

# MEDFIELD HIGH SCHOOL

88R South Street, Medfield, MA 02052

[www.medfield.net](http://www.medfield.net)

Main Office: 508.359.4367

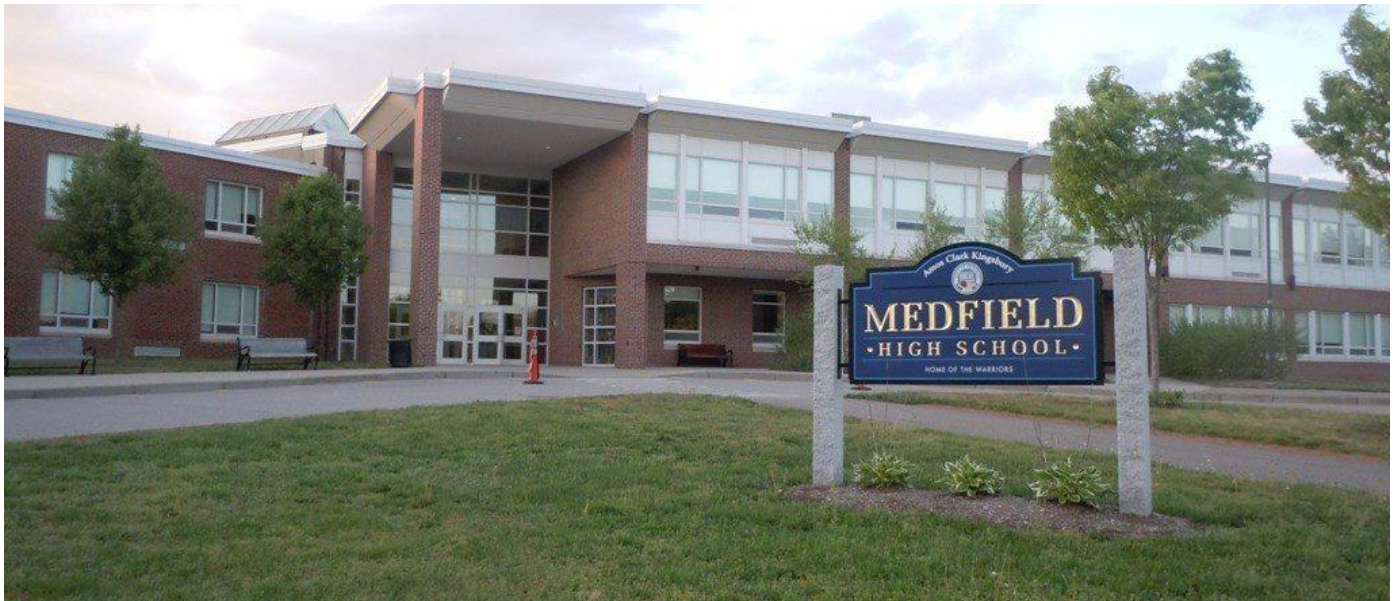
Guidance Office: 508.359.2482

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School Profile 2016-2017

CEEB Code

221-360



## ADMINISTRATION

Jeffrey Marsden, Ed.D.	Superintendent
Kim Cave	Director of Curriculum
Kathy Gaudreau	Director of Student Services
Michael LaFrancesca	Director of Finance
Robert Parga	Principal
Heather Mandosa	Assistant Principal
Jeffrey Sperling	Assistant Principal

## GUIDANCE DEPARTMENT

Stephanie Worthley	Content Specialist
Anne Lodge	Guidance Counselor
Kathy Mahoney	Guidance Counselor
Erik Ormberg	Guidance Counselor
Amanda Padden	Guidance Counselor
Russell Becker	Adjustment Counselor
Trinka Snyder	School Psychologist

## TOWN OF MEDFIELD

Population 12,660  
Suburban community  
Middle to high income  
Primarily residential  
Located 20 miles southwest of Boston

## MEDFIELD HIGH SCHOOL

Academic grades: 9-12  
Enrollment: 847 Students  
Class of 2017 Enrollment: 218 students  
District Enrollment: 2,637 students

## NATIONAL / STATE RECOGNITIONS

US News & World Report - #1 Traditional Public High School  
2014 MCAS Science Scores - #1 in Massachusetts  
2 Semifinalists - National Merit Scholarship Program

## MISSION STATEMENT

Medfield High School, in partnership with family and community, promotes both integrity and excellence in scholarship and citizenship for all learners.

