

CEEB TESTING AND PLACEMENT CLASS OF 2018 A PROFILE

December 3, 2018



Summary of Plans Class of 2018 Percent of Total Graduates

| CLASSIFICATION | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|--------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|
| Four-Year Colleges | 81 | 83 | 84 | 89 | 85 | 84 | 88 | 89 | 86.44 | 88.01 | 87.73 | 88.28 | 92.5 | 91.5 | 92.5 | 90.7 |
| Jr./Specialized Schools | 9 | 7 | 6 | 4 | 9 | 7 | 4.5 | 4 | 5.51 | 5.62 | 4.46 | 5.44 | 1.43 | 4 | 3.1 | 3.7 |
| Prep Schools | 3 | 3 | 1 | 2 | 3 | 2 | 1.5 | 1 | 2.96 | .75 | 1.86 | 2.51 | .36 | .4 | .68 | 0 |
| Total Continuing Ed. | 93 | 93 | 91 | 95 | 97 | 92 | 94 | 93 | 94.91 | 94.38 | 94.05 | 96.23 | 94.29 | 95.9 | 96.3 | 94.4 |
| Employment | 6 | 5 | 5 | 1 | 1 | 3 | 5 | 1 | 2.96 | .75 | 3.34 | 2.09 | 3.93 | 3 | .68 | 3.7 |
| Military Service | 1 | 2 | 1 | 1 | 0 | 1 | 1 | 0 | .42 | 0 | 0 | .42 | .71 | 0 | .68 | 0 |
| Gap Year / other program | 0 | 0 | 2 | 5 | 2 | 4 | 0 | 6 | 1.69 | 2.25* | .74 | .42 | .71 | .7 | .68 | 1.6 |
| Undecided | | | | | | | | | | 2.62 | 1.86 | .84 | .36 | .3 | 1.7 | .3 |

*Prior to 2012 category included Gap Year and other programs as well as students who were undecided in their plans. In 2012 the Gap Year and other program students were separated.



SAT Summary

| SAT Test Section | Questions | Content | Timing |
|---|--|--|--|
| Evidence-based reading & writing | <i>Reading</i> 52 standard multiple-choice <i>Writing</i> 44 standard multiple-choice | <ul style="list-style-type: none">•Relevant words in context <i>(Reading, Writing)</i>•Command of evidence <i>(Reading, Writing)</i>•Expression of ideas <i>(Writing)</i>•Standard English conventions <i>(Writing)</i> | 100 minutes <i>Reading</i> One 65-minute section <i>Writing</i> One 35-minute section |
| Mathematics | 45 standard multiple-choice 13 student-produced response | <ul style="list-style-type: none">•The heart of algebra•Passport to advanced math•Problem solving & data analysis | 80 minutes One 25-minute section (no calculator) One 55-minute section (calculator allowed) |
| Essay (optional) | 1 evidence-based essay | <ul style="list-style-type: none">•Analyzing a source | 50 minutes One 50-minute essay |



Comparison of Test Length and Timing: Pre-March-2016 SAT and New SAT

Pre-March-2016 SAT

New SAT

| Component | Time (min.) | Questions | Component | Time (min.) | Questions |
|------------------|-------------|------------|----------------------|-----------------------------|-----------------------------|
| Critical Reading | 70 | 67 | Reading | 65 | 52 |
| Writing | 60 | 49 | Writing and Language | 35 | 44 |
| Essay | 25 | 1 | Essay (optional) | 50 | 1 |
| Mathematics | 70 | 54 | Mathematics | 80 | 58 |
| Total | 225 | 171 | Total | 180 (230 with Essay) | 154 (155 with Essay) |



Comparison of the Major Features: Pre-March-2016 SAT and New SAT

| Category | Pre-March-2016 SAT | New SAT |
|---------------------------|--|---|
| Total Testing Time | 3 hours and 45 minutes | 3 hours (plus 50 minutes for the Essay [optional]) |
| Components | <ol style="list-style-type: none">1.Critical Reading2.Writing3.Mathematics4.Essay | <ol style="list-style-type: none">1.Evidence-Based Reading and Writing<ol style="list-style-type: none">1. Reading Test2. Writing and Language Test2.Math3.Essay (optional) |
| Important Features | <ul style="list-style-type: none">•Emphasis on general reasoning skills•Emphasis on vocabulary, often in limited contexts•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">•Focus on the knowledge, skills, and understandings that research has identified as most important for college and career readiness and success•Greater emphasis on the meaning of words in extended contexts and on how word choice shapes meaning, tone, and impact•Rights-only scoring (no penalty for guessing) |
| Essay | <ul style="list-style-type: none">•Required and given at the beginning of the SAT•25 minutes to write the essay•Tests writing skill; students take a position on a presented issue | <ul style="list-style-type: none">•Optional and given at the end of the SAT; postsecondary institutions determine whether they will require the Essay for admission•50 minutes to write the essay•Tests reading, analysis, and writing skills; students produce a written analysis of a provided source text |
| Score Reporting | <ul style="list-style-type: none">•Scale ranging from 600 to 2400•Scale ranging from 200 to 800 for Critical Reading; 200 to 800 for Mathematics; 200 to 800 for Writing•Essay results scaled to multiple-choice Writing | <ul style="list-style-type: none">•Scale ranging from 400 to 1600•Scale ranging from 200 to 800 for Evidence-Based Reading and Writing; 200 to 800 for Math; 2 to 8 on each of three dimensions for Essay•Essay results reported separately |
| Subscore Reporting | None | Subscores for every test, providing added insight for students, parents, admission officers, educators, and counselors |



SAT Mean Score Comparison

| Total Group Combined 1600 | | |
|---------------------------|-------|----------|
| Hingham | Mass. | National |
| 1221 | 1125 | 1068 |

| Total Group Reading & Writing | | |
|-------------------------------|-------|----------|
| Hingham | Mass. | National |
| 612 | 562 | 536 |

| Total Group Mathematics | | |
|-------------------------|-------|----------|
| Hingham | Mass. | National |
| 608 | 563 | 531 |

