

AP / SAT / ACT 2016 2017

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Overview: Tests Analyzed

AP

- **AP** = Advanced Placement
- Grades 10, 11 and 12

- **SAT** = Scholastic Aptitude Test
- Grades 11 and 12

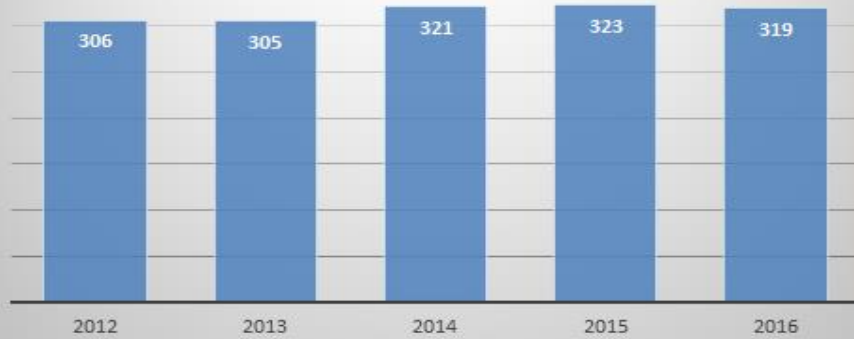
SAT

- **ACT** = American College Testing
- Grades 11 and 12

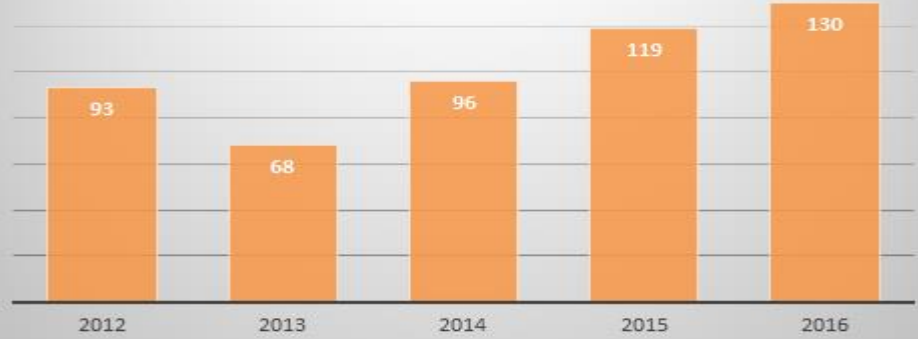
ACT

Increased Readiness

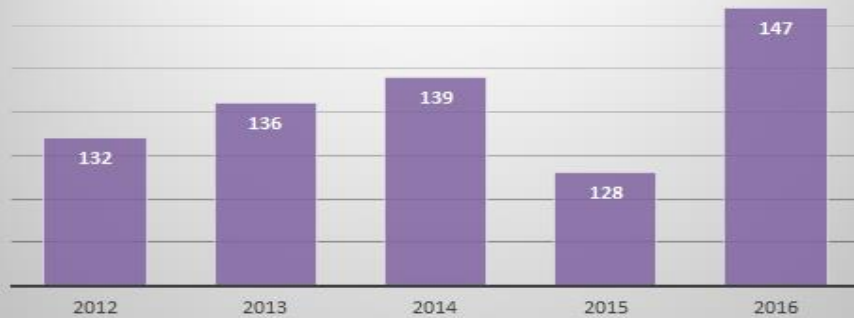
of Students



of AP Tests Takers



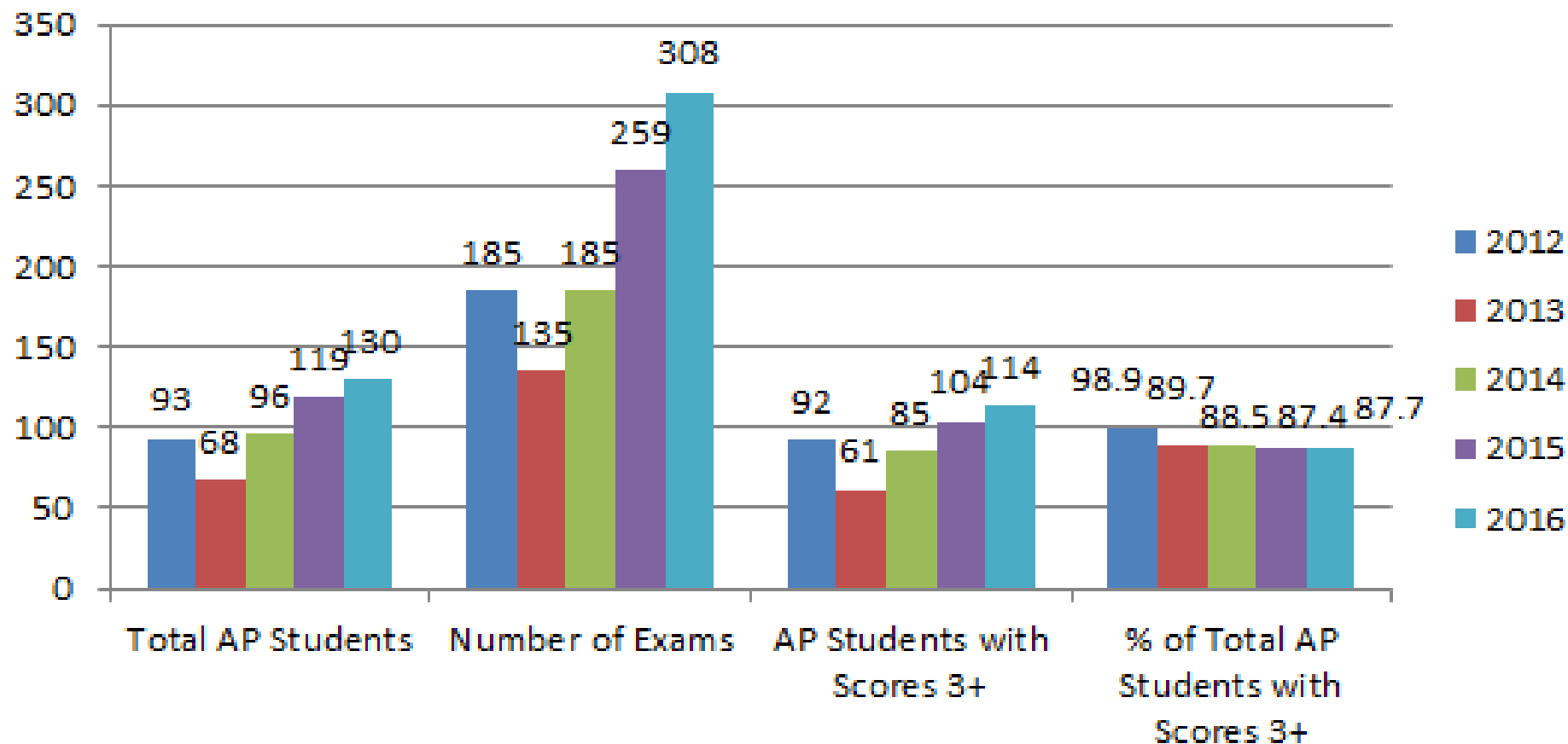
of SAT Takers



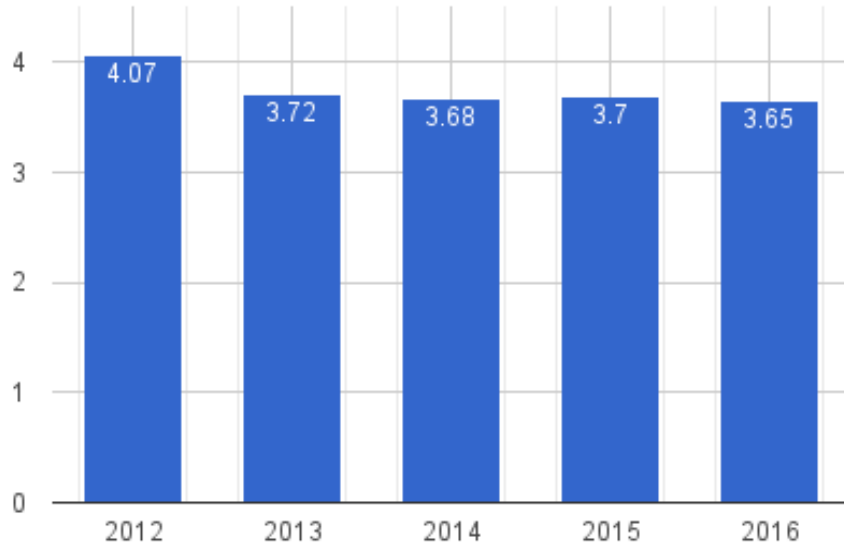
of ACT Test Takers



Metuchen 5 Year AP Data



Metuchen Overall AP Score Average



Concentrated effort over the past two years to increase interest in AP courses and exams



2. After-school prep work for Spanish AP exams.
3. Diagnostic tests in English to determine baseline data, resulting in better planning of AP Edge in the summer.