Medfield High School is a comprehensive and rigorous high school, serving close to 900 students, grades 9-12. The student population is served by 85 faculty members. Students take 7 classes, which generally meet 4 times a week. Students are fully scheduled each day and do not have study halls. Our program of studies can be found on our website. MHS has an extensive commitment to providing students with a learning environment in which they can grow and develop in the 21st century through technology integration in the classroom.

## LEVELING INFORMATION

Courses at Medfield High School are offered at the Honors (H), College Prep 1 (C1), and College Prep 2 (C2) level for freshmen and sophomores. In addition to these levels, juniors and seniors, may take courses at the advanced placement (AP) level. Courses at all levels align with the state curriculum frameworks but differences occur in the pacing, depth of coverage, and independent study required.

## ADVANCED PLACEMENT OFFERINGS

Sixteen AP level courses are offered: Biology, Calculus AB, Calculus BC, Chemistry, Economics, English Language & Composition, English Literature, Environmental Science, French, Physics II (Algebra based), Psychology, Spanish, Statistics, Studio Art, US Government & Politics, and US History.

## GRADUATION REQUIREMENTS

Students must pass a minimum number of full year courses or their equivalency according to the chart listed below:

### Required Courses

English	20 credits
Social Studies	15 credits (5 credits must be US History)
Science	15 credits
Mathematics	15 credits
Wellness	10 credits
World Languages	10 credits (of the same language at the high school level)
Visual & Applied Arts	5 credits

### Total credit requirements are: 115 credits

Students must achieve a competency determination on the English/Language Arts, Mathematics and Science MCAS.

## MARKING SYSTEM

A+ 97-100   A 93-96   A- 90-92   B+ 87-89   B 83-86   B- 80-82   C+ 77-79   C 73-76   C- 70-72  
D+ 67-69   D 63-66   D- 60-62   F Below 60   I Incomplete   P Passing   W Withdrawn   H Honors

## GRADE POINT AVERAGES

Each Medfield High School student is provided two GPA profiles and decile rankings, weighted and unweighted. The GPA is only calculated at the end of the semester and is based on a 4.0 scale.

The GPA is calculated by utilizing the grades earned in all courses with the exception of Pass/Fail courses, Skill Development, and special programs. The weighted GPA profile is calculated by providing students with an additional 0.8 for full year courses and 0.4 for all semester courses taken at the honors or advanced placement (AP) level.

The GPA of students who transfer to Medfield High School only reflects work completed at Medfield High School. To be included in the decile ranking system, students must have completed a minimum of three semesters at Medfield High School.

Grade	C1/C2	AP/H	Grade	C1/C2	AP/H	Grade	C1/C2	AP/H	Grade	C1/C2	AP/H
A+	4.33	5.13	B+	3.33	4.13	C+	2.33	3.13	D+	1.33	2.13
A	4.00	4.80	B	3.00	3.80	C	2.00	2.80	D	1.00	1.80
A-	3.67	4.47	B-	2.67	3.47	C-	1.67	2.47	D-	0.67	1.47

## ARTS, ATHLETICS AND EXTRACURRICULARS

As a member of the Tri-Valley League, approximately 85% of MHS students participate in 28 sports offered at the varsity, junior varsity or freshman levels. The Warriors have won an amazing 23 state titles since the year 2000 in eight different sports. In the arts, MHS students routinely receive prestigious national, statewide and local awards for accomplishments in music, visual arts, theater, and other areas. Additionally, students at MHS participate in about 30 different clubs.

