# Massachusetts Comprehensive Assessment System 

## Results of Spring 2008

ELA (Gr.3-8 \& 10) Mathematics (Gr.3-8 \& 10), Science (Gr. 5, 8, and high school)


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## TABLE OF CONTENTS

Executive Summary ..... 1
Summary of Improvements ..... 2
Results by Racial/Ethnic Groups:
ELA (grades 3-8 \& 10) ..... 5
Mathematics (grades 3-8 \& 10) ..... 6
Science (grades 5 \& 8) ..... 7
Results by Other AYP Subgroups
ELA (grades 3-8 \& 10) ..... 8
Mathematics (grades 3-8 \& 10) ..... 9
Science (grades 5 \& 8) ..... 10
Competency Determination Results ..... 10
High School Science by Subject, Graduating Class, and Grade ..... 12
2006-2008 MCAS Results by Subgroup for Boston Public Schools ..... 13
Appendix: MCAS Background ..... 23

## Background

- This report presents the results of the MCAS tests administered in 2008 in English Language Arts (ELA) grades 3-8 and 10; Mathematics grades 3-8 and 10; and Science and Technology/Engineering (STE) grades 5, 8 , and high school.


## Yearly Gains

- ELA passing rates in 2008 were generally flat or declined; the percentage of students scoring in the Proficient \& Advanced categories also declined. Notable exceptions were grades 6, 8, and 10, where the percentage of students in the Proficient \& Advanced categories increased significantly.
- In Mathematics, the percentage of students passing, as well as the percentage scoring Proficient \& Advanced, increased or remained constant at every grade tested.


## Comparisons with State

- State-wide, changes in pass rates as well as percentage Proficient \& Advanced in ELA were generally stagnant or declined compared to 2007, except in grade 10. BPS saw gains in grades 6,8 , and 10 in the percent Proficient \& Advanced.
- In Mathematics, improvements in the percentage of BPS students passing and those scoring Proficient \& Advanced exceeded or matched the state, except in grades 3,5 , and 6.


## High School

- Students in grade 10 made significant gains in both ELA and Mathematics: the percentage of students passing, as well as the percent Proficient \& Advanced increased in both subjects. In addition, the 1-year gains made by grade 10 students exceeded state gains.
- Results of the Science \& Technology/Engineering tests show that a majority of students in the class of 2010 (61\%) have already met their new STE competency determination requirement. However, less than half of students with disabilities and limited English proficient students had met this requirement ( $27 \%$ and $38 \%$, respectively).
- Based on the new Competency Determination requirements, $57 \%$ of the graduating Class of 2010 has passed ELA, Mathematics, and Science; 32\% of them will have to fulfill an Educational Proficiency Plan (EPP), but not have to retake the MCAS, in ELA; and $25 \%$ of them will need to fulfill an EPP, but not have to retake the MCAS, in Mathematics.


## Achievement Gap

- The achievement gap between African American and Hispanic students and the highest performing subgroup persists, but comparisons between 2007 and 2008 show a narrowing of that gap in ELA in grades 3, 4, 8, and 10. In Mathematics, neither African American nor Hispanic students have narrowed the gap in grades 3 and 7 .


## Summary of Improvements: ELA, Mathematics, and Science

## Percent Passing

English Language Arts \% Passing (Needs Improvement or higher)

|  | BPS |  |  |  | State |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif |  |
| Grade 3 | $78 \%$ | $74 \%$ | $-4 \%$ | $91 \%$ | $87 \%$ | $-4 \%$ |  |
| Grade 4 | $75 \%$ | $73 \%$ | $-2 \%$ | $90 \%$ | $87 \%$ | $-3 \%$ |  |
| Grade 5 | $80 \%$ | $80 \%$ | $0 \%$ | $91 \%$ | $91 \%$ | $0 \%$ |  |
| Grade 6 | $81 \%$ | $80 \%$ | $-1 \%$ | $92 \%$ | $91 \%$ | $-1 \%$ |  |
| Grade 7 | $82 \%$ | $82 \%$ | $0 \%$ | $92 \%$ | $92 \%$ | $0 \%$ |  |
| Grade 8 | $85 \%$ | $85 \%$ | $0 \%$ | $93 \%$ | $93 \%$ | $0 \%$ |  |
| Grade 10 | $87 \%$ | $91 \%$ | $4 \%$ | $95 \%$ | $96 \%$ | $1 \%$ |  |
|  |  |  |  |  |  |  |  |

Exceed or equal State gains
Equal to or less severe than Sate losses

- Compared to 2007, the percentage of students passing ELA declined or remained constant in all grades, except grade 10 .
- Compared to 2007, the improvement in the grade 10 passing rate exceeded the state-wide gain. One-year changes in passing rates in all other grades were equal to, or no worse than, the statewide changes.

Mathematics \% Passing (Needs Improvement or higher)

|  |  | BPS |  |  | State |  |  |  |
| :--- | :--- | :--- | :---: | :--- | :--- | :--- | :---: | :---: |
|  | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif |  |  |
| Grade 3 | $67 \%$ | $68 \%$ | $1 \%$ | $84 \%$ | $86 \%$ | $2 \%$ |  |  |
| Grade 4 | $73 \%$ | $77 \%$ | $4 \%$ | $87 \%$ | $87 \%$ | $0 \%$ |  |  |
| Grade 5 | $67 \%$ | $67 \%$ | $0 \%$ | $82 \%$ | $82 \%$ | $0 \%$ |  |  |
| Grade 6 | $60 \%$ | $61 \%$ | $1 \%$ | $80 \%$ | $82 \%$ | $2 \%$ |  |  |
| Grade 7 | $56 \%$ | $56 \%$ | $0 \%$ | $76 \%$ | $76 \%$ | $0 \%$ |  |  |
| Grade 8 | $58 \%$ | $60 \%$ | $2 \%$ | $75 \%$ | $76 \%$ | $1 \%$ |  |  |
| Grade 10 | $82 \%$ | $84 \%$ | $2 \%$ | $91 \%$ | $91 \%$ | $0 \%$ |  |  |
|  |  |  |  |  |  |  |  |  |

Exceed or equal State gains

- The percentage of students passing Mathematics improved across all grades, except grades 5 and 6.
- The improvements exceeded or were equal to State gains for all grades, except grades 3 and 6 .

Science and Tech/Eng \% Passing (Needs Improvement or higher)

|  | BPS |  |  | State |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif | 2007 | $\mathbf{2 0 0 8}$ | Dif |
| Grade 5 | $69 \%$ | $63 \%$ | $-6 \%$ | $88 \%$ | $88 \%$ | $0 \%$ |
| Grade 8 | $46 \%$ | $48 \%$ | $2 \%$ | $77 \%$ | $78 \%$ | $1 \%$ |
|  |  |  |  |  |  |  |

Exceed or equal State gains

- The percentage of grade 5 students passing science dropped 6 points, from $69 \%$ in 2007 to 63\% in 2008.
- Despite a two-point increase, less than half of grade 8 students passed the science test.


## Percent Proficient and Advanced / Above Proficient

English Language Arts \% Proficient \& Advanced / Above Proficient

|  | BPS |  |  |  | State |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif |  |
| Grade 3 | $32 \%$ | $29 \%$ | $-3 \%$ | $59 \%$ | $56 \%$ | $-3 \%$ |  |
| Grade 4 | $31 \%$ | $25 \%$ | $-6 \%$ | $56 \%$ | $49 \%$ | $-7 \%$ |  |
| Grade 5 | $40 \%$ | $37 \%$ | $-3 \%$ | $63 \%$ | $61 \%$ | $-2 \%$ |  |
| Grade 6 | $39 \%$ | $43 \%$ | $4 \%$ | $67 \%$ | $67 \%$ | $0 \%$ |  |
| Grade 7 | $49 \%$ | $48 \%$ | $-1 \%$ | $69 \%$ | $69 \%$ | $0 \%$ |  |
| Grade 8 | $55 \%$ | $57 \%$ | $2 \%$ | $75 \%$ | $75 \%$ | $0 \%$ |  |
| Grade 10 | $50 \%$ | $58 \%$ | $8 \%$ | $71 \%$ | $75 \%$ | $4 \%$ |  |
|  |  |  |  |  |  |  |  |

Exceed or equal State gains
Equal to or less severe than Sate losses

- Compared to 2007, students in grades 6,8 , and 10 saw increases in their proficient and advanced rates in ELA. By contrast, students in the elementary grades experienced a drop in their proficient and advanced rates.
- Grade 10 students made the most gains (8\%), double the gains made state-wide.

