

Hopkinton High School Profile 2016-2017

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CEEB # 221-060



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THE COMMUNITY

Hopkinton, one of Massachusetts' largest towns geographically, is also one of the state's fastest growing communities. This record-breaking growth has been influenced by Hopkinton's proximity to Worcester, Boston, and Providence, Rhode Island, and its easy accessibility to Routes 495, 9, and the Massachusetts Turnpike. The rural beauty and friendly small-town character of Hopkinton have been preserved as the town's industrial base has changed from agriculture to biomedical and technology. Best known as the starting place for the Boston Marathon, Hopkinton is located twenty-six miles west of downtown Boston.

THE SCHOOL

Hopkinton High School (HHS) is a public, four-year, comprehensive high school with an enrollment of approximately **1100** students in grades nine through twelve. It is accredited by the New England Association of Colleges and Secondary Schools. On average, ninety-six percent of recent graduates continue their education after graduation. The Class of 2017 currently has **280** students.

GRADUATION REQUIREMENTS

In order to earn a Hopkinton High School diploma, a student must accrue a minimum of 113 credits. Courses meeting five times a cycle earn 2.5 credits per semester. The distribution requirements for graduation for the Class of 2017 are:

English	20 credits
Mathematics	20 credits
Science	15 credits
Social Studies	15 credits
Foreign Language	10 credits
Wellness	8 credits
Arts and Technology	5 credits

PROGRAM OF STUDY

Hopkinton High School offers subjects at various levels designed to meet the needs of the students.

General courses include Art, Music, Drama, Wellness, Technical Education, and other electives that are available to all students.

College Preparatory courses are designed for students who are preparing to continue their education beyond high school. These courses are taught with high expectations for depth of understanding and independent work. Foundations courses are college preparatory classes that are taught in small groups.

Honors courses are designed to be rigorous, challenging, in-depth courses requiring extensive work outside the classroom.

Accelerated and Advanced Placement courses are fast paced courses that cover more material in greater depth than honors level courses. Accelerated courses offer rapid paced honors work that prepares students for Advanced Placement courses, and are currently available in Algebra I, Geometry, Algebra II, and Calculus. AP courses follow the College Board's curriculum.

MARKING SYSTEM

A+ = 97 to 100	A = 93 to 96	A- = 90 to 92
B+ = 87 to 89	B = 83 to 86	B- = 80 to 82
C+ = 77 to 79	C = 73 to 76	C- = 70 to 72
D+ = 67 to 69	D = 63 to 66	D- = 60 to 62
F = 0 to 59	* Minimum passing grade is 60.	

GRADE POINT AVERAGE

Weighted Grade Point Average is determined for all Hopkinton High School students based on a 4.0 scale. The Grade Point Average (GPA) is based on grades in academic subjects only. Weight is given to the honors level (+.5), Accelerated (+.75), and AP (+1.0), according to the following scale:

Grade	College Prep	Honors	Accelerated	AP
A+	4.3	4.8	5.05	5.3
A	4.0	4.5	4.75	5.0
A-	3.7	4.2	4.45	4.7
B+	3.3	3.8	4.05	4.3
B	3.0	3.5	3.75	4.0
B-	2.7	3.2	3.45	3.7
C+	2.3	2.8	3.05	3.3
C	2.0	2.5	2.75	3.0
C-	1.7	2.2	2.45	2.7
D+	1.3	1.8	2.05	2.3
D	1.0	1.5	1.75	2.0
D-	.7	1.2	1.45	1.7

Only courses taken at Hopkinton High School are factored into our weighted academic GPA. Summer School courses, nonacademic courses, and Pass/Fail courses are not factored into the HHS GPA.

GRADE REPORTING SYSTEM

Hopkinton High School uses a two-semester grading system. Final semester grades are the only grades reported on the transcript. Semester grades are available at the beginning of February and the end of June. Student's mid-semester progress report grades are available to colleges. *Information on attendance and discipline is not available to colleges per school policy.*

SCHEDULE

Students are required to carry a minimum of six subjects each semester. Classes are scheduled in a seven-day rotation. All major courses are scheduled five times per seven-day cycle, with one 90-minute class per cycle. The four other periods are 60 minutes in length. Science classes may meet up to two additional periods each cycle.

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POSTSECONDARY PLANS OF GRADUATES

Class of:	2016	2015	2014
4 Year College	92%	91%	86%
2 Year College	3%	3%	4.3%
Employment	1.6%	2%	4.6%
Military	0%	1%	0%
Prep School	1%	0%	<1%
Career Education	0%	<1%	<1%
GAP Year	<1%	1.4%	1.6%
Int'l Students Ret.Home	1.6%	1.4%	2%
Total to Further Education Class of 2016: 96%			

COLLEGE ADMISSIONS TEST SCORES

Class of:	2016	2015	2014
SAT Critical Reading	563	566	574
SAT Math	591	588	587
SAT Writing	552	558	562
ACT Composite	24.6	25.3	25.4

87% of the Class of 2016 took the SATs.
84% of the Class of 2016 took the ACTs.

Data taken from our Naviance 2016 statistics and is based on the mean of the graduating seniors' highest test scores in each category.

NATIONAL MERIT (NMSQT) RESULTS

Five percent of the Class of 2016 received recognition in the National Merit Scholarship Program. These included 15 Commended students and 1 National Hispanic Recognition Award.

POLICY ON RANK IN CLASS

Per Hopkinton High School policy, we do not compute a Rank-In-Class for students.

SENIOR PROJECT

Designed as a final culminating learning experience, seniors who opt for Senior Project are released from classes for the last 4 weeks of the year. The project, which is supervised by a faculty advisor and a mentor in the field, allows seniors to conduct an in-depth study or internship in an area of special interest.