## SAT REASONING

Old SAT Score Summary (October 2015-January 2016)

Total Test Takers	216
Mean Critical Reading	545
Mean Math	574
Mean Writing	530

New SAT Score Summary (March - June 2016)

Total Test Takers	271
Mean Total Score	1188
Mean ERW	593
Mean Math	596

## SAT SUBJECT TESTS

Subject	67 #Test Takers		173 # Tests	
	Mean	# Taken	Mean	# Taken
Biology-E	645	10		
Biology-M	663	27		
Chemistry	614	14		
French		1		
Latin		1		
Literature	631	13		
Math IC	687	31		
Math IIC	719	30		
Physics	669	16		
Spanish	580	5		
US History	653	24		

## THE ACT

Total Test Takers 171

	English	Math	Reading	Science	Composite
MEAN	25.6	26.6	26.2	25.7	26.2

## 2016 ADVANCED PLACEMENT INFORMATION

569 exams were given to 289 students.

74% of scores were 3 or above

## GPA DISTRIBUTION – CLASS OF 2017

Unweighted GPA Range	Weighted GPA Range
4.33 highest possible	5.02 highest possible
10% 4.1732 - 3.8257	10% 4.6533 - 4.2252
20% 3.8252 - 3.6986	20% 4.2236 - 3.9814
30% 3.6955 - 3.5790	30% 3.9781 - 3.8510
40% 3.5752 - 3.4310	40% 3.8412 - 3.6362
50% 3.4281 - 3.3248	50% 3.6348 - 3.4738
60% 3.3200 - 3.1350	60% 3.4676 - 3.2278
70% 3.1295 - 2.9688	70% 3.2262 - 3.0732
80% 2.9681 - 2.8780	80% 3.0317 - 2.9027
90% 2.8607 - 2.6585	90% 2.8956 - 2.7149
100% 2.6578 - 1.8474	100% 2.7068 - 1.8474

## COURSE OFFERINGS

### ENGLISH

AP English Literature & Composition  
 English Literature(C2, C1, H)  
 AP English Language & Composition  
 American Literature (C2, C1, H)  
 World Literature (C2, C1, H)  
 English 9 (C2, C1, H)  
 Advanced Writing Seminar (H)  
 Creative Writing (C1)  
 Expository and Analytical Writing (C1)  
 Film Theory (C1)  
 Journalism (C1)  
 Speech (C1)  
 Yearbook Design & Publishing (C1)

### MATH

AP Calculus BC  
 AP Calculus AB  
 AP Statistics  
 Calculus (H)  
 PreCalculus (C2, C1)  
 Topics in Math (C2)  
 Applied Math (C2)  
 Math Analysis (H)  
 Advanced Algebra & Trigonometry (C1)  
 Functions and Trigonometry (C2)  
 Algebra II (C2, C1, H)  
 Geometry (C2, C1, H)  
 Algebra I (C2)

### SCIENCE

AP Biology (\*lab)  
 AP Chemistry (\*lab)  
 AP Environmental Science (\*lab)  
 AP Physics (\*lab)  
 Chemistry (C2, C1, H) (\*lab)  
 Physics I (C2, C1, H) (\*lab)  
 Biology I (C2, C1, H) (\*lab)  
 Engineering I  
 Environmental Studies  
 Forensic Science (\*lab)  
 Human Anatomy & Physiology (\*lab)  
 Marine Science (\*lab)

### SOCIAL STUDIES

AP US History  
 AP Psychology  
 AP US Government & Politics  
 AP Economics  
 US History II (C2, C1, H)  
 US History I (C2, C1, H)  
 World History II (C2, C1, H)  
 21st Century Citizenship  
 Behavioral Studies  
 Future Studies  
 Modern World Conflicts  
 General Psychology  
 Sociology

### SPECIAL PROGRAMS

Independent Study  
 Online Courses (TEC, VHS)  
 Senior Project  
 Work Release

### WORLD LANGUAGE

AP French  
 AP Spanish  
 French V (H)  
 Mandarin V  
 Spanish V (H)  
 French IV, III, II, I  
 Latin IV (H)  
 Mandarin IV, III, II, I  
 Spanish IV, III, II, I  
 Latin III, II, I  
 Intro to Spanish  
 Global Spanish

