

Somerville Public Schools: Additional 2015 MCAS Data Highlights

District-Wide:

- 6-percentage point increase in students scoring *Proficient/Advanced* in grade 6 ELA, from 2014-2015 (56% P/A to 62% P/A).
- In grade 5 Math, reduced the percentage of students in *Warning* by half since 2011 (from 33% to 16%). Increased percentage scoring *Proficient/Advanced* by 10 percentage points, from 51% P/A in 2014 to 61% P/A in 2015.

Dr. Albert F. Argenziano School @ Lincoln Park

- 29-percentage point increase in students scoring *Proficient/Advanced* in grade 4 ELA from 2014-2015 (29% P/A to 58% P/A), surpassing the state average of 54% P/A.
- 40-percentage point increase in students scoring *Proficient/Advanced* in grade 6 Math from 2014-2015 (33% P/A to 73% P/A), surpassing the state average of 62% for grade 6.
- Overall CPI is the highest it has been since 2011 in all subjects (Math: 72.6; ELA: 79; Science: 74.5).

Arthur D. Healey School

- 39-percentage point increase in students scoring *Proficient/Advanced* in grade 3 Math from 2014-2015 (29% P/A to 68% P/A); Smallest percentage of students scoring *Warning* in grade 3 Math in over 5 years (7% *Warning* in 2015).
- 32-percentage point increase in students scoring *Proficient/Advanced* in grade 5 Math from 2014-2015 (38% P/A to 70% P/A), surpassing the state average of 67% for grade 5.
- 75% fewer students scored *Warning* in grade 5 Math as compared with 2014 (8% *Warning* in 2015).
- Overall CPI is the highest it has been in over 5 years in Math and Science (Math: 68.7; Science: 71). ELA CPI remains stable at 74.8.

Benjamin G. Brown School

- The percent of students scoring *Proficient* or *Advanced* in ELA in 2015 is the highest it has been in over 5 years for all grades (grade 3: 95% P/A; grade 4: 85% P/A; grade 5: 91% P/A; grade 6: 95% P/A).
- The percent of students scoring *Proficient* or *Advanced* in Math in 2015 is the highest it has been in over 5 years for grades 3-5 (grade 3: 94% P/A; grade 4: 72% P/A; grade 5: 82% P/A).
- Grade 3 CPI of 98.8 and 98.7 in Math and ELA respectively, out of 100 CPI points.
- 85.5 median SGP in grade 6 Math.

East Somerville Community School

- The percentage of students scoring *Warning* in grade 5 Math has nearly halved since 2014, from 31% *Warning* in 2014 to 16% *Warning* in 2015.
- 14-percentage point increase in students scoring *Proficient/Advanced* in grade 6 ELA from 2014-2015 (48% P/A to 62% P/A).
- Grade 5 CPI is the highest it has been since 2011 in all subjects (Math: 73.7, ELA: 75.9, Science: 71.5).

John F. Kennedy School

- Grade 4 Math CPI of 89.3, higher than state average of 77.2; 51% of grade 4 students scored Advanced in Math.

- 13-percentage point increase in students scoring *Proficient/Advanced* in grade 8 ELA from 2014-2015 (70% P/A to 83% P/A).
- Overall CPI is the highest it has been since 2011 in all subjects (Math: 82.5; ELA: 89.2; Science: 80.6).

West Somerville Neighborhood School

- Grade 5 Math CPI of 96.1 (out of 100 possible CPI points).
- 18-percentage point increase in students scoring *Proficient/Advanced* in grade 3 Math from 2014-2015 (46% P/A to 64% P/A).
- 15-percentage point increase in students scoring *Proficient/Advanced* in grade 5 Math from 2014-2015 (79% P/A to 94% P/A).
- 70% of students scoring *Proficient/Advanced* in grade 8 Math with a median SGP of 78.
- 93% of students scoring *Proficient/Advanced* in grade 8 ELA; 32% of students scoring *Advanced*.
- Grade 8 Science CPI of 83.8 exceeds state average by 11 CPI points.
- Overall CPI is the highest it has been since prior to 2011 in all subjects (Math: 82.4; ELA: 85.3; Science: 83.4).

Winter Hill Community Innovation School

- 9-percentage point increase in students scoring *Proficient/Advanced* in grade 5 Math from 2014-2015 (41% P/A to 50% P/A).
- 25-percentage point increase in students scoring *Proficient/Advanced* in grade 6 Math from 2014-2015 (26% P/A to 51% P/A).

Somerville High School

- 7-percentage point increase in students scoring *Proficient/Advanced* in grade 10 Math from 2014-2015 (71% P/A to 78% P/A)
- 73% *Proficient/Advanced* in grade 10 science, as compared with state average of 71% P/A.
- Overall CPI is the highest it has been since 2011 in Math and Science (Math: 88.8; Science: 88.6; ELA: 94.9).

Definitions:

- **¹SGP: Student Growth Percentile** is “a measure of student progress that compares changes in a student’s MCAS scores to changes in MCAS scores of other students with similar scores in prior years.” (from the Massachusetts Department of Elementary and Secondary Education’s MCAS Student Growth Percentiles: Interpretive Guide, March 2011)
- **²CPI: Composite Performance Index** is a “100-point index that assigns 100, 75, 50, 25, or 0 points to each student participating in MCAS and MCAS-Alt tests based on their performance. The total points assigned to each student are added together and the sum is divided by the total number of students assessed. The result is a number between 0 and 100, which constitutes a district, school or group’s CPI for that subject and student group. The CPI is a measure of the extent to which students are progressing toward proficiency (a CPI of 100) in ELA and mathematics. CPIs are generated separately for ELA and mathematics, and at all levels - state, district, school, and student group.” (from the Massachusetts Department of Elementary and Secondary Education’s 2010 Glossary of Accountability Reporting Terms)