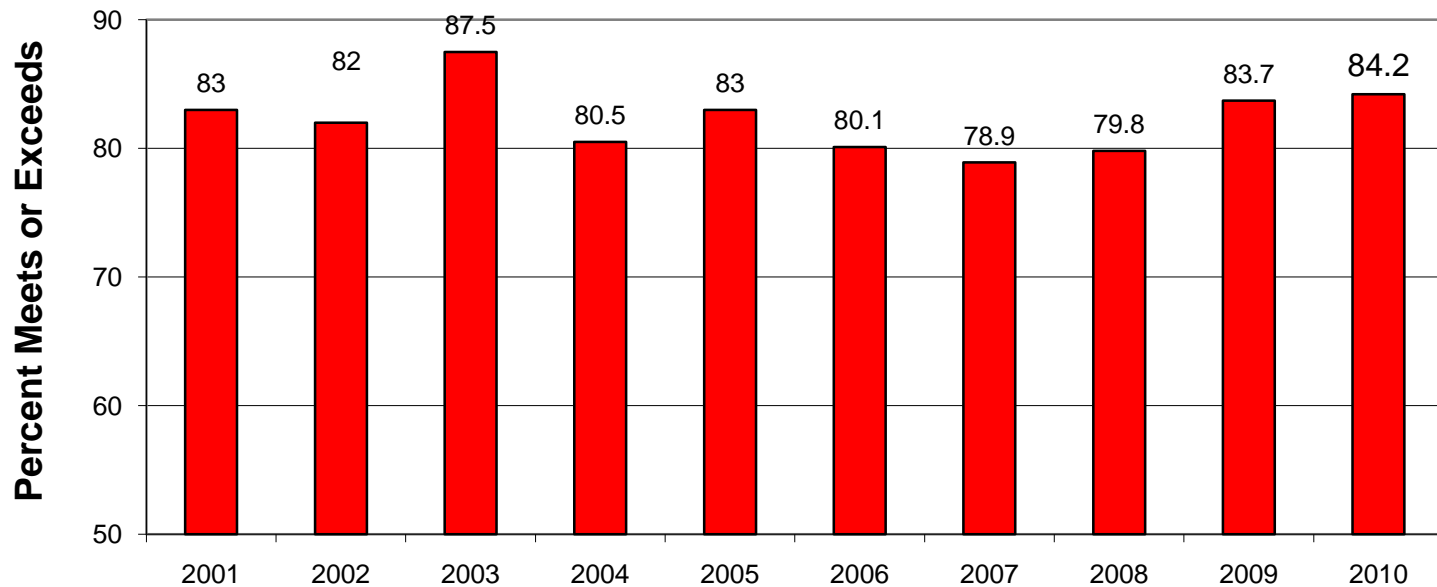
LFHS - Prairie State Achievement Exam



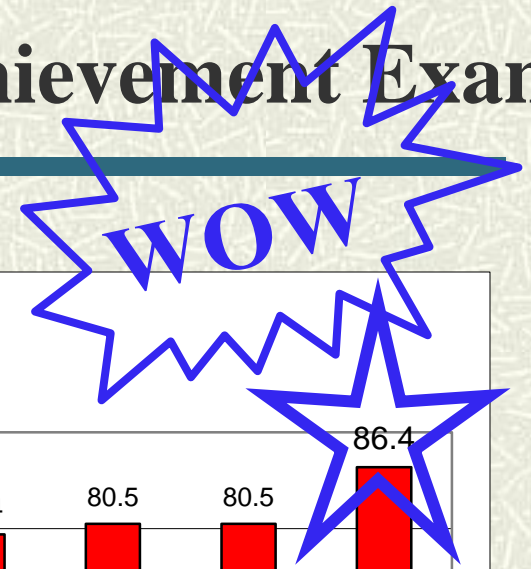
No Writing on PSAE in 2005 and 2006

LFHS - Prairie State Achievement Exam

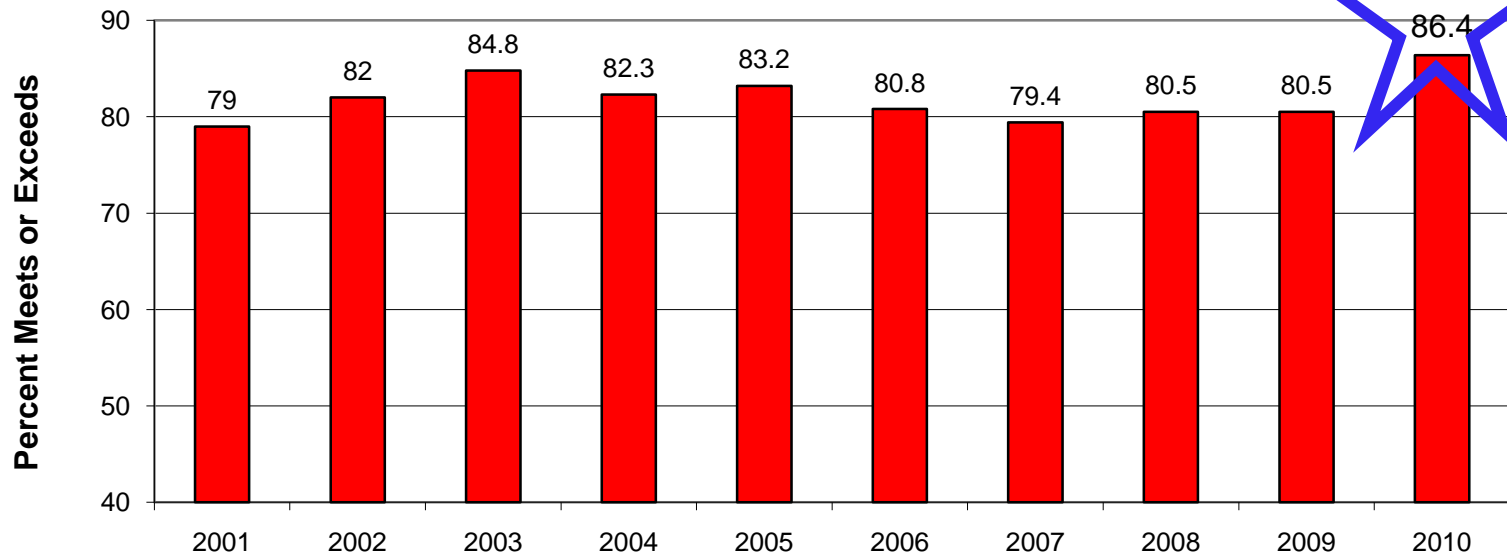
PSAE -- Mathematics



LFHS - Prairie State Achievement Exam



PSAE - Science



Criteria use for Ranking

LFHS – Uses the ACT score as a measure as this is what colleges use in their acceptance process

Tribune – Uses the percent of meets and exceeds from the PSAE to determine rank

Sun-Times – Uses the average PSAE test scores for each school to determine rank

Ranking Lake Forest H.S.

	All Schools	Open Enrollment Schools
LFHS	6	3
<i>Chicago Tribune</i>	9	6
<i>Chicago Sun-Times</i>	11	8

PSAE Day 1 and Day 2 Rankings*

The PSAE consists of two main parts: the day 1 ACT exam and the day 2 Work Keys exam. This is how we rank using the Tribune method of ranking.

Test	Day 1	Day 2
Reading	3	31
Math	4	29

*Open Enrollment Schools

LFHS PSAE Day 2 Facts

On the Reading Exam:

- Eight students scored a zero on the day 2 exam who had strong ACT scores on day 1
- Fifty-one students scored less than 5 on the day 2 exam but scored 21 or higher on the day 1, ACT Exam

On the Math Exam:

- Three students scored a zero on the day 2 exam who had strong ACT scores on day 1
 - Forty-one students scored less than 5 on the day 2 exam but scored 21 or higher on the day 1 ACT Exam
-

College-bound, but ready?

“At Lake Forest, Deerfield, Northbrook and Hinsdale high schools, more than 40% of students didn’t meet all four college readiness benchmarks – ACT scores indicating they could do at least average in key freshman classes.”*

*Chicago Tribune
November 12, 2010

ACT College Readiness Benchmarks

ACT Subject Test	Readiness Benchmark	National Percent above benchmark	LFHS Percent above benchmark
