

# Brookline High School



## MCAS Competency Determination Update

# MCAS Scores 2014 - 2017

| <b>Whole School Scores</b>  |             |             |             |             |
|---|-------------|-------------|-------------|-------------|
| <b>(Percentages Represent Total Number of Proficient and Advanced Scores)</b> |             |             |             |             |
|   | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>2017</b> |
| <b>ELA</b>  | 97%         | 97%         | 97%         | 99%         |
| <b>Math</b>   | 94%         | 93%         | 93%         | 92%         |
| <b>Physics</b>  | 88%         | 92%         | 88%         | 89%         |

# Class of 2018- Appeals

No appeals were filed for the class of 2018.  
No 2018 student did not graduate because of the MCAS examinations

In 2017 there were two seniors had not passed all MCAS tests. One graduated in August 2017 (Sci MCAS), the other following the November retest (Math MCAS)

# 2017 MCAS Results

## MCAS FAILURES ON FIRST TESTING

| ELA - 2014  | ELA - 2015  | ELA - 2016  | ELA - 2017  |
|-------------|-------------|-------------|-------------|
| 1%          | 0%          | 1%          | 0.4% (n=2)  |
| MATH - 2014 | MATH - 2015 | MATH - 2016 | MATH - 2017 |
| 2%          | 3%          | 2%          | 2.1% (n=10) |
| Phys.- 2014 | Phys- 2015  | Phys- 2016  | Phys- 2017  |
| 2%          | 2%          | 2%          | 2.6% (n=12) |

# ELA MCAS Scores 2014 - 2017

## Whole School Scores and Scores Disaggregated by Sub-Groups

(Percentages Represent Total Number of Proficient and Advanced Scores)

|  | ELA 2014 | ELA 2015 | ELA 2016 | ELA 2017 |
|--|----------|----------|----------|----------|
| <b>BHS</b>                             | 97%      | 97%      | 97%      | 99%      |
| <b>BHSWHITE</b>                        | 99%      | 100%     | 99%      | 100%     |
| <b>BHS HISPANIC</b>                    | 91%      | 95%      | 92%      | 97%      |
| <b>BHSASIAN</b>                        | 96%      | 98%      | 98%      | 100%     |
| <b>BHSAA</b>                           | 88%      | 93%      | 81%      | 94%      |
| <b>BHSMULTI RACE/<br/>NON HISPANIC</b> | 96%      | 91%      | 98%      | 97%      |