4. Efforts to align scope and sequence of source readings/topics for English 10 Honors & APUSHI and AP English Language & Composition and APUSHII.
5. Participation in Math Exams increased across the board.
6. Participation and scores increased for Open Enrollment AP Statistics.
7. Karin Flores – AP Spanish Lit & Culture reader in Louisville
8. Bill Schlovic – College Board AP Mentorship

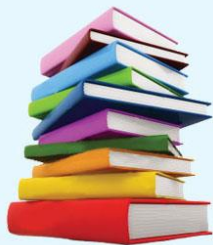
AP Data

	2014	2015	2016
AP Offerings	13	17	24
Total Enrollment	264	384	474
# Students taking the exams	96	119	130
# of Exams taken	185	259	308

AP Scores

	2014	2015	2016
% of Metuchen Students with 3+ score	88.5	87.4	87.7
% of NJ Students with 3+ score	74.2	72.8	71.9
% of Global Students with 3+ score	61.3	60.7	60.3

Subject by Subject



AP Exam	Total Exams	Mean Score
Biology	11	3.636 ↑
Calculus AB	21 ↑	3.667
Calculus BC	26 ↑	3.423
Calculus BC (AB subscore)	26 ↑	3.769
Chemistry	18 ↑	2.500
Chinese Language & Culture	1	5.000
Computer Science A	4	3.750
English Language & Comp	40 ↑	4.450 ↑
English Literature & Comp	13	4.231 ↑
Environmental Science	24 ↑	3.333 ↑
European History	9 ↑	3.889
French Language & Culture	1 ↑	5.000 ↑
German Language & Culture	3 ↑	4.000
Macroeconomics (VHS)	1	1.000

AP Exam	Total Exams	Mean Score
Microeconomics (VHS)	2 ↑	3.000 ↑
Music Theory	4 ↑	3.500 ↑
Physics C: Mechanics	1 ↑	5.000 ↑
Physics 1	29	2.724 ↑
Psychology	1	5.000 ↑
Spanish Language & Culture	6	4.333 ↑
Spanish Literature & Culture	9 ↑	3.778
Statistics	30 ↑	2.933 ↑
Studio Art: 3D Design	1 ↑	3.000 ↑
Studio Art: Drawing Portfolio	2 ↑	3.500
U.S. Government & Politics	7	3.429
U.S. History	42 ↑	4.024 ↑

The Redesigned SAT: What is different?

