



**Milton High School  
Site Council Presentation  
Wednesday, January 7, 2015**

# Milton High School Site Council

- Mr. James Jette, Principal
- Ms. Michelle Kreuzer, Assistant Principal
- Ms. Tracy Grandeau, Special Education Chairperson
- Mr. Greg Pullia, Math Teacher
- Mr. Ben Kelly, Math Teacher
- Mrs. Mary Scott, Parent
- Mrs. Veronica Guerrero-Macia, Parent
- Mrs. Kathy Huntington, Community Member
- Mrs. Vicky McCarthy, Community Member
- Ms. Eva Chow , Student
- Ms. Joanna Needham, Student
- Ms. Tyler Volpe-Knock , Student
- Mr. Morgan Connolly, Student

# Agenda

- The Milton High School Mission Statement
- MHS School Successes
- Goal Setting – What worked
- Goal Setting – Areas of Focus
- Proposed School Improvement Plan (SIP 1, 2 and 3)
- Beyond the Data – Highlights at MHS

# Milton High School Mission Statement

The mission of Milton High School is to graduate students who are equipped to reach their potential and contribute to the global community by engaging them in a rigorous, enriching educational program that emphasizes respect, achievement, and citizenship.



Respect

Achievement

Citizenship

# Data Driven Goal Setting: Celebrating Success

- 96% of ALL students were Proficient or Advanced in *English Language Arts (ELA)*.
- 93% of ALL students were Proficient or Advanced in *Mathematics*.
- 94% of ALL students were Proficient or Advanced in *Science, Technology and Engineering*.
- The African American/Black subgroup earned extra credit points for reducing the number of students in Warning/Failing by at least 10% in ELA, Math, and Science.
- The low income subgroup scored 100 PPI points (Progress Performance Index) for narrowing proficiency gaps in ELA and Math (data unavailable for Science).
- The cumulative PPI value for the High Needs subgroup rose from 80 in 2013 to 84 in 2014.
- The high needs and African American/Black subgroups all earned 100 PPI points for narrowing proficiency gaps in ELA, Math, and Science.
- There were no failures on the Grade 10 Math MCAS exam.

# Celebrating Success - continued

- 40 of the 69 (58%) Science AP tests taken in May 2014 earned a qualifying score.
- 101 of the 130 (78%) Mathematics, Business, and Technology AP tests taken in May 2014 earned a qualifying score.
- 95 of the 125 (76%) English AP tests taken in May 2014 earned a qualifying score.
- 40 of the 40 (100 %) Foreign Languages AP tests taken in May 2014 earned a qualifying score.
- 70 of the 103 (68%) History AP tests taken in May 2014 earned a qualifying score.
- 17 of the 20 (85%) Fine and Performing Arts AP tests taken in May 2014 earned a qualifying score.
- Overall, 83% of students who took at least one AP exam earned a qualifying score.
- Competitive SAT I scores have been maintained by our overall student population, while subgroups, including Black/African American, have shown improvement across all three sections of the exam.

# Data Driven Goal Setting: What Works?

- **Identifying at-risk students and providing support programs for those in need**

**Freshman Seminar:** Freshman Seminar helps students transition to Milton High School. When compared to cohorts prior to offering Seminar, data shows increased 9<sup>th</sup> grade GPA for students enrolled in course. Note that in 2013-2014 the GPA was lower, due to targeting the most at-risk students, and the enrolled students for the 2014-2015 year is 45 students.

	Year	GPA	Enrolled	% in subgroup with GPA < 2.0
	09-10	1.91	0	51%
	10-11	1.78	0	51%
Year 1	11-12	2.20	63	38%
Year 2	12-13	2.28	47	30%
Year 3	13-14	1.80	21	62%

# Data Driven Goal Setting: What Works?

- **Identifying at-risk students - continued**
- **Bridge Program**
- **MCAS Scores:** Grade 11 students are first cohort of students we have targeted who have MCAS results

	<b>Grade 8</b>	<b>Grade 10</b>
ELA	241	248
Math	228	245
Science	224	244



# Data Driven Goal Setting: What Works?

- Early administration of the Biology final exam
  - Beginning in Spring 2013, the Biology final exam has been administered prior to the Biology MCAS exam.
  - This exam administration has allowed teachers to assess all students by identifying their content area needs to help increase their success on the Biology MCAS exam.
  - The percentage of students who failed the Biology MCAS exam has dropped since 2011.