# ELA MCAS 2017

## Brookline High - Grade 10 English Language Arts

|  | % Proficient or Higher | % Advanced | % Proficient | % Needs Improvement | % Warning/Failing | CPI   | N Included | Median SGP | N Included in SGP | Achievement Percentile |
|--|------------------------|------------|--------------|---------------------|-------------------|-------|------------|------------|-------------------|------------------------|
| <b>All Students</b>                          |                        |            |              |                     |                   |       |            |            |                   |                        |
| All Students                                 | 99                     | 78         | 21           | 1                   | 0                 | 99.2  | 473        | 66.0       | 422               |                        |
| <b>Economic Status</b>                       |                        |            |              |                     |                   |       |            |            |                   |                        |
| Economically Disadvantaged                   | 91                     | 45         | 46           | 5                   | 4                 | 95.1  | 56         | 52.0       | 45                |                        |
| Non-Economically Disadvantaged               | 100                    | 82         | 17           | 0                   | 0                 | 99.8  | 417        | 68.0       | 377               |                        |
| <b>Disability Status</b>                     |                        |            |              |                     |                   |       |            |            |                   |                        |
| Students w/ Disabilities                     | 91                     | 39         | 52           | 6                   | 3                 | 95.3  | 79         | 54.0       | 72                |                        |
| Non-Disabled                                 | 100                    | 86         | 14           | 0                   | 0                 | 100.0 | 394        | 70.0       | 360               |                        |
| <b>English Language Learner (ELL) Status</b> |                        |            |              |                     |                   |       |            |            |                   |                        |
| ELL  |                        |            |              |                     |                   |       | 9          |            | 3                 |                        |
| Non-ELL                                      | 98                     | 79         | 19           | 1                   | 0                 | 99.2  | 464        | 66.0       | 419               |                        |
| <b>Race/Ethnicity</b>                        |                        |            |              |                     |                   |       |            |            |                   |                        |
| African Amer./Black                          | 93                     | 37         | 57           | 3                   | 3                 | 95.8  | 30         | 52.5       | 28                |                        |
| Asian  | 100                    | 83         | 17           | 0                   | 0                 | 100.0 | 70         | 78.0       | 57                |                        |
| Hispanic/Latino                              | 96                     | 60         | 29           | 4                   | 0                 | 90.7  | 56         | 69.5       | 52                |                        |
| Multi-Race, Non-Hisp./Lat.                   | 97                     | 87         | 10           | 3                   | 0                 | 98.4  | 31         | 76.5       | 28                |                        |
| Nat. Haw. or Pacif. Isl.                     |                        |            |              |                     |                   |       | 1          |            | 1                 |                        |
| White  | 99                     | 82         | 18           | 0                   | 0                 | 99.6  | 285        | 62.5       | 256               |                        |
| <b>Gender</b>                                |                        |            |              |                     |                   |       |            |            |                   |                        |
| Male   | 97                     | 69         | 28           | 2                   | 1                 | 98.5  | 224        | 62.0       | 199               |                        |
| Female                                       | 100                    | 86         | 14           | 0                   | 0                 | 99.8  | 249        | 70.0       | 223               |                        |
| <b>Title 1 Status</b>                        |                        |            |              |                     |                   |       |            |            |                   |                        |
| Non-Title 1                                  | 99                     | 78         | 21           | 1                   | 0                 | 99.2  | 473        | 66.0       | 422               |                        |
| <b>High Needs Status</b>                     |                        |            |              |                     |                   |       |            |            |                   |                        |
| High Needs                                   | 94                     | 47         | 47           | 4                   | 2                 | 96.8  | 119        | 56.5       | 100               |                        |
| Non-High Needs                               | 100                    | 88         | 12           | 0                   | 0                 | 100.0 | 354        | 71.0       | 322               |                        |
| <b>Former ELL Status</b>                     |                        |            |              |                     |                   |       |            |            |                   |                        |
| Former ELL                                   |                        |            |              |                     |                   |       | 5          |            | 4                 |                        |
| Non-Former ELL                               | 99                     | 78         | 21           | 1                   | 0                 | 99.2  | 468        | 66.0       | 418               |                        |
| <b>ELL and Former ELL Status</b>             |                        |            |              |                     |                   |       |            |            |                   |                        |
| ELL and Former ELL                           | 100                    | 43         | 57           | 0                   | 0                 | 100.0 | 14         |            | 7                 |                        |
| <b>Ever ELL Status</b>                       |                        |            |              |                     |                   |       |            |            |                   |                        |
| Ever ELL                                     | 98                     | 68         | 30           | 2                   | 0                 | 99.1  | 57         | 75.0       | 45                |                        |

# MATH MCAS Scores 2014 - 2017

## Whole School Scores and Scores Disaggregated by Sub-Groups

(Percentages Represent Total Number of Proficient and Advanced Scores)

|                                       | Math 2014 | Math 2015 | Math 2016 | Math 2017 |
|---------------------------------------|-----------|-----------|-----------|-----------|
| <b>BHS</b>                            | 94%       | 93%       | 93%       | 92%       |
| <b>BHSWHITE</b>                       | 98%       | 96%       | 91%       | 95%       |
| <b>BHS HISPANIC</b>                   | 84%       | 78%       | 82%       | 82%       |
| <b>BHSASIAN</b>                       | 98%       | 100%      | 100%      | 100%      |
| <b>BHSAA</b>                          | 79%       | 78%       | 72%       | 66%       |
| <b>BHSMULTIRACE/<br/>NON HISPANIC</b> | 93%       | 90%       | 94%       | 97%       |