| Mathematics \% Proficient \& Advanced / Above Proficient |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |
|  | BPS |  | State |  | State |  |
|  | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif |
| Grade 3 | $36 \%$ | $36 \%$ | $0 \%$ | $60 \%$ | $61 \%$ | $1 \%$ |
| Grade 4 | $27 \%$ | $30 \%$ | $3 \%$ | $48 \%$ | $49 \%$ | $1 \%$ |
| Grade 5 | $33 \%$ | $33 \%$ | $0 \%$ | $51 \%$ | $52 \%$ | $1 \%$ |
| Grade 6 | $29 \%$ | $32 \%$ | $3 \%$ | $52 \%$ | $56 \%$ | $4 \%$ |
| Grade 7 | $26 \%$ | $28 \%$ | $2 \%$ | $46 \%$ | $47 \%$ | $1 \%$ |
| Grade 8 | $27 \%$ | $34 \%$ | $7 \%$ | $45 \%$ | $49 \%$ | $4 \%$ |
| Grade 10 | $55 \%$ | $59 \%$ | $4 \%$ | $68 \%$ | $72 \%$ | $4 \%$ |
|  |  |  |  |  |  |  |

Exceed or equal State gains

- The percentage of students scoring proficient and above in Mathematics increased in all grades, except grades 3 and 5 . There were no reductions in any grade in the percent proficient and advanced.
- In grades 4, 7, 8, and 10, the 1-year gains exceeded or equaled state gains.

Science and Technology / Engineering \% Proficient \& Advanced

|  | BPS |  |  | State |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | Dif |
| Grade 5 | $21 \%$ | $17 \%$ | $-4 \%$ | $51 \%$ | $50 \%$ | $-1 \%$ |
| Grade 8 | $8 \%$ | $10 \%$ | $2 \%$ | $33 \%$ | $39 \%$ | $6 \%$ |

- Less than a quarter of students in grades 5 and 8 are proficient or advanced in science.


## Results by Racial / Ethnic Groups:

## English Language Arts: Percent Proficient \& Advanced/Above Proficient

|  | 07-08 Change <br> in \% Scoring <br>  | 07-08 Change in <br> Proficiency Gap for Blacks <br> and Hispanics Compared to <br> Highest Performing Subgroup |
| :--- | :---: | :---: |

Grade 3

| AA/Black | $27 \%$ | $24 \%$ | $-3 \%$ | -1 |
| :--- | :--- | :--- | :--- | :--- |
| Asian | $46 \%$ | $50 \%$ | $4 \%$ | - |
| Latino/Hispanic | $26 \%$ | $23 \%$ | $-3 \%$ | -1 |
| White | $54 \%$ | $48 \%$ | $-6 \%$ | - |
|  |  |  |  |  |
| Grade 4 |  |  | $-7 \%$ | -3 |
| AA/Black | $26 \%$ | $19 \%$ | $-8 \%$ | -7 |
| Asian | $52 \%$ | $44 \%$ | $-3 \%$ | - |
| Latino/Hispanic | $23 \%$ | $20 \%$ | $-10 \%$ |  |
| White | $56 \%$ | $46 \%$ |  |  |

Grade 5

| AA/Black | $32 \%$ | $31 \%$ | $-1 \%$ | 1 |
| :--- | :--- | :--- | :--- | :--- |
| Asian | $60 \%$ | $59 \%$ | $-1 \%$ | - |
| Latino/Hispanic | $35 \%$ | $30 \%$ | $-5 \%$ | 5 |
| White | $61 \%$ | $61 \%$ | $0 \%$ | - |

Grade 6

| AA/Black | $30 \%$ | $37 \%$ | $7 \%$ | 1 |
| :--- | :--- | :--- | :--- | :--- |
| Asian | $63 \%$ | $71 \%$ | $8 \%$ | - |
| Latino/Hispanic | $35 \%$ | $38 \%$ | $3 \%$ | 5 |
| White | $62 \%$ | $60 \%$ | $-2 \%$ | - |
|  |  |  |  |  |
| Grade 7 |  | $-2 \%$ | 5 |  |
| AA/Black | $41 \%$ | $39 \%$ | $1 \%$ | - |
| Asian | $69 \%$ | $70 \%$ | $-1 \%$ | 4 |
| Latino/Hispanic | $41 \%$ | $40 \%$ | $3 \%$ | - |
| White | $72 \%$ | $75 \%$ |  |  |

Grade 8

| AA/Black | $48 \%$ | $49 \%$ | $1 \%$ | -2 |
| :--- | :--- | :--- | :--- | :--- |
| Asian | $74 \%$ | $76 \%$ | $2 \%$ | - |
| Latino/Hispanic | $48 \%$ | $51 \%$ | $3 \%$ | -4 |
| White | $80 \%$ | $79 \%$ | $-1 \%$ | - |

Grade 10

| AA/Black | $40 \%$ | $48 \%$ | $8 \%$ | -4 |
| :--- | :--- | :--- | :--- | :---: |
| Asian | $76 \%$ | $80 \%$ | $4 \%$ | - |
| Latino/Hispanic | $43 \%$ | $50 \%$ | $7 \%$ | -3 |
| White | $74 \%$ | $79 \%$ | $5 \%$ | - |

- In grades 4 and 5, students of all racial / ethnic groups experienced a decline in their percentage proficient and advanced in ELA. White students in grade 4 saw the largest drop ( $-10 \%$ ) in their proficient and advanced rate.
- A larger percentage of African American, Asian, Hispanic, and White students in grade 10 scored in the proficient and advanced category compared to 2007.
- The proficiency gap for African American and Hispanic students, compared to the highest performing subgroup, decreased in all grades except grades 5, 6, and 7.


## Mathematics: Percent Proficient \& Advanced/Above Proficient

|  | 07-08 Change <br> in \% Scoring <br>  | 07-08 Change in <br> Proficiency Gap for Blacks <br> and Hispanics Compared to <br> Highest Performing Subgroup |
| :--- | :---: | :---: | :---: |

Grade 3

| AA/Black | $31 \%$ | $29 \%$ | $-2 \%$ | 7 |
| :--- | :--- | :--- | :--- | :--- |
| Asian | $64 \%$ | $69 \%$ | $5 \%$ | - |
| Latino/Hispanic | $28 \%$ | $29 \%$ | $1 \%$ | 4 |
| White | $55 \%$ | $55 \%$ | $0 \%$ | - |

Grade 4

| AA/Black | $18 \%$ | $23 \%$ | $5 \%$ | -6 |
| :--- | :---: | :---: | :---: | :---: |
| Asian | $64 \%$ | $63 \%$ | $-1 \%$ | - |
| Latino/Hispanic | $21 \%$ | $24 \%$ | $3 \%$ | -4 |
| White | $52 \%$ | $48 \%$ | $-4 \%$ | - |
|  |  |  |  |  |
| Grade 5 |  |  | -3 |  |
| AA/Black | $22 \%$ | $23 \%$ | $1 \%$ | - |
| Asian | $74 \%$ | $72 \%$ | $-2 \%$ | 2 |
| Latino/Hispanic | $29 \%$ | $25 \%$ | $-4 \%$ | - |
| White | $53 \%$ | $55 \%$ | $2 \%$ |  |

## Grade 6

| AA/Black | $17 \%$ | $22 \%$ | $5 \%$ | -3 |
| :--- | :---: | :---: | :---: | :---: |
| Asian | $73 \%$ | $75 \%$ | $2 \%$ | - |
| Latino/Hispanic | $23 \%$ | $28 \%$ | $5 \%$ | -3 |
| White | $51 \%$ | $48 \%$ | $-3 \%$ | - |
|  |  |  |  |  |
| Grade 7 |  |  |  |  |
| AA/Black | $16 \%$ | $17 \%$ | $1 \%$ | 7 |
| Asian | $63 \%$ | $71 \%$ | $8 \%$ | - |
| Latino/Hispanic | $19 \%$ | $19 \%$ | $0 \%$ | 8 |
| White | $45 \%$ | $57 \%$ | $12 \%$ | - |


|  | 2007 | 2008 | 07-08 Change in \% Scoring Proficient \& Above | 07-08 Change in Proficiency Gap for Blacks and Hispanics Compared to Highest Performing Subgroup |
| :---: | :---: | :---: | :---: | :---: |
| Grade 8 |  |  |  |  |
| AA/Black | 14\% | 22\% | 8\% | -1 |
| Asian | 67\% | 74\% | 7\% | - |
| Latino/Hispanic | 20\% | 26\% | 6\% | 1 |
| White | 52\% | 57\% | 5\% | - |
| Grade 10 |  |  |  |  |
| AA/Black | 45\% | 46\% | 1\% | 2 |
| Asian | 89\% | 92\% | 3\% | - |
| Latino/Hispanic | 48\% | 54\% | 6\% | -3 |
| White | 74\% | 80\% | 6\% | - |

- In Mathematics, the percentage of students in all racial / ethnic groups scoring proficient and advanced increased in grades 8 and 10. White students in grade 7 saw the greatest gain (12\%) in their proficient and advanced rate.
- The gap between African American and Hispanic students, and the highest performing subgroup, decreased in grades 4 and 6 . Increases in the proficiency gap were most pronounced in grade 7.