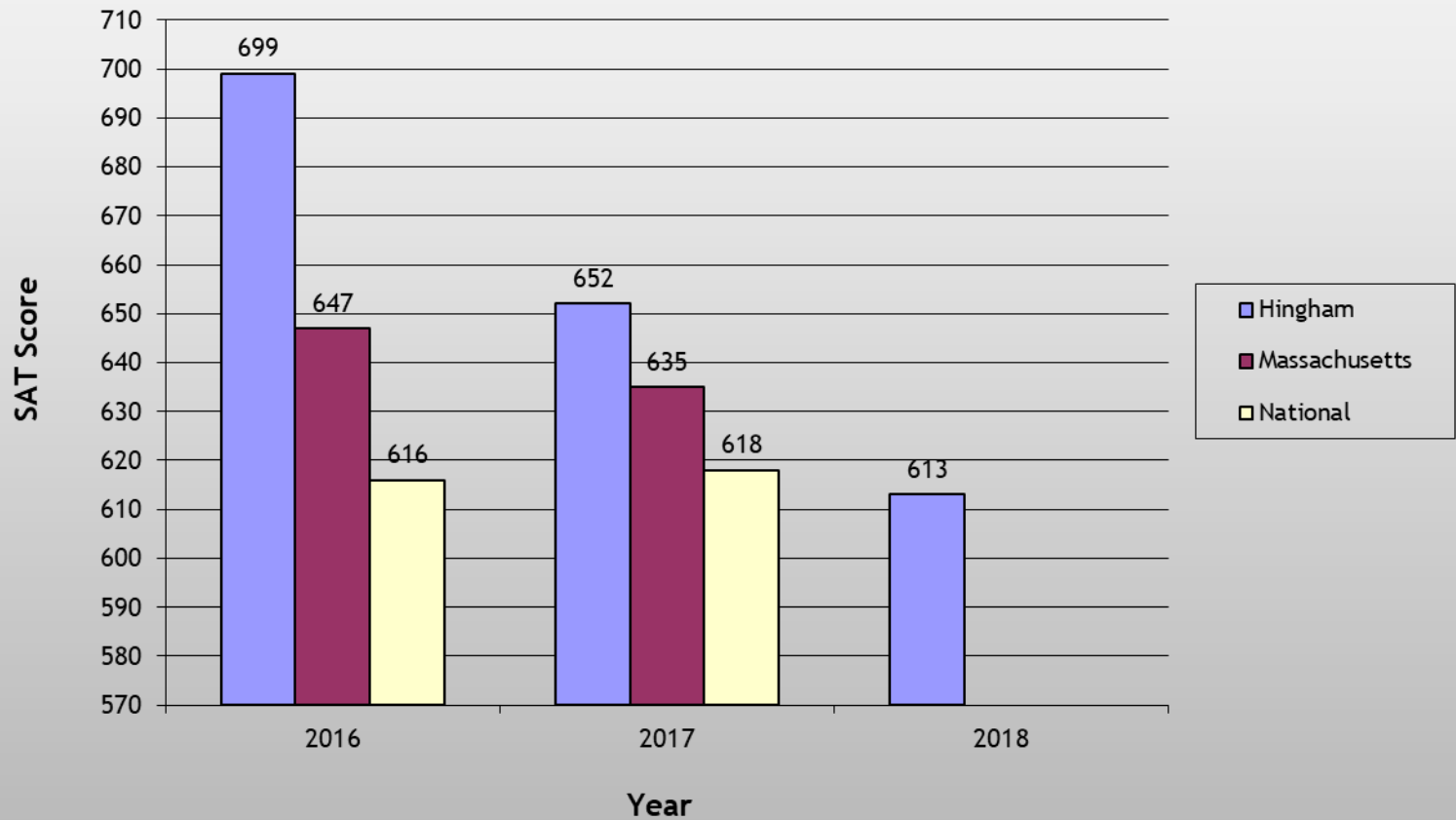
| Group | Number | Reading & Writing | Math | Combined |
|---------------------|--------|-------------------|------|----------|
| Special Education** | 23 | 530 | 494 | 1024 |
| Total Group | 299 | 612 | 608 | 1221 |