GROWING ENGINEERING PROGRAM

With a burgeoning interest in STEM careers, we have rapidly grown our Engineering and Technology program to include Robotics, Team Robotics, Honors Sustainable Engineering, Honors Engineering & Technology, and Fab Lab: 3-D Design and Fabrication. Simultaneously, our number of young women interested in STEM careers and enrolled in these courses has grown exponentially. New extracurricular offerings include: Women in STEM, Robotics Club, and Science Olympiad.

ADVANCED PLACEMENT ADVANCED PLACEMENT COURSES 2016-17

AP English Language & Composition
AP English Literature & Composition
AP US History
AP Government & Politics: US
AP World History
AP Art History
AP Psychology
AP Physics I
AP Biology
AP Chemistry
AP Environmental Science
AP Calculus AB
AP Calculus BC
AP Statistics
AP Computer Science
AP French Language
AP Spanish Language
AP Studio Art
*Other AP courses (VHS and Independent Study) include Micro and Macroeconomics, Human Geography, Music Theory, Chinese Language, Physics C: Electricity, Physics C: Mechanics, and Spanish Literature

469 HHS students took **989** Advanced Placement exams in May 2016.

2016 AP EXAMS	# Taking Test	Average Score
AP Art History	89	2.375
AP Biology	95	3.747
AP Calculus AB	87	4.517
AP Calculus BC	27	4.519
AP Chemistry	71	3.380
AP Eng. Language	81	4.074
AP Eng. Literature	23	4.130
AP Environ Science	61	3.033
AP Physics I	43	3.767
AP Psychology	184	4.582
AP Spanish Language	19	4.579
AP French Language	18	3.333
AP Statistics	33	3.242
AP US History	50	4.265
AP Gov & Politics: US	64	3.547
AP Studio Art	3	3.667
AP Computer Science	12	2.417
AP World History	10	3.900
*Other AP Courses	19	3.526

The Academic Program 2016-2017

English

English 9 (CP), (H)
English 10 (CP), (H)
American Literature I & II (CP), (H)
Contemporary Literature (H)
Creative Writing (CP), (H)
Multicultural Literature (H)\Comparative Mythology (H)
Literature and War (CP)
Journalism for the 21st Century (CP), (H)
English for the Modern World (CP) *Non-fiction course*
Film as Literature (CP)
AP English Language & Composition (A)
AP English Literature & Composition (A)
Foundations in English 9, 10, American Lit & Writing (CP)

Foreign Language

Mandarin Chinese I, II, III, IV (H)
French II, III, IV (CP), (H)
AP French Language (A)
Intro to Spanish (CP)
Global Spanish (CP)
Spanish I, II (CP)
Spanish III, IV (CP), (H)
Spanish V (H)
AP Spanish Language (A)

History/Social Sciences

Modern World History (CP), (H)
U.S. History & Government Part I (CP), (H)
U.S. History & Government Part II (CP), (H)
AP US History I (A)
AP U.S. History II (A)
AP Government & Politics: US (A)
AP World History (A)
AP Art History (A)
Facing History & Ourselves (CP), (H)
International Issues 21st Century (H)
Law in America Today (CP), (H)
Intro to Psychology (CP)
AP Psychology (A)
Intro to Sociology (H)
Time to Think (H) *Human Judgment, & Reasoning*
Economics (CP), (H)

Mathematics

Algebra I (CP), (H)
Accelerated Algebra I (Acc)
Geometry (CP), (H)
Accelerated Geometry (Acc)
Algebra II (CP), (H)
Accelerated Algebra II (Acc)
Pre-Calculus (CP), (H)
Accelerated Calculus A (Acc)
Calculus (H)
AP Calculus AB (A)
AP Calculus BC (A)
Statistics (H)
AP Statistics (A)
Advanced Quantitative Reasoning (CP)
AP Computer Science (A)
Math for College Readiness (CP)
Foundations in Algebra I, II, and Geometry (CP)

(CP) College Prep, (H) Honors, (Acc) Accelerated, (A) AP

Science

Intro to Chemistry (CP), (H)
Intro to Physics (CP), (H)
Biology (CP), (H)
AP Biology (A)
Chemistry (CP), (H)
AP Chemistry (A)
Conceptual Physics (CP)
Physics (H)
AP Physics I (A)
Understanding the Earth (CP)
Blue Planet: The Role of Water (CP)
Human Impacts on the Environment (CP)
Forensics (CP)
AP Environmental Science (A)
Anatomy & Physiology (CP), (H)

Business/ Technology/ Media Arts

Intro to Robotics & Team Robotics (H)
Engineering (H)
Sustainable Engineering (H)
Introduction to Business
Entrepreneurship
Media Communications
Digital Filmmaking I & II
Mobile Application Development
Web Design I
Fab Lab: 3D Design & Fabrication

Visual & Performing Arts

Studio Art I, II, III, IV
AP Studio Art
Digital Art
Graphic Design I
Photography I, II & III
Digital Photography
Smart Phone Photography
Ceramics I, II, III, & IV
Yearbook
Public Speaking
Passages
Symphonic Band
Concert Band (H)
String Orchestra
Chorus
Women's Choir
Music Technology & Sound Engineering
Acoustic Guitar Workshop I & II

Wellness

Wellness Grade 9, 10
Advanced Strength Training
Tai Chi/Yoga
RAD Defense
Personal Fitness
Recreational Team Activities
Stress & the Psychology of Performance

Virtual High School & TEC Online

60+ seats available per semester for upperclassmen; over 200 approved on-line courses. (www.govhs.org and www.tec-coop.org/alt-skls-online.htmlp.org)
Detailed course descriptions may be found in the HHS Program of Studies posted on the Hopkinton High School website.