## Science Technology/Engineering: Percent Proficient \& Advanced/Above Proficient

| 07-08 Change | 07-08 Change in |
| :---: | :---: |
| in \% Scoring | Proficiency Gap for Blacks |
| Proficient \& | and Hispanics Compared to |
| Above | Highest Performing Subgroup |

Grade 5

| AA/Black | $13 \%$ | $10 \%$ | $-3 \%$ | -1 |
| :--- | :---: | :---: | :---: | :---: |
| Asian | $46 \%$ | $42 \%$ | $-4 \%$ | - |
| Latino/Hispanic | $16 \%$ | $11 \%$ | $-5 \%$ | 1 |
| White | $45 \%$ | $39 \%$ | $-6 \%$ | - |
|  |  |  |  |  |
| Grade 8 |  |  |  |  |
| AA/Black | $4 \%$ | $5 \%$ | $1 \%$ | 5 |
| Asian | $22 \%$ | $28 \%$ | $6 \%$ | - |
| Latino/Hispanic | $4 \%$ | $5 \%$ | $1 \%$ | - |
| White | $19 \%$ | $24 \%$ | $5 \%$ |  |

- The performance of students by racial / ethnic group on the grade 5 and 8 science tests mirrors the overall student performance: in grade 5 , the percent proficient and advanced dropped for all groups; in grade 8, all student groups saw gains.
- The proficiency gap was narrowed for African American students in grade 5, but increased in grade 8; the gap for Hispanic students increased in both grades.


## Results by Other AYP Subgroups:

## English Language Arts: Percent Proficient \& Advanced/Above Proficient

|  | 07-08 Change in <br> \% Scoring | 07-08 Change in <br> Proficiency Gap <br> Compared to All |
| :---: | :---: | :---: |
| 2007 | 2008 |  |
| Above | Students |  |

## Grade 3

| Students w/ Disab | $12 \%$ | $10 \%$ | $-2 \%$ | -1 |
| :--- | :---: | :---: | :---: | :---: |
| LEP/FLEP | $26 \%$ | $21 \%$ | $-5 \%$ | 2 |
| Low Income | $27 \%$ | $25 \%$ | $-2 \%$ | -1 |
| All Students | $32 \%$ | $29 \%$ | $-3 \%$ | - |
| Grade 4 |  |  |  |  |
| Students w/ Disab | $7 \%$ | $6 \%$ | $-1 \%$ | -5 |
| LEP/FLEP | $28 \%$ | $18 \%$ | $-10 \%$ | 4 |
| Low Income | $26 \%$ | $21 \%$ | $-5 \%$ | -1 |
| All Students | $31 \%$ | $25 \%$ | $-6 \%$ | - |

Grade 5

| Students w/ Disab | $11 \%$ | $8 \%$ | $-3 \%$ | 0 |
| :--- | :---: | :---: | :---: | :---: |
| LEP/FLEP | $37 \%$ | $29 \%$ | $-8 \%$ | 5 |
| Low Income | $36 \%$ | $32 \%$ | $-4 \%$ | 1 |
| All Students | $40 \%$ | $37 \%$ | $-3 \%$ | - |

Grade 6

| Students w/ Disab | 9\% | 12\% | 3\% | 1 |
| :---: | :---: | :---: | :---: | :---: |
| LEP/FLEP | 24\% | 30\% | 6\% | -2 |
| Low Income | 35\% | 39\% | 4\% | 0 |
| All Students | 39\% | 43\% | 4\% | - |
| Grade 7 |  |  |  |  |
| Students w/ Disab | 10\% | 9\% | -1\% | 0 |
| LEP/FLEP | 26\% | 16\% | -10\% | 9 |
| Low Income | 43\% | 42\% | -1\% | 0 |
| All Students | 49\% | 48\% | -1\% | - |
| Grade 8 |  |  |  |  |
| Students w/ Disab | 18\% | 17\% | -1\% | 3 |
| LEP/FLEP | 18\% | 20\% | 2\% | 0 |
| Low Income | 50\% | 51\% | 1\% | 1 |
| All Students | 55\% | 57\% | 2\% | - |
| Grade 10 |  |  |  |  |
| Students w/ Disab | 12\% | 19\% | 7\% | 1 |
| LEP/FLEP | 23\% | 27\% | 4\% | 4 |
| Low Income | 45\% | 54\% | 9\% | -1 |
| All Students | 50\% | 58\% | 8\% | - |

- The percentage of special education students, English language learners, and low-income students in the proficient and above category increased in grades 6 and 10, compared to 2007.
- The proficiency gap for ELL students increased in all grades, except grade 6.

Mathematics: Percent Proficient \& Advanced/Above Proficient

| 07-08 Change in |  |  |
| :--- | :---: | :---: |
| \% Scoring |  |  |
|  |  |  |
| 2007 | Above | 07-08 Change in <br> Proficiency Gap <br> Compared to All <br> Students |
| 2008 |  |  |

## Grade 3

| Students w/ Disab | $16 \%$ | $19 \%$ | $3 \%$ | -3 |
| :--- | :---: | :---: | :---: | :---: |
| LEP/FLEP | $35 \%$ | $33 \%$ | $-2 \%$ | 2 |
| Low Income | $33 \%$ | $32 \%$ | $-1 \%$ | 1 |
| All Students | $36 \%$ | $36 \%$ | $0 \%$ | - |

Grade 4

| Students w/ Disab | 10\% | 11\% | 1\% | 2 |
| :---: | :---: | :---: | :---: | :---: |
| LEP/FLEP | 29\% | 28\% | -1\% | 4 |
| Low Income | 23\% | 26\% | 3\% | 0 |
| All Students | 27\% | 30\% | 3\% | - |
| Grade 5 |  |  |  |  |
| Students w/ Disab | 10\% | 10\% | 0\% | 0 |
| LEP/FLEP | 37\% | 30\% | -7\% | 7 |
| Low Income | 29\% | 30\% | 1\% | -1 |
| All Students | 33\% | 33\% | 0\% | - |
| Grade 6 |  |  |  |  |
| Students w/ Disab | 5\% | 8\% | 3\% | 0 |
| LEP/FLEP | 21\% | 25\% | 4\% | -1 |
| Low Income | 25\% | 29\% | 4\% | -1 |
| All Students | 29\% | 32\% | 3\% | - |
| Grade 7 |  |  |  |  |
| Students w/ Disab | 4\% | 4\% | 0\% | 2 |
| LEP/FLEP | 16\% | 13\% | -3\% | 5 |
| Low Income | 20\% | 22\% | 2\% | 0 |
| All Students | 26\% | 28\% | 2\% | - |
| Grade 8 |  |  |  |  |
| Students w/ Disab | 4\% | 6\% | 2\% | 5 |
| LEP/FLEP | 12\% | 15\% | 3\% | 4 |
| Low Income | 23\% | 28\% | 5\% | 2 |
| All Students | 27\% | 34\% | 7\% | - |
| Grade 10 |  |  |  |  |
| Students w/ Disab | 16\% | 19\% | 3\% | 1 |
| LEP/FLEP | 39\% | 47\% | 8\% | -4 |
| Low Income | 52\% | 57\% | 5\% | -1 |
| All Students | 55\% | 59\% | 4\% | - |

- Students with disabilities, English language learners, and low-income students in grades 6, 8, and 10 made improvements compared to 2007.
- The proficiency gap for students with disabilities was reduced in grade 3; ELL students reduced that gap in grades 6 and 10; low-income students reduced the gap in grades 5, 6, and 10.