**As reported by the College Board on the Massachusetts DESE website



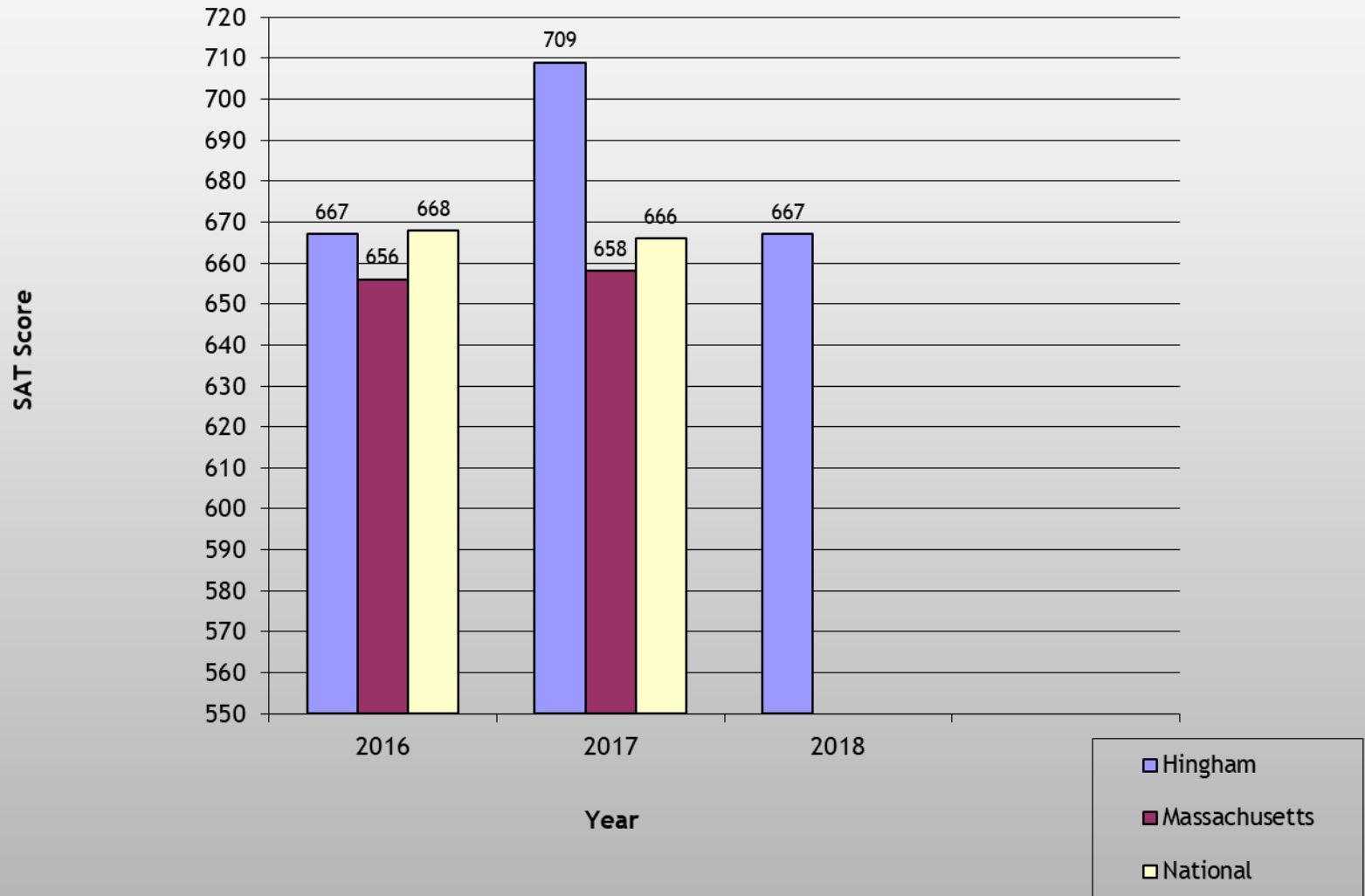
Class of 2018

Biology - Ecological



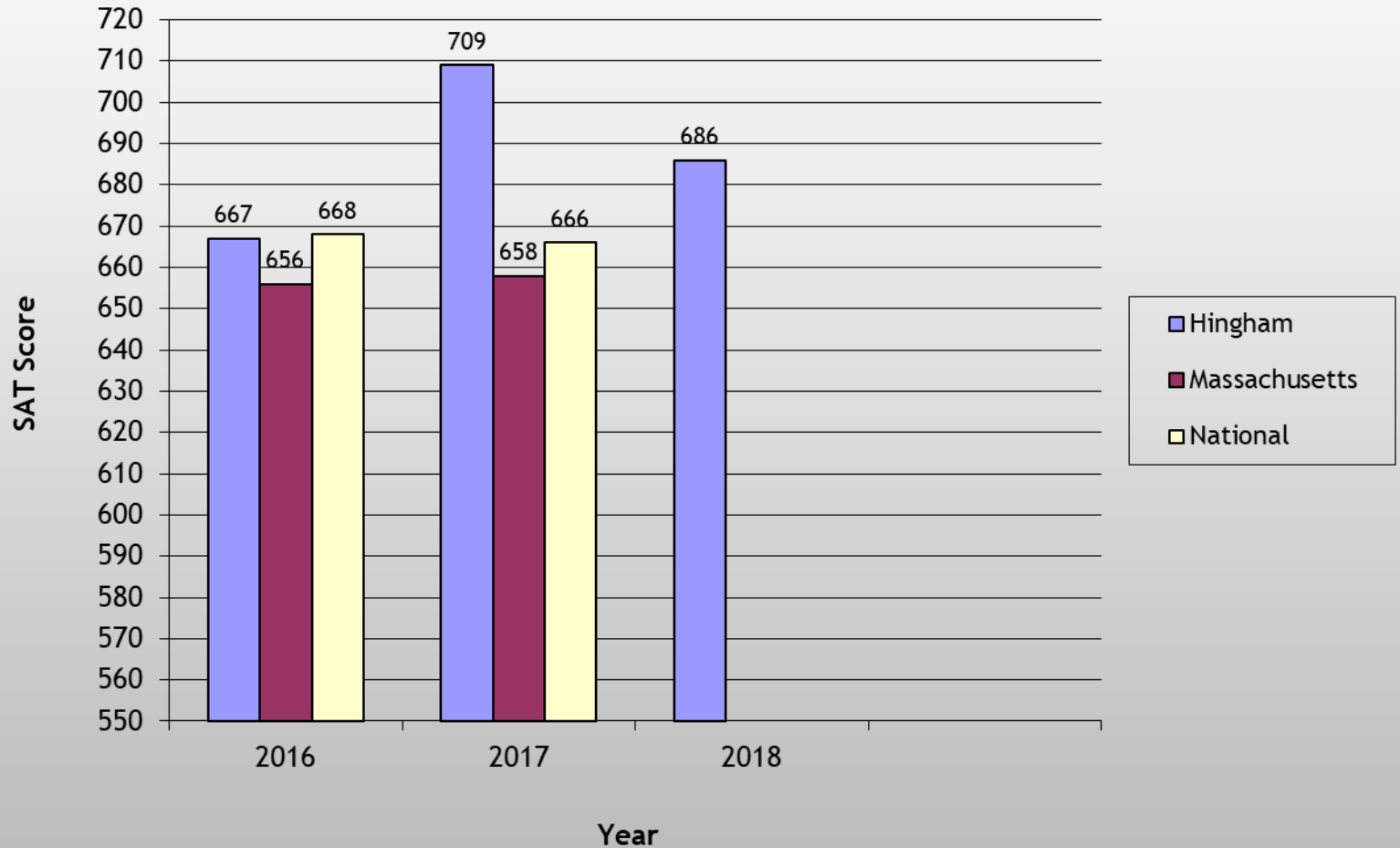
Class of 2018

Biology - Molecular



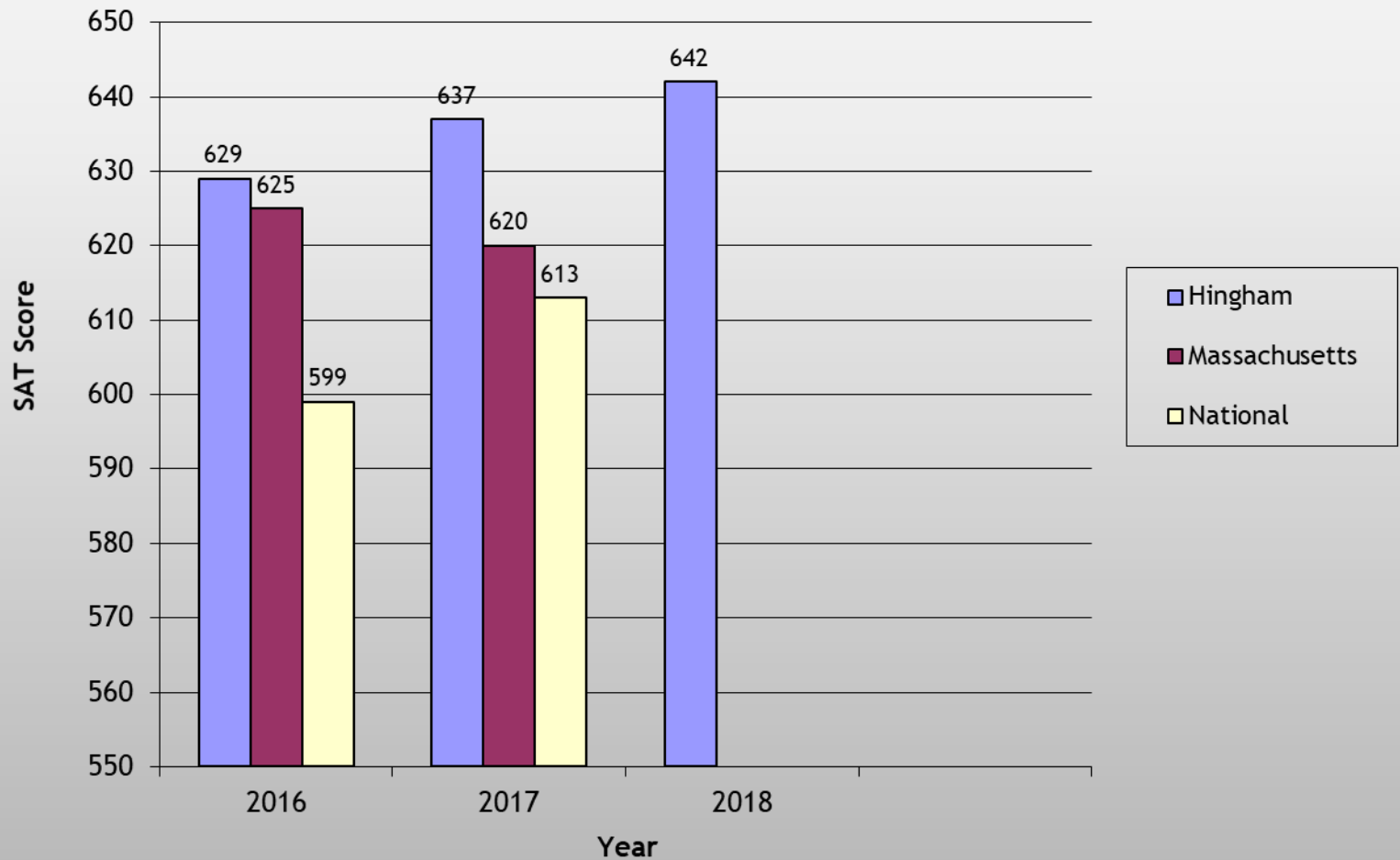
Class of 2018

Chemistry



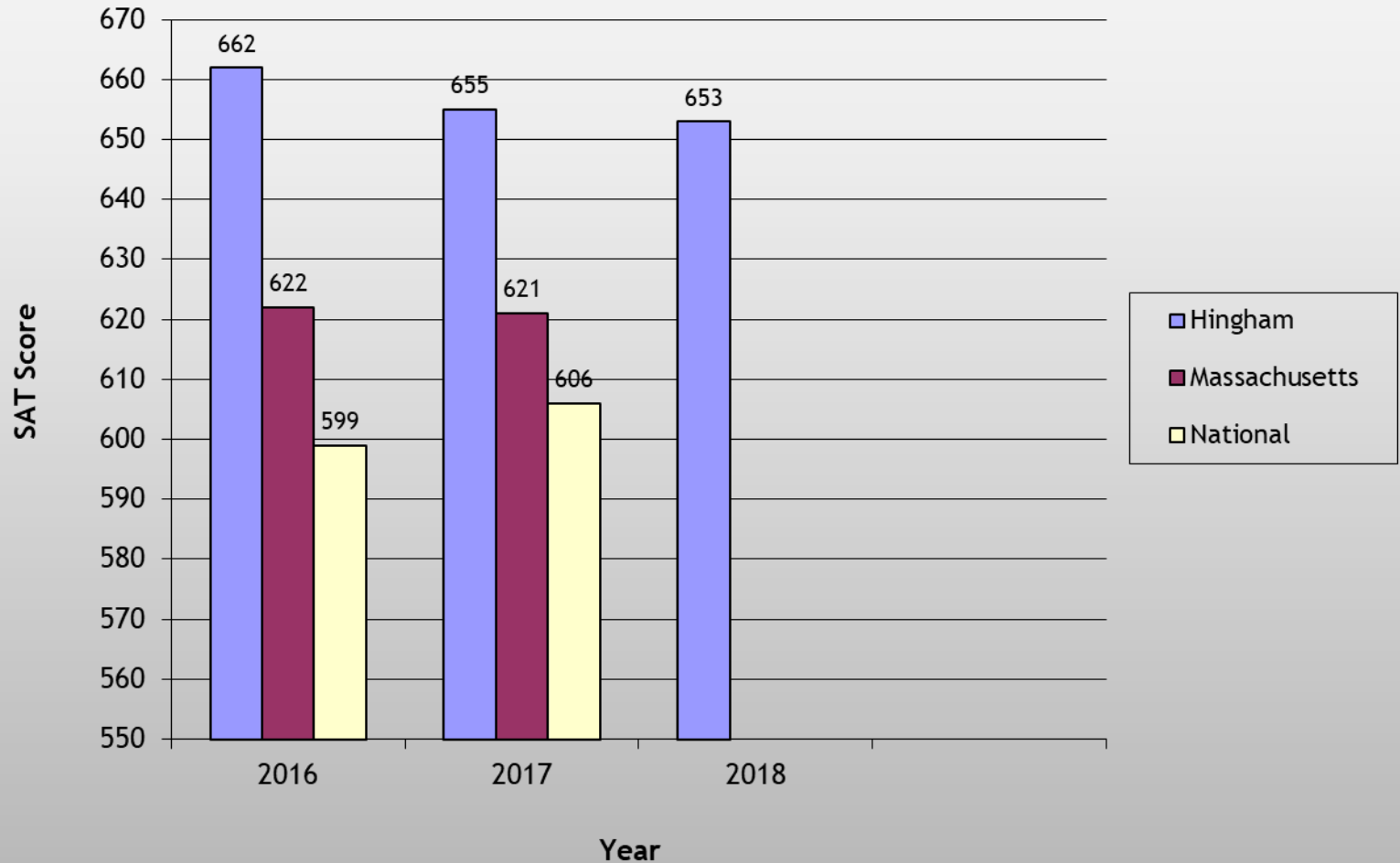
Class of 2018

English Literature



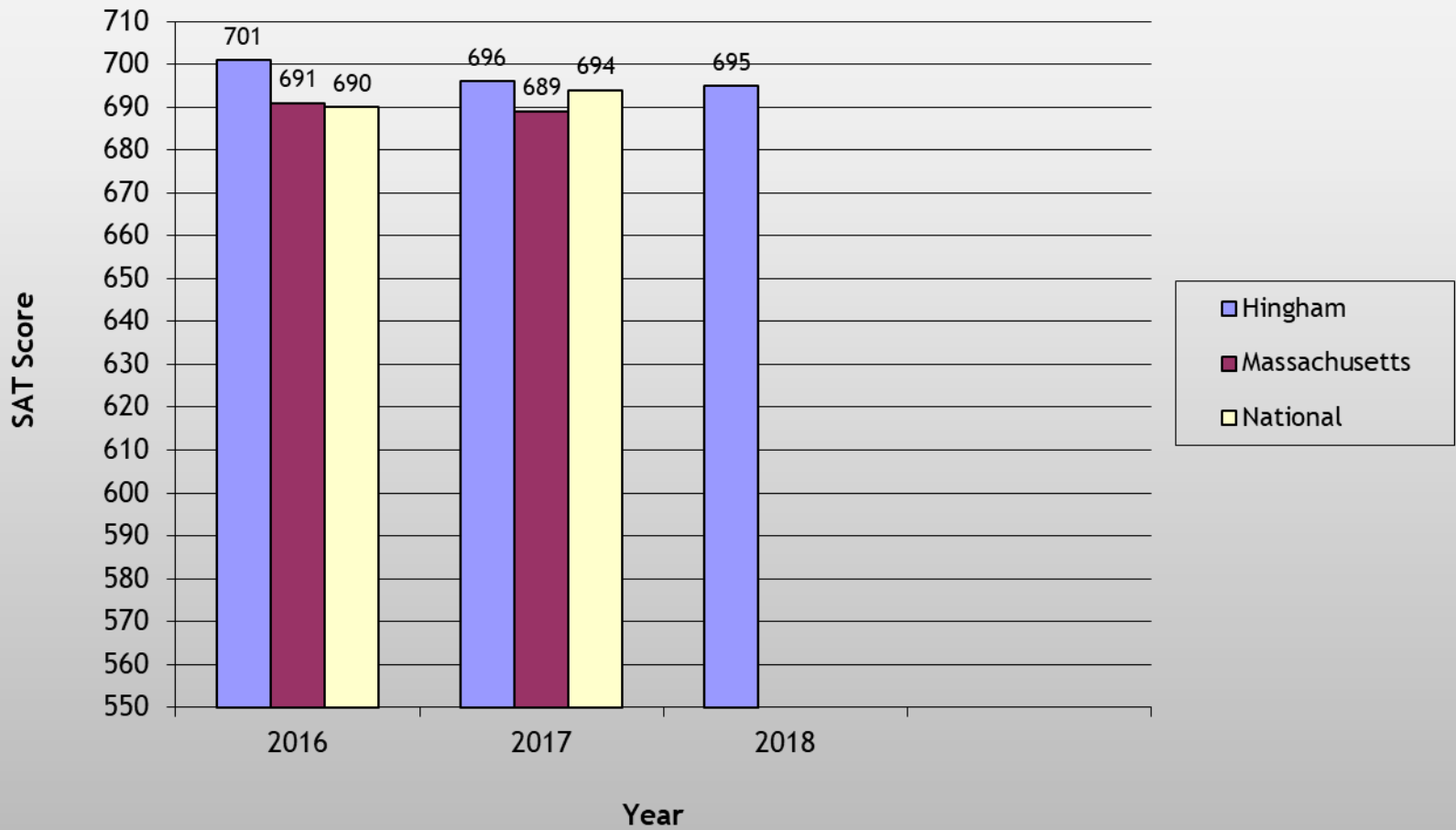
Class of 2018

Mathematics Level I



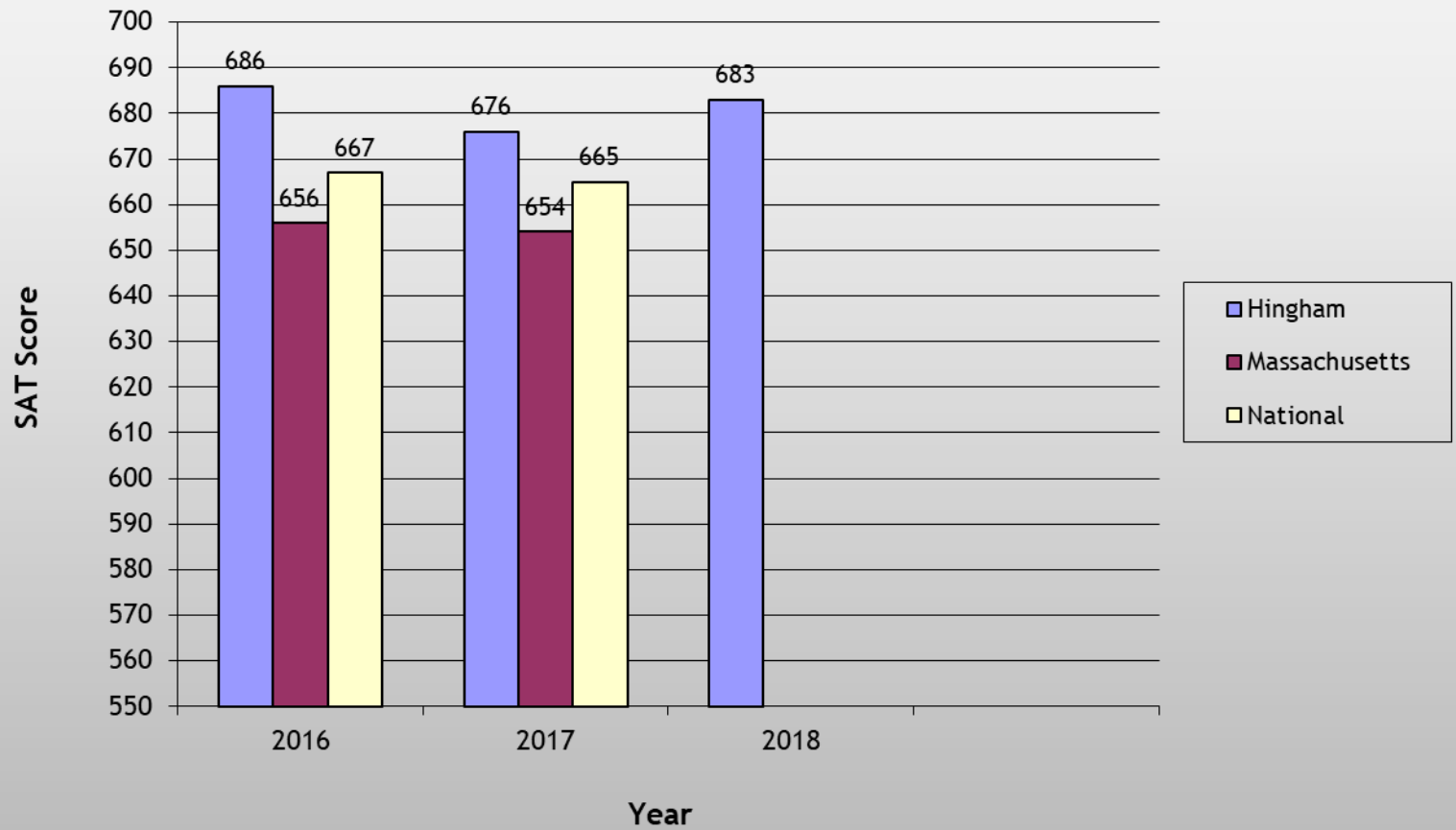
Class of 2018

Mathematics Level II



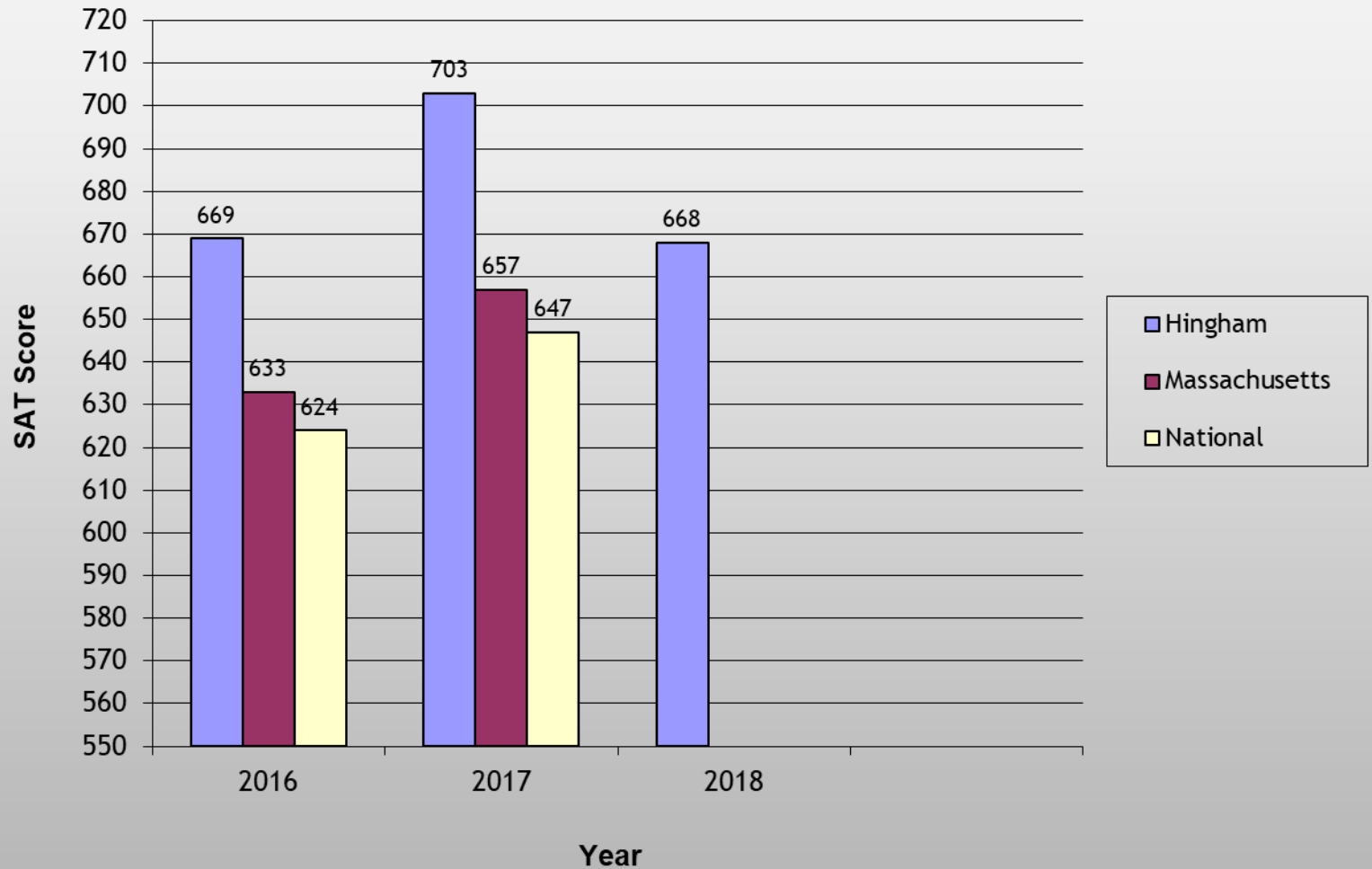
Class of 2018

Physics



Class of 2018

United States History



ACT

