

Billerica Memorial High School

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Billerica, MA 01826
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CEEB 220155
Enrollment: 1,202



<https://sites.google.com/a/billericak12.com/bps/schools/bmhs>

Administration and Counseling Staff

Mr. Timothy Piwowar, Superintendent of Schools
Dr. Jill Geiser, Assistant Superintendent
Mr. Thomas Murphy, Principal
Mrs. Melinda Cripps, Director of Guidance
Mrs. Julie O'Mahony, School Counselor
Ms. Tricia Coia, School Counselor
Mr. Cullen Hagan, School Counselor
Mrs. Pam Nestor, School Counselor
Mrs. Julie Desmond, School Counselor

Community & School

The town of Billerica is located 20 miles northwest of Boston. Incorporated in 1655, the town remained predominantly agricultural until the mid-nineteenth century when a major mill complex was built on the Concord River in North Billerica. Although a number of small industries grew over the next 100 years, it was not until the 1950's that the present day industrial base was established. Today, Billerica is a major regional employer and home to several technology firms. It has grown rapidly from 10,000 residents in 1950 to 40,000 residents today.

Billerica Memorial High School is a comprehensive high school for grades 9-12, with a current enrollment of 1,153 students. The school operates on a modified block schedule with primary courses and electives meeting 3 out of 5 days per week. The Program of Studies features a broad range of courses essential for the lifelong learning needs of all students. The high school currently offers 19 Advanced Placement courses, a perennial national award winning DECA Team, and several Project Lead The Way courses. Billerica Memorial High School offers 27 sports, 61 teams, and an extensive variety of fine arts programs in the areas of vocal, instrumental drama, and visual arts. The full program of studies can be viewed on the high school website.

Mission Statement

Billerica Memorial High School is a community dedicated to preparing students for life in the 21st Century. We believe in the shared responsibility of students, parents, staff, and the Billerica community in developing lifelong learners. As such, we value individuality and recognize strength in unity to ensure an environment of respect and acceptance. Ultimately, we define success as maximizing the intellectual, emotional, physical, social, and civic development of each member of our school.

Challenging Academic Opportunities

Project Lead The Way

Project Lead The Way courses provide a comprehensive approach to STEM education. Through activities, projects, and problem-based curriculum, PLTW gives students the opportunity to apply their skills, identify problems, find unique and creative solutions, and self-initiate their own learning. BMHS offers five PLTW courses: Intro to Engineering Design, Principles of Engineering, Principles of Biomedical Science, Computer Science Principles, and Human Body Systems.

American Experience

American Experience courses are open to students in grades 10 and 11, and are interdisciplinary courses that combine both English Literature and History. This co-taught program requires students to have a high level of motivation, interest, and curiosity, and involves extensive reading, writing, and critical thinking. These courses are designed to be a part of a two-year cohort, with students taking both American Experience I and American Experience II. The courses satisfy both the English and the US History requirement for graduation.

Advanced Placement Courses

In 2018, students engaged in 19 different types of Advanced Placement tests. Billerica Memorial High School's Advanced Placement passing rate (3 or better) is 60.4%. Advanced Placement classes held at BMHS include: Calculus (AB/BC in 2018, AB only in 2019), Biology, Chemistry, Computer Science, Microeconomics, Macroeconomics, English Language and Composition, English Literature and Composition, Environmental Science, European History (2018), Physics (1/2/C), Psychology, Spanish, French and Italian Language, Statistics, and United States History. In 2018, 222 students took 446 exams.

Grading & Performance

Competencies

All graduates have passed the Massachusetts Comprehensive Assessment System (MCAS) in the areas of English Language Arts, Mathematics, and Science. Graduation requirements are aligned with MASSCORE requirements, which includes a minimum of four years of English, four years of Math, three years of a lab-based Science, three years of history, two years of the same foreign language, one year of an arts program and five additional "core" courses such as business education, health, and/or technology.