## Science Technology/Engineering: Percent Proficient \& Advanced/Above Proficient

|  | 07-08 Change in <br> \% Scoring <br>  | 07-08 Change in <br> Proficiency Gap <br> Compared to All |
| :---: | :---: | :---: |
| 2007 | 2008 | Above |

Grade 5

| Students w/ Disab | $6 \%$ | $4 \%$ | $-2 \%$ | -2 |
| :--- | :---: | :---: | :---: | :---: |
| LEP/FLEP | $21 \%$ | $14 \%$ | $-7 \%$ | 3 |
| Low Income | $17 \%$ | $13 \%$ | $-4 \%$ | 0 |
| All Students | $21 \%$ | $17 \%$ | $-4 \%$ | - |
| Grade 8 |  |  |  |  |
| Students w/ Disab | $1 \%$ | $1 \%$ | $0 \%$ | 2 |
| LEP/FLEP | $3 \%$ | $3 \%$ | $0 \%$ | 2 |
| Low Income | $5 \%$ | $6 \%$ | $1 \%$ | 1 |
| All Students | $8 \%$ | $10 \%$ | $2 \%$ | - |

- On the science tests, only the $8^{\text {th }}$ grade low-income subgroup saw an increase in the percent proficient and advanced compared to 2007.


## Competency Determination Results

For the class of 2009 (and for students graduating in 2008 or earlier), earning a Competency Determination means that students must pass both the grade 10 English Language Arts and Mathematics tests by earning a score of 220 (Needs Improvement) or above.

Starting with the class of 2010, the standards to meet the Competency Determination have been enhanced. Students in the class of 2010 must meet or exceed the Proficient threshold scaled score of 240 on the English Language Arts and Mathematics grade 10 MCAS tests. Students who earn a scaled score between 220 and 238 in English Language Arts and Mathematics must also fulfill the requirements of an Educational Proficiency Plan*. Students in the class of 2010 must also pass a dis-

[^0]cipline- specific high school MCAS Science and Technology/Engineering test in Biology, Chemistry, Introductory Physics, or Technology/Engineering by meeting or exceeding the Needs Improvement threshold score of 220 on the test.

The following table displays the cumulative percentages of all students and student subgroups in the class of 2010 who took and passed the grade 10 MCAS tests in ELA, Mathematics, Science and Technology/Engineering, and in all three subjects combined, through the spring 2008 test administration.

Class of 2010: Cumulative \% of Grade 10 Students who Earned a Passing Score on ELA, Math, and STE as part of the Competency Determination Requirement ${ }^{1}$

|  | ELA | Math | ELA and <br> Math | STE | All 3 Tests |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| All Students | $84 \%^{*}$ | $77 \%^{* *}$ | $73 \%$ | $61 \%$ | $57 \%$ |
| Race/Ethnicity |  |  |  |  |  |
| AA/Black | $81 \%$ | $71 \%$ | $68 \%$ | $53 \%$ | $49 \%$ |
| Asian | $93 \%$ | $93 \%$ | $91 \%$ | $89 \%$ | $86 \%$ |
| Latino/Hispanic | $81 \%$ | $75 \%$ | $70 \%$ | $55 \%$ | $50 \%$ |
| White | $90 \%$ | $85 \%$ | $84 \%$ | $78 \%$ | $75 \%$ |
|  |  |  |  |  |  |
| Other AYP Subgroups |  |  |  |  |  |
| Students w/ Disab | $58 \%$ | $43 \%$ | $39 \%$ | $27 \%$ | $22 \%$ |
| LEP/FLEP | $62 \%$ | $61 \%$ | $53 \%$ | $38 \%$ | $34 \%$ |
| Low Income | $84 \%$ | $77 \%$ | $73 \%$ | $61 \%$ | $56 \%$ |

${ }^{1}$ Beginning with the class of 2010, to earn the Competency Determination, students must meet or exceed the Proficient threshold (scaled score of 240) in English Language Arts and Mathematics or earn a score of Needs Improvement (scaled score of 220-238) and fulfill the requirements of an Educational Proficiency Plan. In addition, students must meet or exceed the Needs Improvement threshold in Science and Technology/Engineering.

* $32 \%$ of students in the class of 2010 will require an EPP in ELA, but will not need to retake the MCAS test in that subject
${ }^{* *} 25 \%$ of students in the class of 2010 will require an EPP in Math, but will not need to retake the MCAS test in that subject
- $73 \%$ of students in the class of 2010 passed both ELA and Math, compared to $71 \%$ for the class of 2009.
- $57 \%$ of students in the class of 2010 passed all three required subjects.
- Although there are important differences in the percentage of students who passed all three tests by racial/ethnic group, students with disabilities and ELL students are the least likely to have passed all three tests.


## High School Science by Subject, Graduating Class, and Grade

The following table displays the number and percent of students in the classes of 2010 and 2011 who took and passed a discipline-specific high school Science and Technology/Engineering test in grade 9 or grade 10.

High School Science \& Tech/Eng Tests:
\% Passing STE in Grades 9 and 10: Classes of 2010 and 2011

|  | Class of 2010 <br> \% passing STE <br> ( $\mathrm{n}=$ =total test takers) | Class of 2011 <br> \% passing STE <br> $(\mathrm{n}=$ =total test takers) |
| :--- | :---: | :---: |
| Passed STE in Grade 9 | $80 \%(1420)$ | $80 \%(1017)$ |
| Biology | $35 \%(122)$ | $14 \%(56)$ |
| Chemistry | $42 \%(2417)$ | $58 \%(2370)$ |
| Physics | $78 \%(118)$ | $90 \%(146)$ |


| Passed STE in Grade 10 | $39 \%(1053)$ | - |
| :--- | :---: | :---: |
| Biology | $16 \%(307)$ | - |
| Chemistry | $62 \%(209)$ | - |
| Physics | $56 \%(34)$ | - |
| Tech/Eng |  |  |

- A larger number of $9^{\text {th }}$ graders in both the class of 2010 and 2011 took the Physics tests compared to other tests ( 2,417 students in the class of 2010, and 2,370 students in the class of 2011). The second most popular test in $9^{\text {th }}$ grade was Biology, attempted by 1,420 students in the class of 2010, and by 1,017 students in the class of 2011.
- $10^{\text {th }}$ graders were more likely to attempt the Biology test ( 1,053 students in the class of 2010).
- The percentage of students who took and passed Biology as $9^{\text {th }}$ graders remained unchanged for the class of 2011, compared to the class of 2010 (80\%).
- The percentage of students who passed Physics as $9^{\text {th }}$ graders was notably higher for the class of 2011 (58\%) than for the class of $2010(42 \%)$.
- Less than half the students passed the Biology test when they attempted it as $10^{\text {th }}$ graders (39\%).


## 2006-2008 MCAS Results by Subgroup for Boston Public Schools

by Grade then Subject

| GRADE 3 -READING |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | P+ | P | NI |  | P+ | P | NI | W |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 6 | 23 | 45 | 26 | 15 | 41 | 33 | 11 |
| 2007 | 5 | 27 | 46 | 22 | 14 | 45 | 32 | 9 |
| 2006 | 6 | 24 | 48 | 22 | 18 | 40 | 34 | 8 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 1 | 9 | 39 | 51 | 3 | 20 | 42 | 36 |
| 2007 | 1 | 11 | 41 | 47 | 3 | 24 | 44 | 29 |
| 2006 | 2 | 9 | 44 | 45 | 5 | 24 | 47 | 25 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 4 | 17 | 42 | 37 | 4 | 22 | 44 | 30 |
| 2007 | 3 | 23 | 46 | 28 | 4 | 25 | 46 | 25 |
| 2006 | 5 | 20 | 49 | 26 | 5 | 22 | 49 | 24 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 4 | 21 | 47 | 29 | 5 | 27 | 46 | 23 |
| 2007 | 3 | 24 | 48 | 24 | 4 | 32 | 46 | 18 |
| 2006 | 4 | 21 | 51 | 24 | 7 | 28 | 48 | 17 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 4 | 20 | 48 | 28 | 6 | 27 | 45 | 23 |
| 2007 | 3 | 24 | 49 | 23 | 5 | 31 | 47 | 18 |
| 2006 | 3 | 24 | 50 | 22 | 7 | 29 | 49 | 15 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 13 | 37 | 35 | 14 | 21 | 41 | 29 | 9 |
| 2007 | 10 | 36 | 40 | 15 | 20 | 44 | 28 | 8 |
| 2006 | 13 | 33 | 40 | 14 | 22 | 40 | 32 | 7 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 3 | 20 | 46 | 31 | 4 | 25 | 45 | 26 |
| 2007 | 3 | 23 | 47 | 27 | 4 | 28 | 46 | 22 |
| 2006 | 3 | 17 | 52 | 28 | 5 | 24 | 50 | 22 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 14 | 34 | 35 | 17 | 18 | 45 | 29 | 7 |
| 2007 | 15 | 39 | 34 | 11 | 16 | 50 | 28 | 6 |
| 2006 | 17 | 36 | 36 | 11 | 21 | 45 | 29 | 5 |



