Milton High School

MPS School Committee School Level Data Presentation

- *Data Highlights by Subject Area*

- *Data Driven Areas for Improvement*

- *What Worked?*

- *Next Steps*

Milton High School
Science Data Highlights

- The high school has maintained a very high level of performance, achieving a Composite Performance Index (CPI) of close to or above 95 for all its tested subjects (G10 STE, G10 ELA, and G10 Math) for the past five years.

- The number of students scoring Advanced or Proficient in Science/Biology rose from 89% in 2015 to 94% in 2016.

- The number of students in Needs Improved decreased from 8% in 2015 to 4% in 2016, indicating more students moved into Advanced and Proficient categories.

- The CPI for Science in 2016 was 96.1.

Milton High School
Math Data Highlights

- Highlights (MCAS Only):

- 90% of students scored Advanced or Proficient on the MCAS Grade 10 Mathematic s exam, with 73% scoring Advanced
- CPI score of 96.4 (highest is 100)
- Median growth for all students is still over 50 even with our high achievement

Milton High School
ELA Data Highlights

- Highlights (MCAS Only):

- CPI score of 99.1 (highest is 100)
- 96% of MHS students are Proficient/Advanced
- Median Growth Percentile is 46 (Average Range is 40-60)

Milton High School
Data Areas for Improvement

- Areas of Improvement (MCAS Only):

- The closing of achievement gaps for students identified as High Needs, Economically Disadvantage and African American/Black in ELA, Math and Science.

- Continue to move students from Needs Improvement to Proficient and from Proficient to Advanced

What Worked? *Targeted Interventions*

- Academic Merit - Used common assessment to improve student writing in both English and History, with a focus on non-fiction and informational text.

- ELA Foundations – Reading Specialist

- Calculus project - over 60 students participated in TCP this summer (we started our 3rd cohort of students – currently in grades 8, 9, and 10)

- Math Support - to support the student's current math class (generally for courses 1-3)

- Targeted performance-based review in ELA, Math and Science

- Early Administration of the Biology Exam

What Worked? *Additional Initiatives*

- Advancement Budget – MHS Science Curriculum Materials and Professional Development
- Bridge Program - for the transition from Middle to High School; English, Science and math work is done over the summer in preparation for high school
- Co-Taught – College Prep Course (English, Math and Science)
- MCAS Support
- Math/English Support

Next Steps

- Milton High School's Administrative and Guidance Staff will continue to monitor the student enrollment throughout the year and identify concerns about student participation and seek medical documentation for any student that is unable to take an MCAS test

- Provide Social/Emotional support for students (Transitions Program/SEL)

- Enhance Professional Development for our Co-Taught Teachers

- Seek alternatives for running full review schedules for MCAS supports as funding has been cut by the state through the MCAS Grant ($3,000 - $4,000)

Next Steps Continued

- Use common planning time to assess common assessments and lab investigations

- Continue to administer the Biology Final Exam for all Biology students prior to the Biology MCAS Exam

- Implement new technology and updated curriculum across all science classrooms purchased through the Science and STEM Advancement Budget last year

- Continue vertical alignment work with elementary and middle schools

Next Steps Continued

- Implementation of the new math curriculum at MHS for Courses 1-3 (current); new common unit assessments and curriculum maps are being written for each course

- Increase the use of the online assessment component of the new math curriculum (for remediation or intervention)

- Record and analyze common unit assessment data (on the data dashboard) for Courses 1-3; use the data to plan systematic interventions

- Continue to work with department on using inclusive teaching practices and making mathematics accessible to all students