Hopkinton High School Profile
2018-2019

Hopkinton High School, 90 Hayden Rowe Street, Hopkinton, MA 01748

www.hopkinton.k12.ma.us

CEEB # 221-060

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THE COMMUNITY
Hopkinton, one of Massachusetts’ largest towns geographically, remains 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 1,187 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 2019 currently has 288 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 2019 are:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>20</td>
</tr>
<tr>
<td>Mathematics</td>
<td>20</td>
</tr>
<tr>
<td>Science</td>
<td>15</td>
</tr>
<tr>
<td>Social Studies</td>
<td>15</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>10</td>
</tr>
<tr>
<td>Wellness</td>
<td>8</td>
</tr>
<tr>
<td>Arts and Technology</td>
<td>5</td>
</tr>
</tbody>
</table>

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, and Algebra II. AP courses follow the College Board’s curriculum.

MARKING SYSTEM

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>97-100</td>
<td>93-96</td>
</tr>
<tr>
<td>B+</td>
<td>87-89</td>
<td>83-86</td>
</tr>
<tr>
<td>C+</td>
<td>77-79</td>
<td>73-76</td>
</tr>
<tr>
<td>D+</td>
<td>67-69</td>
<td>63-66</td>
</tr>
<tr>
<td>F</td>
<td>0-59</td>
<td>*Minimum passing grade is 60.</td>
</tr>
</tbody>
</table>

GRADE POINT AVERAGE
Weighted Grade Point Average is determined for all Hopkinton High School students based on a 4.0 scale. The weighted 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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>College Prep</th>
<th>Honors</th>
<th>Accelerated &amp; AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>4.3</td>
<td>4.8</td>
<td>5.3</td>
</tr>
<tr>
<td>A</td>
<td>4.0</td>
<td>4.5</td>
<td>5.0</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
<td>4.2</td>
<td>4.7</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td>3.8</td>
<td>4.3</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>3.5</td>
<td>4.0</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td>3.2</td>
<td>3.7</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td>2.8</td>
<td>3.3</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>2.5</td>
<td>3.0</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
<td>2.2</td>
<td>2.7</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
<td>1.8</td>
<td>2.3</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>D-</td>
<td>.7</td>
<td>1.2</td>
<td>1.7</td>
</tr>
</tbody>
</table>

Only courses taken at Hopkinton High School are factored into our weighted academic GPA. Summer School courses, non-academic courses, and Pass/Fail courses are not factored into the HHS GPA. An unweighted GPA, including all course grades, is also available on the transcript.

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 in February and June. 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.
POSTSECONDARY PLANS OF GRADUATES
Class of: 2018 2017 2016
4 Year College 95% 92% 91%
2 Year College 1.3% 3% 3%
Employment <1% 1.6% 2%
Military 0% 0% 1%
Prep School 0% 1% 0%
Career Education 1% 0% <1%
GAP Year 2% <1% 1.4%
Total to Further Education Class of 2018: 97.3%

COLLEGE ADMISSIONS TEST SCORES
Class of: 2018 2017 2016
SAT EBRW/CR 640 620 563
SAT Math 650 630 591
ACT Composite 27.6 26.6 24.6

86% of the Class of 2018 took the SATs.
59% of the Class of 2018 took the ACTs.

Data taken from our Naviance 2018 statistics and is based on the mean of the graduating seniors’ highest test scores in each category.

NATIONAL MERIT (NMSQT) RESULTS
Seven percent of the Class of 2018 received recognition in the National Merit Scholarship Program. These included 16 Commended students, and 4 Semifinalists.

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, Re-engineering History 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 COURSES OFFERED 2018-19
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 Physics C: Mechanics
AP Biology
AP Chemistry
AP Environmental Science
AP Calculus AB
AP Calculus BC
AP Statistics
AP Computer Science Principles
AP French Language
AP Spanish Language
AP Studio Art
AP Music Theory
*Other AP courses (VHS, TEC Online and Independent Study) include Music Theory, Micro and Macroeconomics, Human Geography, Chinese Language, and Italian.