| GRADE 4 - ENGLISH LANGUAGE ARTS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI |  | A | P | NI | W |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 2 | 23 | 48 | 27 | 8 | 41 | 39 | 13 |
| 2007 | 4 | 27 | 44 | 26 | 10 | 46 | 34 | 10 |
| 2006 | 3 | 23 | 46 | 28 | 8 | 42 | 39 | 12 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 0 | 6 | 34 | 60 | 1 | 13 | 44 | 42 |
| 2007 | 0 | 7 | 37 | 56 | 1 | 18 | 47 | 34 |
| 2006 | - | 6 | 35 | 59 | 1 | 15 | 48 | 36 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 1 | 17 | 49 | 34 | 1 | 17 | 48 | 33 |
| 2007 | 3 | 25 | 43 | 28 | 3 | 24 | 46 | 28 |
| 2006 | 4 | 22 | 43 | 31 | 2 | 20 | 46 | 31 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 1 | 20 | 50 | 29 | 2 | 24 | 49 | 25 |
| 2007 | 2 | 24 | 46 | 28 | 3 | 29 | 48 | 21 |
| 2006 | 2 | 21 | 47 | 30 | 2 | 25 | 49 | 24 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 1 | 18 | 51 | 29 | 2 | 23 | 50 | 25 |
| 2007 | 2 | 24 | 47 | 28 | 3 | 29 | 48 | 21 |
| 2006 | 2 | 18 | 49 | 31 | 2 | 25 | 49 | 24 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 5 | 39 | 41 | 15 | 13 | 43 | 34 | 10 |
| 2007 | 11 | 41 | 34 | 13 | 17 | 46 | 29 | 8 |
| 2006 | 15 | 35 | 38 | 12 | 14 | 43 | 33 | 9 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 1 | 19 | 48 | 31 | 2 | 21 | 48 | 29 |
| 2007 | 2 | 21 | 46 | 31 | 2 | 26 | 47 | 25 |
| 2006 | 2 | 19 | 46 | 33 | 2 | 22 | 48 | 29 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 7 | 39 | 39 | 15 | 10 | 46 | 36 | 9 |
| 2007 | 11 | 45 | 31 | 13 | 12 | 51 | 30 | 6 |
| 2006 | 6 | 42 | 38 | 14 | 9 | 47 | 37 | 7 |


| GRADE 4 - MATHEMATICS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI |  | A | P | NI |  |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 9 | 21 | 47 | 23 | 20 | 29 | 38 | 13 |
| 2007 | 8 | 19 | 46 | 27 | 19 | 29 | 39 | 13 |
| 2006 | 8 | 18 | 47 | 27 | 15 | 25 | 45 | 15 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 2 | 9 | 41 | 48 | 4 | 14 | 44 | 39 |
| 2007 | 2 | 8 | 37 | 53 | 4 | 13 | 46 | 37 |
| 2006 | 1 | 8 | 38 | 52 | 3 | 12 | 46 | 39 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 8 | 20 | 48 | 24 | 9 | 19 | 44 | 29 |
| 2007 | 9 | 20 | 45 | 26 | 8 | 18 | 45 | 29 |
| 2006 | 10 | 19 | 44 | 28 | 7 | 15 | 46 | 32 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 7 | 19 | 49 | 25 | 8 | 21 | 47 | 24 |
| 2007 | 6 | 17 | 48 | 29 | 7 | 20 | 48 | 25 |
| 2006 | 6 | 17 | 48 | 29 | 6 | 15 | 51 | 28 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 5 | 18 | 50 | 28 | 7 | 19 | 48 | 26 |
| 2007 | 4 | 14 | 48 | 33 | 6 | 17 | 50 | 27 |
| 2006 | 3 | 15 | 50 | 33 | 4 | 14 | 52 | 30 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 28 | 35 | 32 | 6 | 38 | 28 | 26 | 7 |
| 2007 | 28 | 36 | 31 | 6 | 32 | 31 | 30 | 7 |
| 2006 | 30 | 28 | 34 | 7 | 28 | 29 | 34 | 9 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 6 | 18 | 50 | 26 | 8 | 20 | 45 | 27 |
| 2007 | 5 | 16 | 49 | 30 | 6 | 18 | 48 | 28 |
| 2006 | 6 | 15 | 48 | 31 | 5 | 13 | 49 | 33 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 18 | 30 | 39 | 14 | 23 | 33 | 36 | 9 |
| 2007 | 17 | 35 | 38 | 11 | 21 | 33 | 37 | 9 |
| 2006 | 19 | 30 | 39 | 12 | 17 | 28 | 44 | 10 |


| GRADE 5 - ENGLISH LANGUAGE ARTS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI |  | A | $P$ | NI | W |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 6 | 31 | 43 | 20 | 13 | 48 | 30 | 8 |
| 2007 | 7 | 33 | 40 | 21 | 15 | 48 | 28 | 9 |
| 2006 | 7 | 28 | 43 | 22 | 15 | 44 | 31 | 9 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 0 | 8 | 43 | 49 | 2 | 21 | 47 | 30 |
| 2007 | 1 | 10 | 37 | 52 | 2 | 23 | 43 | 31 |
| 2006 | 0 | 7 | 40 | 53 | 2 | 22 | 47 | 28 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 4 | 25 | 45 | 27 | 3 | 23 | 47 | 26 |
| 2007 | 5 | 32 | 40 | 23 | 4 | 26 | 42 | 28 |
| 2006 | 6 | 26 | 42 | 27 | 3 | 22 | 46 | 29 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 4 | 28 | 46 | 22 | 4 | 33 | 46 | 18 |
| 2007 | 4 | 32 | 42 | 22 | 4 | 34 | 43 | 18 |
| 2006 | 5 | 26 | 45 | 23 | 4 | 30 | 47 | 18 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 3 | 28 | 48 | 22 | 4 | 33 | 46 | 17 |
| 2007 | 3 | 29 | 44 | 24 | 4 | 35 | 43 | 18 |
| 2006 | 4 | 23 | 48 | 25 | 5 | 30 | 47 | 18 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 17 | 42 | 30 | 11 | 22 | 46 | 25 | 7 |
| 2007 | 14 | 46 | 32 | 8 | 23 | 45 | 25 | 7 |
| 2006 | 18 | 41 | 30 | 10 | 22 | 43 | 27 | 8 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 4 | 26 | 48 | 23 | 3 | 29 | 47 | 21 |
| 2007 | 5 | 30 | 42 | 23 | 4 | 30 | 43 | 23 |
| 2006 | 4 | 24 | 46 | 26 | 3 | 25 | 48 | 24 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 16 | 45 | 27 | 12 | 16 | 53 | 26 | 5 |
| 2007 | 17 | 44 | 26 | 13 | 17 | 53 | 24 | 5 |
| 2006 | 18 | 44 | 27 | 11 | 18 | 50 | 27 | 5 |