Year	2011	2012	2013	2014
Percent Proficient/ Advanced Bio MCAS	78%	82%	94%	89%

# Data Driven Goal Setting: What Works?

- Early administration of the Biology final exam
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  - The percentage of students who failed the Biology MCAS exam has dropped since 2011.

Year	2011	2012	2013	2014
% failed Bio MCAS	4%	4%	1%	2%

# Data Driven Goal Setting: Focus Areas

- Provide necessary supports and improved curriculum to increase student achievement. (**Advancement Initiative- Closing the Proficiency Gaps**)
- Increase proficiency in science for all students. (**Advancement Initiative- Advancing Science and STEM**)
- Use common on-line assessment tools to analyze student growth, and use data to provide appropriate support for all students. (**Advancement Initiative- Closing the Proficiency Gaps**)

# Milton High School

## SIP Goal #1: Work to Close the Achievement Gap

*Goal:* Provide necessary supports and improve curriculum to increase student achievement.

**Strategy 1.1-** Continually update at-risk database to assure that administration, guidance, faculty and coaches are providing the most effective supports and intervention.

**Strategy 1.2-** Hire reading specialist who can work with students identified as reading below grade level.

**Strategy 1.3-** Use data analysis of support programs to assure that we are offering the most effective support programs for all students (i.e. Bridge Program, Freshman Seminar, English, Math and Science support classes, etc.)

**Strategy 1.4** – Work with students in earlier grades to enrich mathematical concepts through the Calculus Project.

**Strategy 1.5-** Increase the technology integration at Milton High to support the range of learners in the classroom.

## **Milton High School SIP Goal #2: Increase Proficiency in Science**

*Goal:* Increase proficiency in science for all students by revising and implementing curriculum units addressing the new Science, Technology and Engineering Frameworks, which align to the Next Generation Science Standards.

**Strategy 2.1-** Update all course curriculums to reflect the new Science, Technology and Engineering Frameworks.

**Strategy 2.2-** Provide professional development for curriculum revision and effective teaching strategies to address the new frameworks.

**Strategy 2.3-** Increase the use of problem solving, analytic thinking, and inquiry tasks into science courses.

**Strategy 2.4 –** Increase the use of technology in science.

**Strategy 2.5-** Develop STEM course offerings to further engage students in science practices.

# Milton High School

## SIP Goal #3 Common Assessment Tools in Humanities, Math and Science

Goal: Use common on-line assessment tools to analyze student growth, and use data to provide appropriate support for all students.

**Strategy 3.1-** Research, pilot and choose on-line assessment tools (the three leading tools are Edwin Teaching and Learning, Academic Merit and Galileo Assessment Technologies).

**Strategy 3.2-** Train teachers to effectively use the on-line sites.

**Strategy 3.3-** Implement additional benchmark common assessment assignments in History, English, Math and Science within the school year.

**Strategy 3.4** – Use common assessment as ongoing measure of how well students are mastering the curriculum.

**Strategy 3.5-** Use that data to both differentiate instruction and to adjust, improve, and alter curriculum when necessary.

# **Milton High School: Beyond the Data - Highlights**

- 18 Advanced Placement course offerings
- 91% of Milton High Students took the SAT in 2013-14
- 96% of students admitted to 4-year & 2-year universities/colleges
- The PSAT is administered to all sophomores & juniors in school before graduating
- Increased co-taught classes in Math, Science and English
- New AP curriculum for Physics that offers students a two-year AP Physics program and a full-year Biotechnology offering for students
- Teachers across multiple disciplines attended Professional Development over the summer of 2014, including AP training and Christa McAuliffe Center certification program
- AP Potential Training - Strategies for Identifying Promising Students & Expanding Access to AP

# **Milton High School: Beyond the Data – Highlights cont.**

- Outstanding musical production of Legally Blonde
- Successful tournament-bound seasons for golf (including a state finals qualifier), women's soccer, volleyball, cross-country, crew. MHS Cheerleading also participated in the Bay State Cheer Championships
- Grade 8 Step up Day – 11/19/14
- Homecoming Dance – 11/21/14
- Chemical Health Awareness Night – 11/24/14
- Chris Herren Presentation – 1/15/15
- Student access to Music Lab, Language Lab, Biotech Lab, Computer Labs