### BUSINESS AND TECHNOLOGY

Accounting I  
 Accounting II (H)  
 Computer Application  
 Development  
 Computer Science  
 Entrepreneurship  
 Introduction to Business  
 Technology Help Desk

### PERFORMING ARTS

Band  
 Concert Choir  
 Intro to Guitar  
 Orchestra Strings  
 Chamber String (H)  
 Jazz Band (H)  
 Lab Jazz Ensemble  
 Jazz Choir (H)

### VISUAL ARTS

3-Dimensional Design  
 Drawing & Painting  
 Introduction to Art  
 Graphic Design I  
 Graphic Design II  
 Photography I  
 Photography II  
 Video Production  
 Art I  
 Art II  
 Studio Art (H)  
 AP Studio Art

### WELLNESS

Wellness 9  
 Wellness 10  
 Athletic Training  
 Child Development  
 Culinary Arts  
 International Cuisine and Culture  
 Survival Skills  
 Activities for Life 9/10  
 Activities for Life 11/12  
 Ballroom Dance  
 Outdoor Pursuits  
 Personal Safety  
 Stress Management

**POST SECONDARY PLANS**

<u>Class of</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>
Four Year College	93.2%	92.5%	93%	94%	94%
Two Year College	1.1%	1.5%	1.2%	1.2%	1.2%
Non-College Education	1.8%	1%	1.2%	1.1%	1%
Military	.01%	1%	.01%	.01%	0
Employment	1.2%	.5%	1.4%	3.4%	1.5%

**COLLEGE AND UNIVERSITY MATRICULATION**

Top Schools Matriculated

University of Massachusetts, Amherst	21	Bentley University	4
Providence College	9	Colby College	4
University of New Hampshire	7	Colgate University	4
Quinnipiac University	6	Merrimack College	4
University of Maine	6	Westfield State University	4
Northwestern University	5		

American University	Keene State College	Syracuse University
Assumption College	Loyola University Maryland	The George Washington University
Becker College	Maine Maritime Academy	The University of Scranton
Bentley University	Marquette University	The University of Tampa
Boston College	Massachusetts Bay Community College	Trinity College
Boston University	Massachusetts College of Art and Design	Tufts University
Bowdoin College	Massachusetts Maritime Academy	Tulane University
Bridgewater State University	Merrimack College	Union College
Bryant University	Miami University, Oxford	University of California, Santa Barbara
Central Connecticut State University	Middlebury College	University of Colorado at Boulder
Champlain College	Mount Ida College	University of Delaware
Colby College	Newbury College	University of Denver
Colgate University	Niagara University	University of Maine
College of Charleston	Nichols College	University of Maine at Farmington
College of the Holy Cross	Northwestern University	University of Maryland, College Park
Curry College	Palm Beach Atlantic University	University of Massachusetts, Amherst
Duke University	Pennsylvania State University	University of Massachusetts, Lowell
Elmira College	Plymouth State University	University of Miami
Elon University	Providence College	University of Michigan
Emerson College	Purdue University	University of New Hampshire at Durham
Emmanuel College	Quinnipiac University	University of Notre Dame
Endicott College	Rivier University	University of Pittsburgh
Fairfield University	Roger Williams University	University of Puget Sound
Fitchburg State University	Sacred Heart University	University of San Diego
Florida State University	Saint Anselm College	University of South Carolina
Fordham University	Saint Joseph's College-ME	University of Toronto
Framingham State University	Salem State University	University of Vermont
Georgetown University	Siena College	Villanova University
Georgia Institute of Technology	Simmons College	Wake Forest University
Goucher College	Skidmore College	Wentworth Institute of Technology
Hamilton College - NY	St. Lawrence University	Western New England University
High Point University	Stonehill College	Westfield State University
Hobart and William Smith Colleges	Suffolk University	Wheaton College MA
Ithaca College	SUNY College of Environmental	Worcester Polytechnic Institute
Johns Hopkins University	Science and Forestry	York St John University