486 HHS students took 1100 Advanced Placement exams in May 2018.

<table>
<thead>
<tr>
<th>2018</th>
<th># Taking Test</th>
<th>HHS Avg</th>
<th>National Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Art History</td>
<td>62</td>
<td>2.194</td>
<td>2.9</td>
</tr>
<tr>
<td>AP Biology</td>
<td>89</td>
<td>3.798</td>
<td>2.9</td>
</tr>
<tr>
<td>AP Calculus AB</td>
<td>83</td>
<td>4.470</td>
<td>2.9</td>
</tr>
<tr>
<td>AP Calculus BC</td>
<td>32</td>
<td>4.063</td>
<td>3.7</td>
</tr>
<tr>
<td>AP Chemistry</td>
<td>74</td>
<td>3.581</td>
<td>2.8</td>
</tr>
<tr>
<td>AP Eng. Language</td>
<td>93</td>
<td>3.989</td>
<td>2.8</td>
</tr>
<tr>
<td>AP Eng. Literature</td>
<td>22</td>
<td>4.182</td>
<td>2.7</td>
</tr>
<tr>
<td>AP Environ Science</td>
<td>83</td>
<td>3.145</td>
<td>2.7</td>
</tr>
<tr>
<td>AP Physics I</td>
<td>16</td>
<td>3.875</td>
<td>N/A</td>
</tr>
<tr>
<td>AP Physics C:Mechanics</td>
<td>35</td>
<td>4.543</td>
<td>N/A</td>
</tr>
<tr>
<td>AP Psychology</td>
<td>188</td>
<td>4.771</td>
<td>2.8</td>
</tr>
<tr>
<td>AP Spanish Language</td>
<td>19</td>
<td>4.421</td>
<td>3.3</td>
</tr>
<tr>
<td>AP French Language</td>
<td>12</td>
<td>3.583</td>
<td>3.8</td>
</tr>
<tr>
<td>AP Statistics</td>
<td>48</td>
<td>3.458</td>
<td>2.8</td>
</tr>
<tr>
<td>AP US History</td>
<td>51</td>
<td>4.078</td>
<td>2.6</td>
</tr>
<tr>
<td>AP US Gov &amp; Politics</td>
<td>113</td>
<td>3.690</td>
<td>2.7</td>
</tr>
<tr>
<td>AP Studio Art</td>
<td>6</td>
<td>4.000</td>
<td>N/A</td>
</tr>
<tr>
<td>AP Comp Sci Principles</td>
<td>27</td>
<td>3.741</td>
<td>N/A</td>
</tr>
<tr>
<td>AP World History</td>
<td>23</td>
<td>4.227</td>
<td>2.6</td>
</tr>
<tr>
<td>*Other AP Courses</td>
<td>24</td>
<td>4.291</td>
<td>N/A</td>
</tr>
</tbody>
</table>
# The Academic Program 2018-2019

## 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)
- Literature and War (CP)
- Introduction to Journalism (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 Literature (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 US History II (A)
- AP US Government & Politics (A)
- AP World History (A)
- Law in America Today (CP), (H)
- Intro to Psychology (CP)
- AP Psychology (A)
- Intro to Sociology (H)
- Time to Think (H) *Human Judgment, & Reasoning*
- Intro to Economics (CP), (H)
- Facing History & Ourselves (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)
- Calculus (H)
- AP Calculus AB (A)
- AP Calculus BC (A)
- AP Statistics (A)
- Advanced Quantitative Reasoning (CP)
- Math for College Readiness (CP)
- Foundations in Algebra I, II, and Geometry (CP)

## 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)& AP Physics C: Mechanics (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
- Lego Robotics & Team Robotics (H)
- Engineering (H)
- Sustainable Engineering (H)
- Cooperative Business & Marketing
- HHS TV I and II
- Game Design
- Re-engineering History
- Web Design I
- Fab Lab: 3D Design & Fabrication
- Computer Science Discoveries
- AP Computer Science Principles (A)

## Visual & Performing Arts
- Studio Art I, II, III, IV
- AP Studio Art
- AP Art History (A)
- Digital Art
- Graphic Design I & II
- Fashion & Textile Design
- Photography I, II & III
- Digital Photography
- Smart Phone Photography
- Ceramics I, II, & III
- Yearbook
- Public Speaking I & II
- Passages
- Symphonic Band
- Concert Band
- String Orchestra
- Chorus & Women’s Choir
- Music Technology & Sound Engineering
- Acoustic Guitar Workshop I & II
- AP Music Theory

## Wellness
- Wellness Grade 9, 10
- RAD Defense & RAD for Men
- Personal Fitness & Lifetime Pursuits
- Ballroom Dancing
- Fitness Through Games
- Stress Management
- Officiating Sports
- Optimizing Academics Through Movement

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

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Detailed course descriptions may be found in the HHS Program of Studies posted on the Hopkinton High School website.