Grade Point Average & Rank

Grade Point Average (GPA) is calculated by converting numerical grades to points based on the table below. These points are added and then divided by the total number of credits attempted during a marking period. Billerica Memorial High School calculates on a 4.0 weighted scale. Students are ranked using their weighted GPA.

Grade Point Average (GPA)

Letter Grade	Range	Level 2	Level 1	Honors	AP
A+	97-100	4.00	4.33	4.67	5.00
A	94-96	3.67	4.00	4.33	4.67
A-	90-93	3.33	3.67	4.00	4.33
B+	87-89	3.00	3.33	3.67	4.00
B	84-86	2.67	3.00	3.33	3.67
B-	80-83	2.33	2.67	3.00	3.33
C+	77-79	2.00	2.33	2.67	3.00
C	74-76	1.67	2.00	2.33	2.67
C-	70-73	1.33	1.67	2.00	2.33
D+	68-69	1.00	1.33	1.67	2.00
D	65-67	0.67	1.00	1.33	1.67
F	0-64	0.00	0.00	0.00	0.00

Highlights of Our School

*Science is focused on hi-tech, project-based inquiry anchored in our state-of-the-art biotechnology and robotics labs

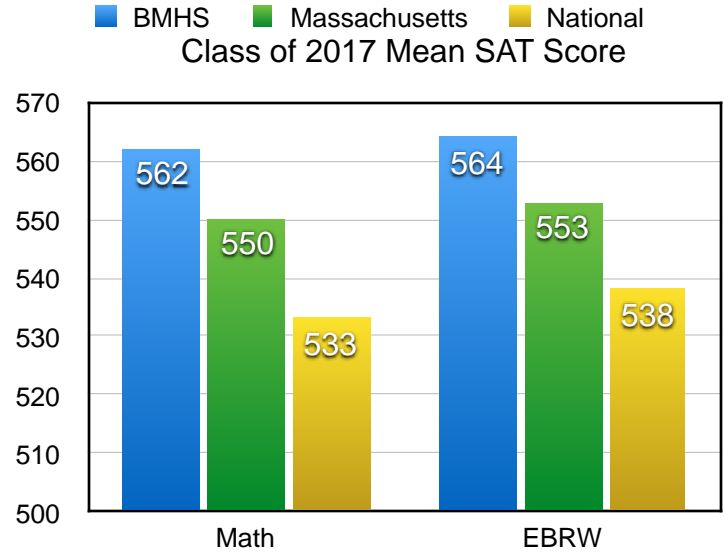
*Vibrant exchange programs: Italy, Spain, and France

*NAMM "Best Community for Music Education" two consecutive years (2017 & 2016)

*Robotics Club: 1 of only 15 teams to qualify for the New England championship for 4 consecutive years

*60% of students participate in athletics. Unified Basketball was also added in the fall of 2017

*Rigorous Mathematics curriculum that may take students beyond calculus to courses in number theory and discrete mathematics



Notable Student Awards In 2018

*21 students earned AP Scholar recognition

*4 students earned AP Scholar with Honors

*17 students earned AP Scholar with Distinction

*3 student was recognized as a National AP Scholar

*79 students were recipients of the John and Abigail Adams Scholarship (2017)

*5 National Merit Scholarship Program Commended Students

Post-Secondary Choices: Class of 2018

Outcome	% of Total
4-Year College/University	68.4%
2-Year College/University	18.4%
Employment	4.8%
Career/Technical Education	3.3%
Armed Services	3.7%
Post-Grad/Gap Year/Other	1.5%

Class of 2018 Notable College Acceptances

Boston College, Boston University, College of the Holy Cross, Emerson College, Emmanuel College, George Mason University, Gettysburg College, MCPHS, Stetson University, Tufts University, University of Kentucky, University of Massachusetts Amherst, University of North Carolina at Chapel Hill, Vanderbilt University, Wheaton College, Worcester Polytechnic Institute