| GRADE 5 - MATHEMATICS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI |  | A | P | NI |  |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 11 | 22 | 34 | 34 | 22 | 30 | 30 | 17 |
| 2007 | 11 | 22 | 34 | 33 | 19 | 32 | 31 | 18 |
| 2006 | 8 | 17 | 35 | 40 | 17 | 26 | 34 | 23 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 2 | 8 | 25 | 65 | 4 | 14 | 33 | 49 |
| 2007 | 2 | 8 | 26 | 64 | 3 | 14 | 33 | 50 |
| 2006 | 1 | 4 | 25 | 70 | 3 | 11 | 31 | 55 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 10 | 20 | 36 | 34 | 9 | 19 | 34 | 38 |
| 2007 | 12 | 25 | 32 | 30 | 8 | 21 | 33 | 38 |
| 2006 | 9 | 19 | 36 | 36 | 7 | 15 | 32 | 46 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 9 | 21 | 35 | 35 | 8 | 22 | 37 | 32 |
| 2007 | 8 | 21 | 35 | 35 | 7 | 22 | 38 | 33 |
| 2006 | 6 | 16 | 36 | 42 | 6 | 16 | 37 | 42 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 5 | 18 | 36 | 41 | 8 | 20 | 39 | 33 |
| 2007 | 5 | 17 | 36 | 42 | 5 | 20 | 38 | 36 |
| 2006 | 3 | 12 | 35 | 49 | 4 | 14 | 37 | 44 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 40 | 32 | 20 | 8 | 42 | 29 | 20 | 9 |
| 2007 | 37 | 37 | 17 | 9 | 36 | 34 | 21 | 9 |
| 2006 | 33 | 30 | 28 | 8 | 32 | 28 | 27 | 13 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 6 | 19 | 37 | 37 | 7 | 20 | 37 | 37 |
| 2007 | 7 | 22 | 37 | 35 | 6 | 20 | 36 | 39 |
| 2006 | 5 | 16 | 37 | 42 | 4 | 14 | 34 | 48 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 24 | 31 | 28 | 17 | 26 | 33 | 29 | 13 |
| 2007 | 22 | 31 | 29 | 18 | 21 | 36 | 30 | 13 |
| 2006 | 18 | 29 | 34 | 19 | 19 | 29 | 34 | 17 |


| GRADE 5 - SCIENCE AND TECHNOLOGY |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI | W | A | P | NI | W |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 3 | 14 | 46 | 37 | 17 | 33 | 38 | 12 |
| 2007 | 4 | 17 | 48 | 32 | 14 | 37 | 37 | 12 |
| 2006 | 4 | 15 | 47 | 34 | 17 | 33 | 39 | 11 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 0 | 4 | 33 | 63 | 4 | 17 | 45 | 33 |
| 2007 | 0 | 6 | 37 | 56 | 3 | 18 | 45 | 33 |
| 2006 | 0 | 5 | 37 | 58 | 5 | 18 | 48 | 30 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 2 | 12 | 43 | 44 | 3 | 13 | 46 | 38 |
| 2007 | 3 | 18 | 48 | 31 | 3 | 16 | 46 | 36 |
| 2006 | 3 | 14 | 45 | 38 | 3 | 15 | 46 | 36 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 2 | 11 | 47 | 40 | 4 | 19 | 50 | 26 |
| 2007 | 2 | 15 | 49 | 34 | 3 | 21 | 49 | 26 |
| 2006 | 3 | 13 | 47 | 37 | 5 | 20 | 51 | 24 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 1 | 9 | 47 | 43 | 3 | 16 | 50 | 31 |
| 2007 | 2 | 11 | 50 | 38 | 2 | 18 | 50 | 30 |
| 2006 | 2 | 10 | 47 | 40 | 4 | 18 | 52 | 27 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 10 | 32 | 42 | 15 | 25 | 31 | 34 | 10 |
| 2007 | 10 | 36 | 43 | 11 | 23 | 36 | 32 | 10 |
| 2006 | 11 | 30 | 41 | 17 | 23 | 33 | 36 | 9 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 2 | 9 | 46 | 43 | 4 | 15 | 50 | 31 |
| 2007 | 2 | 14 | 50 | 34 | 3 | 17 | 49 | 31 |
| 2006 | 3 | 11 | 47 | 39 | 3 | 16 | 50 | 31 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 11 | 28 | 44 | 17 | 20 | 38 | 35 | 7 |
| 2007 | 10 | 35 | 39 | 17 | 17 | 42 | 34 | 7 |
| 2006 | 11 | 28 | 47 | 14 | 20 | 38 | 36 | 6 |


| GRADE 6 - ENGLISH LANGUAGE ARTS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI |  | A | P | NI | W |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 6 | 37 | 37 | 19 | 15 | 52 | 24 | 8 |
| 2007 | 4 | 35 | 42 | 20 | 9 | 58 | 25 | 7 |
| 2006 | 4 | 32 | 42 | 22 | 10 | 54 | 28 | 8 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 0 | 12 | 42 | 46 | 2 | 26 | 42 | 31 |
| 2007 | 0 | 9 | 44 | 46 | 1 | 26 | 45 | 28 |
| 2006 | 0 | 7 | 40 | 53 | 1 | 25 | 46 | 28 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 2 | 28 | 40 | 30 | 3 | 28 | 41 | 28 |
| 2007 | 1 | 23 | 43 | 34 | 1 | 26 | 44 | 29 |
| 2006 | 1 | 17 | 37 | 45 | 1 | 23 | 44 | 31 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 4 | 35 | 40 | 21 | 4 | 40 | 38 | 17 |
| 2007 | 3 | 32 | 45 | 20 | 2 | 40 | 42 | 16 |
| 2006 | 2 | 30 | 44 | 23 | 2 | 36 | 45 | 17 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 2 | 35 | 42 | 22 | 5 | 42 | 37 | 16 |
| 2007 | 2 | 28 | 48 | 22 | 3 | 40 | 43 | 15 |
| 2006 | 2 | 27 | 47 | 25 | 3 | 37 | 44 | 16 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 20 | 51 | 22 | 7 | 29 | 49 | 17 | 5 |
| 2007 | 12 | 51 | 27 | 10 | 17 | 55 | 22 | 6 |
| 2006 | 10 | 53 | 29 | 8 | 18 | 52 | 24 | 6 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 4 | 34 | 40 | 22 | 4 | 36 | 39 | 21 |
| 2007 | 2 | 33 | 43 | 22 | 2 | 36 | 42 | 20 |
| 2006 | 2 | 28 | 44 | 26 | 2 | 31 | 45 | 22 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 15 | 45 | 26 | 14 | 17 | 57 | 20 | 5 |
| 2007 | 11 | 51 | 29 | 8 | 11 | 64 | 21 | 4 |
| 2006 | 12 | 47 | 28 | 13 | 12 | 60 | 23 | 5 |



| GRADE 7 - ENGLISH LANGUAGE ARTS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI |  | A | P | NI | W |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 4 | 44 | 34 | 18 | 12 | 57 | 23 | 8 |
| 2007 | 3 | 46 | 33 | 18 | 9 | 60 | 23 | 8 |
| 2006 | 4 | 39 | 36 | 20 | 10 | 55 | 26 | 9 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 0 | 9 | 42 | 49 | 1 | 26 | 43 | 29 |
| 2007 | 0 | 10 | 39 | 51 | 1 | 27 | 43 | 30 |
| 2006 | - | 10 | 37 | 54 | 1 | 24 | 43 | 32 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 0 | 16 | 39 | 45 | 2 | 27 | 40 | 31 |
| 2007 | 0 | 26 | 34 | 40 | 1 | 28 | 39 | 32 |
| 2006 | 1 | 12 | 34 | 53 | 2 | 24 | 39 | 36 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 3 | 39 | 39 | 20 | 3 | 43 | 38 | 16 |
| 2007 | 2 | 41 | 37 | 20 | 2 | 44 | 37 | 16 |
| 2006 | 2 | 35 | 40 | 22 | 2 | 39 | 39 | 20 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 2 | 37 | 38 | 23 | 3 | 44 | 36 | 16 |
| 2007 | 1 | 40 | 38 | 21 | 2 | 46 | 36 | 16 |
| 2006 | 2 | 34 | 41 | 24 | 3 | 40 | 39 | 18 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 11 | 59 | 23 | 7 | 23 | 55 | 18 | 4 |
| 2007 | 7 | 62 | 23 | 9 | 17 | 58 | 19 | 6 |
| 2006 | 8 | 54 | 28 | 10 | 17 | 53 | 22 | 8 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 2 | 38 | 40 | 20 | 3 | 39 | 39 | 19 |
| 2007 | 1 | 40 | 38 | 21 | 2 | 40 | 37 | 21 |
| 2006 | 2 | 33 | 41 | 24 | 2 | 33 | 40 | 25 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 9 | 66 | 18 | 7 | 15 | 62 | 19 | 5 |
| 2007 | 7 | 65 | 18 | 11 | 11 | 65 | 19 | 5 |
| 2006 | 12 | 60 | 20 | 8 | 12 | 60 | 22 | 6 |