- Curriculum based measure of college readiness—
an achievement test
- Four subtests with an optional writing section
 - English
 - Math
 - Reading
 - Science
- Scored from 1-36



Hingham High School Class of 2018

ACT Scores Local, State, and National Comparisons

| English | | |
|---------|-------|----------|
| Hingham | Mass. | National |
| 26.6 | 25.5 | 20.2 |

| Mathematics | | |
|-------------|-------|----------|
| Hingham | Mass. | National |
| 26.6 | 25.2 | 20.5 |

| Reading | | |
|---------|-------|----------|
| Hingham | Mass. | National |
| 26.5 | 25.9 | 21.3 |

| Science | | |
|---------|-------|----------|
| Hingham | Mass. | National |
| 25.5 | 24.7 | 20.7 |

| Composite | | |
|-----------|-------|----------|
| Hingham | Mass. | National |
| 26.4 | 25.5 | 20.8 |

Hingham ACT Scores 2008-2018

| Year | Number Tested | English | Math | Reading | Science | Composite |
|------|---------------|---------|------|---------|---------|-----------|
| 2008 | 55 | 25.4 | 27.0 | 25.5 | 24.7 | 25.7 |
| 2009 | 48 | 23.9 | 24.8 | 24.6 | 23.0 | 24.2 |
| 2010 | 67 | 26.1 | 26.0 | 26.1 | 24.7 | 25.9 |
| 2011 | 55 | 26.1 | 25.7 | 26.2 | 23.8 | 25.5 |
| 2012 | 80 | 24.4 | 24.9 | 24.7 | 23.4 | 24.5 |
| 2013 | 96 | 24.6 | 24.6 | 24.4 | 23.5 | 24.4 |
| 2014 | 63 | 25.8 | 25.6 | 25.9 | 24.6 | 25.6 |
| 2015 | 105 | 25.8 | 25.4 | 26.4 | 24.9 | 25.7 |