Category	Pre- March 2016 SAT	Redesigned SAT
Components	<ol style="list-style-type: none"><li data-bbox="440 270 869 303">1. Critical Reading<li data-bbox="440 325 749 358">2. Writing<li data-bbox="440 380 826 412">3. Mathematics<li data-bbox="440 434 718 467">4. Essay	<ol style="list-style-type: none"><li data-bbox="1108 270 1723 362">1. Evidence-Based Reading and Writing · Reading, Writing and Language Test<li data-bbox="1108 380 1263 412">2. Math<li data-bbox="1108 434 1418 467">3. Essay (optional)
Important Features	<ul style="list-style-type: none"><li data-bbox="440 520 1054 553">· Emphasis on general reasoning skills<li data-bbox="440 575 1000 651">· Emphasis on vocabulary, often in limited contexts<li data-bbox="440 673 1066 837">· Complex scoring (a point for a correct answer and a deduction for an incorrect answer; blank responses have no impact on scores)	<ul style="list-style-type: none"><li data-bbox="1108 520 1846 684">· Continued emphasis on reasoning alongside a clearer, stronger focus on the knowledge, skills, and understandings most important for college and career readiness and success<li data-bbox="1108 706 1843 837">· Greater emphasis on the meaning of words in extended contexts and on how word choice shapes meaning, tone, and impact<li data-bbox="1108 859 1812 979">· Rights-only scoring (a point for a correct answer but no deduction for an incorrect answer; blank responses have no impact on scores)



SAT- Critical Reading

Observations:

Mean- 539 points

Middle 50th percentile range- 460-600

44 points higher than NJ mean

45 points higher than total group mean

SAT Critical Reading Score Five-Year Trend





SAT- Writing Scores

Observations:

2016 Mean 546 points

Middle 50th percentile range is 460-610

54 points higher than NJ mean

64 points higher than total group

SAT Writing Mean Score Five-Year Trend



SAT Math Scores



SAT Mathematics Mean Score Five-Year Trend



Observations:

2016 Mean 554 points

Middle 50th percentile range is 470-630

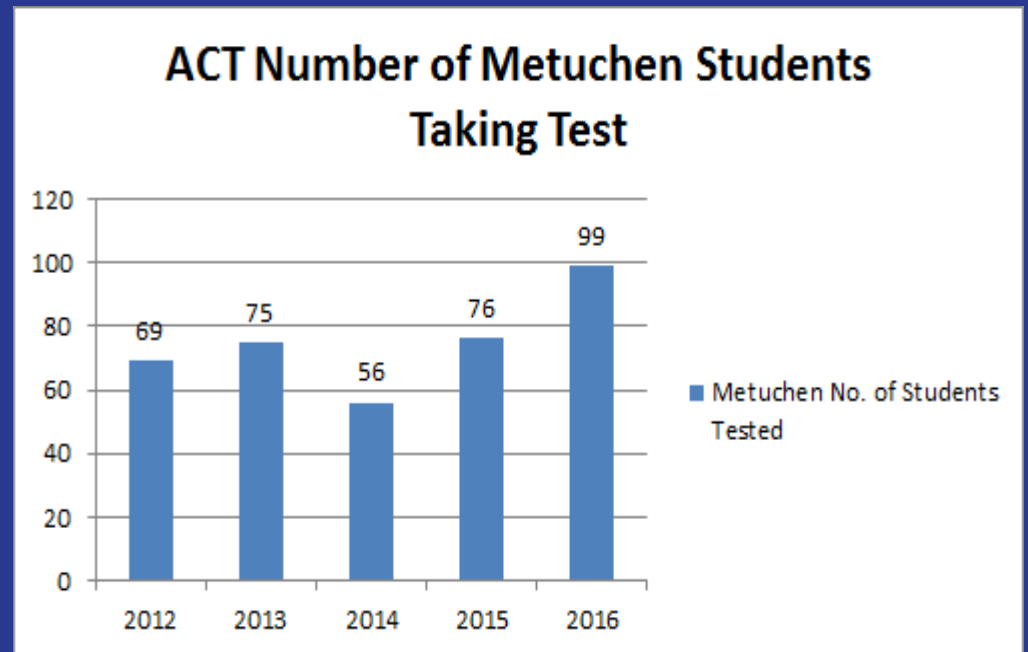
40 points higher than NJ mean

46 points higher than total group mean

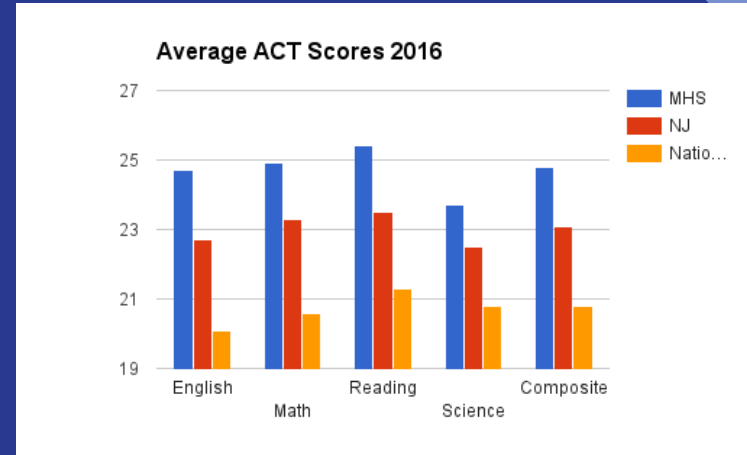
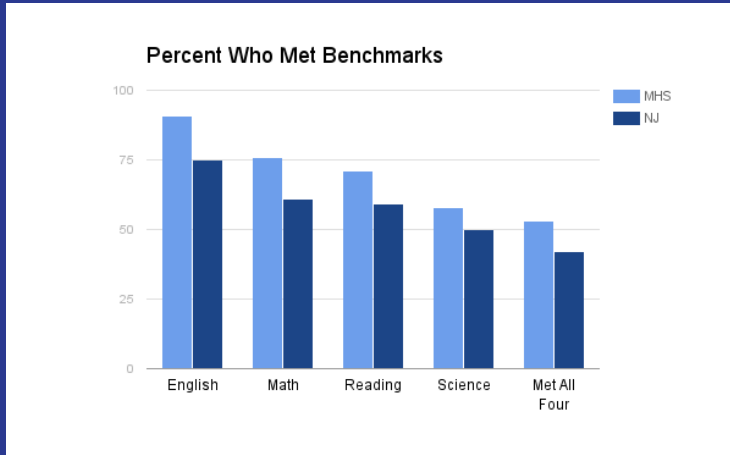
ACT

Trends have shown a steady, increased interest in taking the ACT.

Number of Students Tested	MHS	State	National
2011	32	20,796	1,623,112
2012	69	22,179	1,666,017
2013	75	24,202	1,799,243
2014	56	26,182	1,845,787
2015	76	30,263	1,924,436
2016	99	33,646	2,090,342