| GRADE 8 - ENGLISH LANGUAGE ARTS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI |  | A | P | NI | W |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 5 | 52 | 28 | 15 | 12 | 63 | 18 | 7 |
| 2007 | 4 | 51 | 30 | 14 | 12 | 63 | 18 | 6 |
| 2006 | 5 | 49 | 30 | 16 | 12 | 62 | 19 | 7 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 0 | 17 | 40 | 43 | 1 | 35 | 36 | 27 |
| 2007 | 0 | 18 | 39 | 43 | 1 | 35 | 39 | 25 |
| 2006 | 0 | 16 | 40 | 44 | 1 | 34 | 39 | 27 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 1 | 19 | 31 | 49 | 2 | 30 | 34 | 34 |
| 2007 | 0 | 18 | 39 | 43 | 2 | 28 | 42 | 29 |
| 2006 | 1 | 15 | 36 | 48 | 1 | 28 | 37 | 35 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 2 | 49 | 32 | 17 | 3 | 51 | 31 | 15 |
| 2007 | 2 | 48 | 33 | 16 | 3 | 51 | 32 | 13 |
| 2006 | 3 | 46 | 34 | 17 | 3 | 48 | 33 | 16 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 2 | 47 | 33 | 17 | 4 | 54 | 29 | 13 |
| 2007 | 2 | 46 | 36 | 17 | 4 | 52 | 32 | 13 |
| 2006 | 3 | 46 | 34 | 17 | 3 | 50 | 33 | 14 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 14 | 62 | 18 | 5 | 22 | 59 | 13 | 5 |
| 2007 | 10 | 64 | 20 | 6 | 19 | 58 | 17 | 5 |
| 2006 | 13 | 63 | 15 | 8 | 20 | 56 | 18 | 6 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 2 | 49 | 31 | 18 | 3 | 47 | 32 | 18 |
| 2007 | 2 | 46 | 33 | 19 | 3 | 45 | 35 | 17 |
| 2006 | 2 | 42 | 37 | 19 | 2 | 42 | 35 | 21 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 12 | 67 | 14 | 8 | 14 | 67 | 14 | 4 |
| 2007 | 10 | 70 | 16 | 5 | 15 | 68 | 14 | 4 |
| 2006 | 14 | 66 | 13 | 7 | 14 | 67 | 14 | 4 |



| GRADE 8 - SCIENCE AND TECHNOLOGY |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI | W | A | P | NI | W |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 0 | 10 | 38 | 52 | 3 | 36 | 39 | 22 |
| 2007 | 0 | 8 | 38 | 54 | 3 | 30 | 44 | 24 |
| 2006 | 0 | 8 | 34 | 58 | 4 | 28 | 43 | 25 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 0 | 1 | 15 | 84 | 0 | 10 | 37 | 53 |
| 2007 | 0 | 1 | 14 | 85 | 0 | 7 | 36 | 56 |
| 2006 | - | 1 | 12 | 87 | 0 | 7 | 33 | 59 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 0 | 3 | 18 | 79 | 0 | 7 | 27 | 66 |
| 2007 | 0 | 3 | 16 | 81 | 0 | 5 | 26 | 68 |
| 2006 | - | 1 | 13 | 86 | 0 | 4 | 26 | 70 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 0 | 6 | 35 | 59 | 0 | 14 | 41 | 45 |
| 2007 | 0 | 5 | 35 | 60 | 0 | 11 | 42 | 46 |
| 2006 | 0 | 5 | 32 | 63 | 0 | 9 | 40 | 50 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 0 | 5 | 34 | 62 | 0 | 11 | 40 | 48 |
| 2007 | 0 | 4 | 34 | 61 | 0 | 8 | 42 | 50 |
| 2006 | 0 | 4 | 30 | 66 | 0 | 8 | 37 | 55 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 1 | 27 | 48 | 24 | 5 | 44 | 34 | 18 |
| 2007 | 1 | 21 | 52 | 27 | 7 | 36 | 38 | 20 |
| 2006 | 1 | 18 | 52 | 28 | 8 | 31 | 39 | 23 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 0 | 5 | 34 | 61 | 0 | 11 | 37 | 52 |
| 2007 | 0 | 4 | 31 | 65 | 0 | 7 | 37 | 55 |
| 2006 | 0 | 4 | 28 | 68 | 0 | 7 | 35 | 57 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 0 | 24 | 50 | 26 | 3 | 44 | 40 | 13 |
| 2007 | 0 | 19 | 54 | 27 | 3 | 36 | 45 | 15 |
| 2006 | 0 | 23 | 49 | 28 | 5 | 34 | 45 | 17 |


| GRADE 10 - ENGLISH LANGUAGE ARTS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
|  | A | P | NI | F | A | P | NI | F |
| All Students |  |  |  |  |  |  |  |  |
| 2008 | 14 | 44 | 33 | 9 | 23 | 51 | 21 | 4 |
| 2007 | 11 | 39 | 37 | 13 | 22 | 49 | 24 | 6 |
| 2006 | 9 | 42 | 35 | 15 | 16 | 53 | 24 | 7 |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 1 | 18 | 48 | 33 | 3 | 32 | 46 | 20 |
| 2007 | 1 | 11 | 45 | 43 | 2 | 28 | 47 | 23 |
| 2006 | 0 | 10 | 44 | 46 | 1 | 28 | 46 | 25 |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 6 | 21 | 45 | 27 | 4 | 24 | 49 | 23 |
| 2007 | 2 | 21 | 39 | 39 | 2 | 20 | 47 | 31 |
| 2006 | 1 | 16 | 38 | 45 | 2 | 23 | 42 | 33 |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 10 | 44 | 37 | 10 | 8 | 45 | 37 | 9 |
| 2007 | 7 | 38 | 41 | 14 | 7 | 41 | 40 | 13 |
| 2006 | 6 | 39 | 39 | 16 | 5 | 41 | 40 | 15 |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 7 | 41 | 40 | 12 | 8 | 47 | 36 | 9 |
| 2007 | 5 | 35 | 44 | 15 | 6 | 40 | 41 | 12 |
| 2006 | 4 | 38 | 40 | 17 | 5 | 42 | 40 | 13 |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 30 | 50 | 18 | 3 | 33 | 44 | 19 | 4 |
| 2007 | 26 | 50 | 20 | 4 | 31 | 43 | 21 | 5 |
| 2006 | 25 | 51 | 21 | 3 | 24 | 49 | 21 | 6 |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 8 | 42 | 39 | 10 | 7 | 42 | 40 | 11 |
| 2007 | 5 | 38 | 41 | 16 | 6 | 37 | 41 | 16 |
| 2006 | 4 | 36 | 42 | 18 | 3 | 36 | 41 | 20 |
| White |  |  |  |  |  |  |  |  |
| 2008 | 29 | 50 | 15 | 5 | 27 | 53 | 17 | 3 |
| 2007 | 28 | 46 | 19 | 6 | 25 | 52 | 19 | 3 |
| 2006 | 23 | 53 | 16 | 7 | 18 | 57 | 20 | 4 |



GRADE 10 - SCIENCE AND TECHNOLOGY*
*High School Sciene and Technology/Engineering includes Biology,

| All Students | BPS <br> \% of Students at Each Perf Level |  |  |  | State <br> \% of Students at Each Perf Level |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | P | NI | F | A | P | NI | F |
|  |  |  |  |  |  |  |  |  |
| 2008 | 5 | 24 | 42 | 29 | 14 | 43 | 31 | 12 |
| 2007 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - |
| Stud. w/ Disab |  |  |  |  |  |  |  |  |
| 2008 | 0 | 5 | 28 | 67 | 2 | 19 | 43 | 37 |
| 2007 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - |
| LEP/FLEP |  |  |  |  |  |  |  |  |
| 2008 | 3 | 15 | 30 | 52 | 3 | 17 | 36 | 44 |
| 2007 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - |
| Low-Income |  |  |  |  |  |  |  |  |
| 2008 | 3 | 20 | 46 | 31 | 3 | 28 | 44 | 26 |
| 2007 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - |
| AA/Black |  |  |  |  |  |  |  |  |
| 2008 | 1 | 16 | 47 | 36 | 3 | 25 | 45 | 27 |
| 2007 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - |
| Asian |  |  |  |  |  |  |  |  |
| 2008 | 19 | 47 | 29 | 6 | 29 | 39 | 24 | 8 |
| 2007 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - |
| Hispanic/Latino |  |  |  |  |  |  |  |  |
| 2008 | 1 | 16 | 47 | 36 | 2 | 22 | 43 | 32 |
| 2007 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - |
| White |  |  |  |  |  |  |  |  |
| 2008 | 11 | 44 | 31 | 14 | 16 | 49 | 28 | 7 |
| 2007 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - |

## Appendix: MCAS Background

The Massachusetts Comprehensive Assessment System (MCAS) was developed as part of the Massachusetts Educational Reform Act of 1993. It was designed to measure how well students, schools and districts are performing on the state's learning standards that are contained in the Massachusetts Curriculum Frameworks. Because Boston's own Citywide Learning Standards are correlated with the state's Curriculum Frameworks, the MCAS helps educators, parents, students and the wider community know how well BPS students are doing with respect to Boston's own standards. The MCAS was first administered in May 1998 in grades 4, 8, and 10. The March/April/May 2008 testing is the eleventh annual administration of the MCAS tests. Tests were administered in ELA and Math in grades 3-8 and 10 and Science and Technology in grades 5, 8, 9 and 10. The Science and Technology/Engineering test includes Biology, Chemistry, Introductory Physics, and Technology/Engineering that became operational in 2007. In addition, a pilot test in History and Social Science/U.S. History was administered in grades 5, 7, 10 and 11.