| 2016 | 125 | 26.4 | 26.6 | 27.3 | 25.9 | 26.6 |
| 2017 | 156 | 26.7 | 26.7 | 27.4 | 26.1 | 26.8 |
| 2018 | 131 | 26.6 | 26.6 | 26.5 | 25.5 | 26.4 |



AP Mean Scores 2018

| | Hingham | Massachusetts | National |
|-----------------------------|---------|---------------|----------|
| Biology | 3.93 | 3.19 | 2.77 |
| Calculus AB | 3.80 | 3.20 | 2.84 |
| Calculus BC | 4.42 | 4.22 | 3.95 |
| Chemistry | * | 3.46 | 2.89 |
| Chinese | 2.50 | 4.25 | 4.29 |
| Computer Science A | * | 3.54 | 3.25 |
| Computer Science Principles | * | 3.01 | 2.79 |
| English Language | 4.13 | 2.88 | 2.56 |
| English Lit. & Comp. | 3.96 | 2.71 | 2.32 |
| Environmental Science | * | 2.45 | 2.33 |
| European History | 4.15 | 3.22 | 2.86 |
| French Lang. & Cult. | * | 3.71 | 3.36 |
| Macroeconomics | * | 3.05 | 2.75 |
| Microeconomics | * | 3.22 | 3.05 |
| Music Theory | 3.69 | 2.72 | 2.99 |
| Physics C E&M | 4.14 | 3.94 | 3.69 |
| Physics C Mechanics | 4.29 | 3.95 | 3.64 |
| Psychology | 2.50 | 3.06 | 2.86 |
| Seminar | * | 3.27 | 2.98 |
| Spanish Language | 4.24 | 3.80 | 3.46 |
| Spanish Lit. & Culture | 3.59 | 3.30 | 2.43 |
| Statistics | 3.84 | 3.02 | 2.79 |
| Studio Art 3-D | * | 2.70 | 3.08 |
| US Government & Politics | * | 3.26 | 2.49 |
| US History | 4.33 | 3.24 | 2.52 |
| World History | 4.53 | 3.38 | 2.62 |