# MATH MCAS 2017

## Brookline High - Grade 10 Mathematics

|  | % Proficient or Higher | % Advanced | % Proficient | % Needs Improvement | % Warning/Failing | CPI   | N Included | Median SGP | N Included in SGP | Achievement Percentile |
|--|------------------------|------------|--------------|---------------------|-------------------|-------|------------|------------|-------------------|------------------------|
| <b>All Students</b>                          |                        |            |              |                     |                   |       |            |            |                   |                        |
| All Students                                 | 92                     | 79         | 13           | 6                   | 2                 | 96.3  | 471        | 63.0       | 421               |                        |
| <b>Economic Status</b>                       |                        |            |              |                     |                   |       |            |            |                   |                        |
| Economically Disadvantaged                   | 68                     | 39         | 29           | 20                  | 12                | 82.6  | 56         | 46.0       | 45                |                        |
| Non-Economically Disadvantaged               | 96                     | 85         | 11           | 4                   | 1                 | 98.2  | 415        | 64.5       | 376               |                        |
| <b>Disability Status</b>                     |                        |            |              |                     |                   |       |            |            |                   |                        |
| Students w/ Disabilities                     | 70                     | 34         | 35           | 19                  | 11                | 83.9  | 79         | 52.0       | 71                |                        |
| Non-Disabled                                 | 97                     | 88         | 9            | 3                   | 0                 | 98.9  | 392        | 65.0       | 350               |                        |
| <b>English Language Learner (ELL) Status</b> |                        |            |              |                     |                   |       |            |            |                   |                        |
| ELL  |                        |            |              |                     |                   |       | 9          |            | 3                 |                        |
| Non-ELL                                      | 93                     | 80         | 13           | 5                   | 2                 | 96.7  | 462        | 63.0       | 418               |                        |
| <b>Race/Ethnicity</b>                        |                        |            |              |                     |                   |       |            |            |                   |                        |
| African Amer./Black                          | 66                     | 38         | 28           | 24                  | 10                | 83.6  | 29         | 47.0       | 27                |                        |
| Asian  | 100                    | 90         | 10           | 0                   | 0                 | 100.0 | 70         | 69.0       | 57                |                        |
| Hispanic/Latino                              | 82                     | 39         | 23           | 14                  | 4                 | 92.4  | 56         | 66.0       | 52                |                        |
| Multi-Race, Non-Hisp./Lat.                   | 97                     | 94         | 3            | 0                   | 3                 | 97.6  | 31         | 69.5       | 28                |                        |
| Nat. Haw. or Pacif. Isl.                     |                        |            |              |                     |                   |       | 1          |            | 1                 |                        |
| White  | 95                     | 83         | 12           | 4                   | 1                 | 97.4  | 284        | 61.0       | 256               |                        |
| <b>Gender</b>                                |                        |            |              |                     |                   |       |            |            |                   |                        |
| Male   | 90                     | 78         | 12           | 6                   | 4                 | 94.6  | 226        | 68.5       | 202               |                        |
| Female                                       | 94                     | 80         | 14           | 5                   | 0                 | 98.0  | 245        | 58.0       | 219               |                        |
| <b>Title 1 Status</b>                        |                        |            |              |                     |                   |       |            |            |                   |                        |
| Non-Title 1                                  | 92                     | 79         | 13           | 6                   | 2                 | 96.3  | 471        | 63.0       | 421               |                        |
| <b>High Needs Status</b>                     |                        |            |              |                     |                   |       |            |            |                   |                        |
| High Needs                                   | 74                     | 44         | 30           | 18                  | 8                 | 86.8  | 119        | 56.0       | 99                |                        |
| Non-High Needs                               | 99                     | 91         | 7            | 1                   | 0                 | 99.6  | 352        | 65.0       | 322               |                        |
| <b>Former ELL Status</b>                     |                        |            |              |                     |                   |       |            |            |                   |                        |
| Former ELL                                   |                        |            |              |                     |                   |       | 5          |            | 4                 |                        |
| Non-Former ELL                               | 92                     | 79         | 13           | 6                   | 2                 | 96.3  | 466        | 63.0       | 417               |                        |
| <b>ELL and Former ELL Status</b>             |                        |            |              |                     |                   |       |            |            |                   |                        |
| ELL and Former ELL                           | 71                     | 64         | 7            | 21                  | 7                 | 85.7  | 14         |            | 7                 |                        |
| <b>Ever ELL Status</b>                       |                        |            |              |                     |                   |       |            |            |                   |                        |
| Ever ELL                                     | 89                     | 77         | 12           | 5                   | 5                 | 93.9  | 57         | 64.0       | 45                |                        |