As a part of the state's graduation requirements, students in the Classes of 2003-2009 must achieve at least the Needs Improvement performance in English Language Arts (ELA) and Mathematics in order to graduate. For the Class of 2010 (sophomores during school year 2007-2008) and subsequent classes, students are required to meet or exceed the minimum Proficient score on both the ELA and Mathematics MCAS grade 10 tests. Students who scored at the Needs Improvement performance level will have to fulfill the requirements of an Educational Proficiency Plan (EPP). Additionally, students in the Class of 2010 and beyond have to meet or exceed the minimum Needs Improvement score in a high school Science Technology/Engineering test in Biology, Chemistry, Introductory Physics, or Technology/Engineering.

No Child Left Behind (NCLB) requirements mandate that all students attain Proficient and Advanced by 2014.
The MCAS was intended by its framers to measure the performance of students, schools and districts with respect to statewide standards, and thus to be used for accountability purposes. As such, the MCAS is a criterion-referenced standardized test in which students' performance is compared to standards, not a norm-referenced test in which students are compared to other students’ performance. The MCAS was also intended to improve classroom instruction both by giving detailed feedback about student performance and by providing models of effective assessment methods. In the spring of 2008, all students in grades 3-10 statewide, in all publicly funded schools, including BPS Pilot Schools and statewide charter schools were required to take the MCAS.

## What Are The MCAS Tests Like?

Content areas covered include English/Language Arts, Mathematics, Science \& Technology/Engineering and History and Social Science. Testing occurs from grade 3 through 10, although not all content areas are covered at each grade.

## MCAS Grade Levels and Content Areas Tests in 2008 - Summary Data Reported

| Grade | English Language Arts | Mathematics | Science and Technologyl <br> Engineering |
| :---: | :---: | :---: | :---: |
| 3 | X | X |  |
| 4 | X | X |  |
| 5 | X | X | X |
| 6 | X | X |  |
| 7 | X | X | X |
| 8 | X | X | X |
| 9 | X | X | X |
| 10 |  |  |  |

The test is designed to be untimed, with the expected testing times for each test ranging from two to seven hours.

There is a mixture of question formats. Multiple choice and open response items (one to two paragraphs, a graph or a chart, as appropriate) are found on all tests. Short answer items appeared on the Mathematics test only. Finally, the English/Language Arts test included writing prompts in grades 4, 7 and 10.

The tests are designed to be rigorous. They are also intended to be cumulative of the learning standards up to the grade of testing. For example, the grade 4 tests might well contain items related to third grade learning standards from the Curriculum Frameworks.

Eighty percent of the items on each test for each grade are "common items" seen by all students in a given test. These and only these are the basis of all official summary scores. These questions will be released by the state each year after testing is complete. For the spring 2008 testing they are already on the Internet at the Massachusetts Department of Elementary and Secondary Education (MA DESE) website, including a version in Spanish (grade 10 Mathematics only).

The other $20 \%$ of the items are "matrix sampled". These items are used to equate MCAS test s from year to year and to field test new items for future tests. These items also are used along with the common items at the school and district levels to provide subject area subscores.

## How Is Student Performance On The MCAS Scored And Reported?

## Scoring

Multiple choice items are all scored 0 or 1 and are scanned and scored electronically.

All others items are read and scored by trained staff, many of whom are teachers. Short-answer items on the Mathematics test are scored 0 or 1 . Open-response items are scored on a 0 to 4 scale, except in grade 3 Mathematics which is scored on a 0 to 2 scale, which are scores according to rubrics developed by the Assessment Development Committees and a selection of "benchmark" responses (samples of student work representing each of the score points for each question). Compositions on the English/Language Arts test are rated on a scale of 0 to 20.

## Reporting

Summary scores are reported as Performance Levels, defined with respect to the State's Curriculum Frameworks. These are defined as follows:

Advanced (Grades 4-8, 10): Students at this level demonstrate a comprehensive and in-depth understanding of rigorous subject matter and provide sophisticated solutions to complex problems.

Above Proficient (Grade 3): Students at this level demonstrate mastery of challenging subject matter and construct solutions to challenging problems.

Proficient: Students at this level demonstrate a solid understanding of challenging subject matter and solve a wide variety of problems.

Needs Improvement: Students at this level demonstrate a partial understanding of subject matter and solve some simple problems.

Warning/Failing: Students at this level demonstrate a minimal understanding of subject matter and do not solve even simple problems. The term Failing is used for grade 10 only.

Students' standings on these Performance Levels are the major scores reported and compared across schools and districts. Scores are reported for each test separately; there is no overall score.

Test performance is also reported as scaled scores ranging from 200 to 280, except grade 3 where raw scores representting the total number of points a student earned are reported. The scaled scores provide information concerning students' relative standing within a Performance Level. The scaled score range corresponding to each performance level is as follows: Advanced - 260 to 280, Proficient - 240 to 258, Needs Improvement - 220 to 238, and Warning/Failing 200 to 218 .

## Testing Population

In keeping with state and federal regulations, virtually all students statewide are tested.

## Students with Disabilities

Students with Disabilities were defined as those who either had an Individualized Education Plan (IEP) or received instructional accommodations provided under Section 504 of the Rehabilitation Act of 1973.

Students with Disabilities were expected to take the test in accordance with the Massachusetts Education Reform Act and a 1997 amendment to the federal Individuals with Disabilities Education Act (IDEA). Testing accommodations were permitted if specified in the student's Individualized Education Plan (IEP). The state's detailed list of approved accommodations included modifications to the timing and scheduling of the test, the setting of the test, how the items were presented to the student, and how the student provided the answers. The actual test content could not be modified. Students with significant cognitive disabilities who are unable to take the standard MCAS tests even with modifications are required to take the MCAS Alternate Assessment (MCAS-Alt).

## Limited English Proficient Students

According to MA DESE definitions, a Limited English Proficient (LEP) student is "a student whose first language is a language other than English who is unable to perform ordinary classroom work in English." LEP students must participate in all MCAS tests administered at the grade in which he or she is enrolled that school year. In English Language Arts LEP students in their first year of enrollment in U.S. schools may be exempted according to Federal guidelines issued in February 2004. School principals may exercise discretion to excuse a LEP student from the ELA and History and Social Science/U.S. History tests in grades 3-11 under the following circumstances: the student first enrolled in school in the U.S. after the previous March 1 (prior to 2007, it was October 1); and the student's command of English is so limited that he or she could not engage meaningfully in the MCAS process. The first year LEP students, however, are required by the NCLB Law to participate in Mathematics and Science and Technology/Engineering tests scheduled for their grade.

For MCAS reporting purposes, the results of first-year LEP students in 2008 who took the English Language Arts tests was not factored into school or district performance results, nor the results of these students' Mathematics and Science ant Technology/Engineer tests, in accordance with NCLB allowances.

A Spanish version of the grade 10 Mathematics test was developed for Spanish-speaking LEP students. Grade 10 Span-ish-speaking LEP students who could read and write at grade 10 level or above in Spanish took the available Spanishlanguage Mathematics.


[^0]:    * An Educational Proficiency Plan (EPP) must be developed for a student who scores between 220 and 238 on the grade 10 ELA and/or Mathematics tests.
    Each EPP must include, at a minimum:
    - a review of the student's strengths and weaknesses, based on MCAS and other assessment results, coursework, grades, and teacher input,
    - the courses the student will be required to take and successfully complete in grades 11 and 12 , and
    - a description of the assessments the school will administer on a regular basis to determine if the student is moving toward proficiency. For 2008-2009, the assessment options include locally developed end-of-course assessments; grade 10 MCAS test forms designed for the EPP; College Board's Accuplacer; and the Algebra II end-of-course test.