Percent of AP Grades 3 and Higher 2018

| | Hingham | Massachusetts | National |
|-----------------------------------|---------|---------------|----------|
| Biology | 95.45 | 69.87 | 61.11 |
| Calculus AB | 91.3 | 63.41 | 56.94 |
| Calculus BC | 100 | 86.25 | 80.21 |
| Chemistry | * | 65.77 | 54.54 |
| Chinese | 42.86 | 87.47 | 90.07 |
| Computer Science A | * | 71.35 | 67.43 |
| Computer Science Principles | * | 70.97 | 70.97 |
| English Language | 96.43 | 68.59 | 56.49 |
| English Lit. & Comp. | 95.83 | 58.60 | 47.12 |
| Environmental Science | * | 54.51 | 47.42 |
| European History | 96.29 | 68.96 | 57.48 |
| French Lang. & Cult. | * | 84.31 | 75.46 |
| Macroeconomics | * | 68.85 | 56.74 |
| Microeconomics | * | 71.56 | 66.34 |
| Music Theory | 84.61 | 72.11 | 65.51 |
| Physics C E&M | 92.86 | 75.83 | 72.60 |
| Physics C Mechanics | 100 | 82.25 | 76.85 |
| Psychology | 50 | 69.48 | 65.29 |
| Seminar | * | 39.36 | 30.3 |
| Spanish Language | 100 | 90.04 | 88.23 |
| Spanish Lit. & Culture | 94.12 | 80.95 | 69.29 |
| Statistics | 94 | 64.64 | 60.16 |
| Studio Art 3-D | * | 58.47 | 68.47 |
| US Government & Politics | * | 59.31 | 52.92 |
| US History | 97.96 | 68.17 | 51.74 |
| World History | 100 | 72.56 | 55.90 |



Benchmark Schools Comparison AP Exams Grades 3 and Higher

| School | Number of AP Exams Taken | Number of AP Exams 3 and Higher | Percentage of AP Exams 3 and Higher |
|------------------|--------------------------|---------------------------------|-------------------------------------|
| Andover | 883 | 730 | 82.7 |
| Braintree | 701 | 595 | 84.9 |
| Canton | 663 | 479 | 72.2 |
| Cohasset | 266 | 221 | 83.1 |
| Concord-Carlisle | 616 | 572 | 92.9 |
| Dedham | 426 | 230 | 54 |
| Hingham | 484 | 450 | 93 |
| Hull | 97 | 62 | 63.9 |
| Lexington | 1732 | 1627 | 93.9 |
| Marblehead | 583 | 466 | 79.9 |
| Milton | 703 | 604 | 85.9 |
| Needham | 746 | 686 | 92 |
| Norwell | 466 | 351 | 75.3 |
| Rockland | 206 | 96 | 46.6 |
| Scituate | 505 | 333 | 65.9 |
| Wellesley | 734 | 674 | 91.8 |
| Weston | 608 | 510 | 83.9 |
| Westwood | 671 | 611 | 91.1 |
| Weymouth | 437 | 299 | 68.4 |
| Winchester | 716 | 648 | 90.5 |

Hingham is tied for 8th in the state of Massachusetts with 93% of tests taken scoring 3 or better.



Hingham High School Advanced Placement Scholars

AP Scholars are designated in recognition of their exceptional achievement on the college level Advanced Placement (AP) examination. In Hingham, 102 or 38% of the 266 candidates were so honored.

| Year | AP Scholar Award | AP Scholar with Honor | AP Scholar with Distinction | AP National Scholar | AP International Diploma |
|------|------------------|-----------------------|-----------------------------|---------------------|--------------------------|
| 2001 | 10 | 9 | 3 | none | none |
| 2002 | 15 | 15 | 2 | none | none |
| 2003 | 17 | 7 | 7 | none | none |
| 2004 | 15 | 10 | 14 | none | none |
| 2005 | 21 | 5 | 17 | none | none |
| 2006 | 18 | 10 | 12 | none | none |
| 2007 | 17 | 15 | 26 | 1 | none |
| 2008 | 22 | 14 | 18 | 2 | none |
| 2009 | 25 | 15 | 15 | 1 | none |
| 2010 | 19 | 15 | 13 | 1 | none |
| 2011 | 28 | 16 | 19 | 1 | none |
| 2012 | 25 | 20 | 24 | 3 | none |
| 2013 | 29 | 17 | 20 | 2 | none |
| 2014 | 29 | 21 | 38 | 2 | 1 |
| 2015 | 34 | 28 | 35 | 4 | 2 |
| 2016 | 31 | 22 | 37 | 8 | 1 |
| 2017 | 26 | 35 | 42 | 4 | none |
| 2018 | 40 | 23 | 33 | 5 | 1 |



**Hingham High School
National Merit Scholarship Corporation**

Merit scholars are identified from their performance on the PSAT/NMSQT. A student who is identified as a “semifinalist” is one who has scored in the top half of one percent of each state's high school senior class. Scholarship awards made to semifinalists identify those students as finalists. Semifinalists bring honor to their schools and their parents. However, it is the individual student who is recognized in the merit program for outstanding test performance that indicates exceptional academic promise. Our 1 semi-finalist achieved finalist status, the first time since 2014.

Commended students are those who scored among the top two percent of merit program participants who took the qualifying test. Commended students have also demonstrated exceptional academic promise.

National Merit Scholarship Summary

| Class | Semifinalists | Commendations | # in class | % of class |
|--------------|----------------------|----------------------|-------------------|-------------------|
| 1999 | 3 | 12 | 193 | 8 |
| 2000 | 4 | 12 | 194 | 8 |
| 2001 | 1 | 15 | 199 | 8 |
| 2002 | 3 | 19 | 187 | 12 |
| 2003 | 1 | 11 | 214 | 6 |
| 2004 | 1 | 12 | 211 | 6 |
| 2005 | 5 | 8 | 229 | 6 |
| 2006 | 2 | 4 | 250 | 2 |
| 2007 | 2 | 4 | 245 | 2 |
| 2008 | 3 | 15 | 251 | 7 |
| 2009 | 0 | 10 | 255 | 4 |
| 2010 | 2 | 8 | 250 | 4 |
| 2011 | 3 | 16 | 241 | 8 |
| 2012 | 0 | 8 | 278 | 3 |
| 2013 | 2 | 22 | 269 | 9 |
| 2014 | 0 | 14 | 282 | 5 |
| 2015 | 0 | 14 | 280 | 5 |
| 2016 | 2 | 16 | 295 | 4 |
| 2017 | 5 | 8 | 292 | 4 |
| 2018 | 1 | 10 | 324 | 3 |