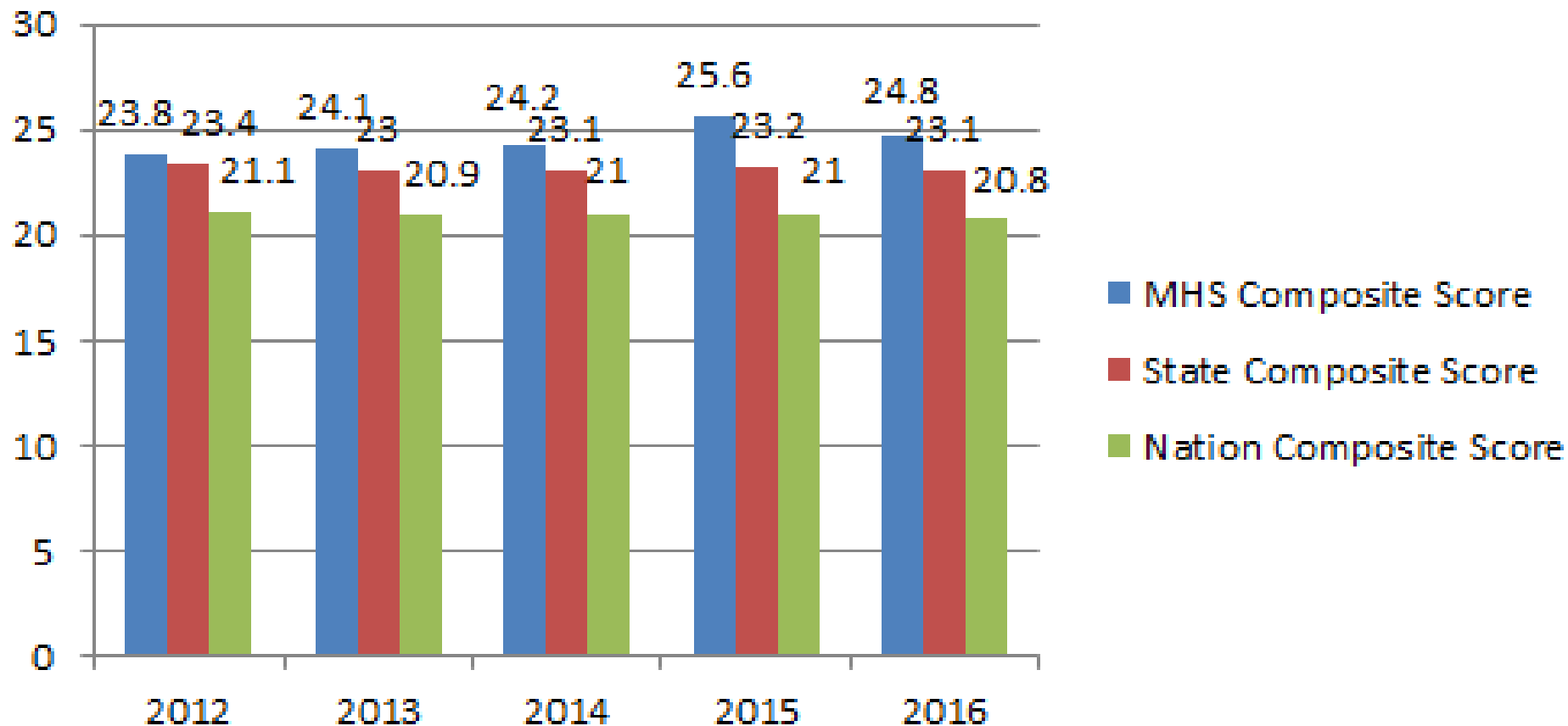
ACT Benchmark and Composite Scores



- MHS students consistently out-score students statewide in all content areas in regards to college readiness benchmarks
 - English-91%
 - Math-76%
 - Reading-71%
 - Science-58%
 - Met All Four-53%

- MHS reports an increase in average composite scores in all content areas over the past 5 years
 - English 23.8 →24.7
 - Math 23.9 →24.9
 - Reading 24.3 →25.4
 - Science 22.7 →23.7

ACT Scores 5-Year Trend





Keys to Success

- Authentic engagement in all subject areas leads to higher order thinking
- Use of challenging/rich/engaging works of fiction and nonfiction to teach analysis and synthesis skills
- Writing across content areas
- Continued use of on-demand analytical and narrative writing tasks (timed writings)
- use of challenging/rich/engaging works of fiction and nonfiction to teach analysis and synthesis skills
- Recent change in Math sequence will allow for all juniors to take Algebra 2 before taking the SAT
- Continue to investigate additional AP and dual-credit course offerings
- Summer Prep classes in Algebra 1 and Algebra 2