# SCIENCE MCAS Scores 2014 - 2017

| <b>Whole School Scores and Scores Disaggregated by Sub-Groups</b>             |                         |                         |                         |                         |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>(Percentages Represent Total Number of Proficient and Advanced Scores)</b> |                         |                         |                         |                         |
|   | <b>Physics<br/>2014</b> | <b>Physics<br/>2015</b> | <b>Physics<br/>2016</b> | <b>Physics<br/>2017</b> |
| <b>BHS</b>  | 88%                     | 92%                     | 88%                     | 88%                     |
| <b>BHS WHITE</b>  | 94%                     | 95%                     | 92%                     | 92%                     |
| <b>BHS HISPANIC</b>   | 76%                     | 89%                     | 81%                     | 81%                     |
| <b>BHS ASIAN</b>  | 89%                     | 98%                     | 91%                     | 91%                     |
| <b>BHS AA</b>   | 68%                     | 58%                     | 53%                     | 53%                     |
| <b>BHS MULTIRACE/<br/>NON HISPANIC</b>  | 75%                     | 89%                     | 100%                    | 100%                    |

# November 2017 Retest

|  |           |
|--|-----------|
| <b>Students to take Nov. MCAS Retest</b> | <b>27</b> |
| Newly enrolled students                  | 8         |
| Previously tested BHS students           | 12        |
| ELL Students                             | 3         |
| Absent 2017                              | 4         |

|  |           |
|--|-----------|
| <b>Students to take Nov. ELA &amp; Math Retest</b> | <b>11</b> |
| Newly enrolled students                            | 8         |
| Previously tested BHS students                     | 2         |
| Absent for both 2017                               | 1         |

|   |           |
|---|-----------|
| <b>Students to take only Nov. ELA Retest</b>  | <b>4</b>  |
| Absent for 2017                               | 1         |
| ELL Students                                  | 3         |
| <b>Students to take only Nov. Math Retest</b> | <b>12</b> |
| Newly enrolled students                       | 1         |
| Absent 2017                                   | 1         |
| Previously tested                             | 10        |

Results:

1 student failed ELA

6 students failed Math

# March 2018 Retest

## **Students to take March retest: 7**

Newly Enrolled students: 3

Previously tested BHS students: 3

Previously Absent Student 1

## **Students taking ELA and Math Retest: 4**

Newly Enrolled Students: 3

Previously Absent Students: 1

## **Students to take only Math March Retest: 3**

Previously Tested BHS Students: 3

Previously Absent Student: 0

Results: The one student who had previously been absent for both ELA and Math failed both exams.

All other students passed either ELA, Math or both.

# February 2018 Biology Test

- Number of Students to take Biology: 17
- Number of New Students: 14\*
- Number of Previously Tested BHS Students: 3
- Result: All students passed.

\*Students designated as new include 11<sup>th</sup> grade students who did not participate in the retests as they will participate in the grade 10 exams.