English	18	63	91
Math	22	38	78
Reading	21	46	80
Science	24	23	63

Are LFHS Students College Ready?

- 98% of our students are accepted into college
 - Our students report that they are very successful in their first year of college
 - Our students choose a college major that is in their area of strength and avoid areas of weakness.
-

Are the Benchmarks Flawed?

“The benchmarks were based on seriously flawed research methodology.”

“Only science majors taking biology were sampled for the science test. Majors would need to have significantly higher performance levels (i.e., ACT scores) to succeed in their classes. So the science benchmark is set much higher than it would have been set for students in general, most of whom are not science majors.”

Steve Cordogan

Director of Research and Evaluation, District 214

Illinois Accountability System

- LFHS made Adequate Yearly Progress (AYP) for the 2009-2010 school year
 - The benchmark for AYP for 2011 is **85%**
 - 2012 and 2013 are **92.5%**
 - In 2014, **100%** of students are required to be in the meets/exceeds categories to achieve AYP
 - Most likely **no school will make AYP** in 2014 unless the law is changed
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LFHS - Highlights

- ✓ **ACT** – The Class of 2010 had our all-time highest average score in all subjects and the composite score.
 - ✓ **SAT** – Our all-time highest average scores!
 - ✓ **AP** – A large increase in the number of exams taken and we increased our already high percentage of passing scores.
 - ✓ **PSAE** – A very high percentage of students continue to meet or exceed state standards in all areas. Our first days scores are outstanding but we need to increase our efforts to get our students to see the value of the second day exam.
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