



ANDOVER HIGH SCHOOL

School Profile 2019-2020

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COMMUNITY—Located just 20 miles from Boston, the town of Andover is a suburban community of 32 square miles with a population of over 31,000. Andover is home to many high technology firms such as Hewlett Packard, Raytheon, Schneider Electric, Fresenius and Pfizer. The quality of education attracts students from throughout the United States and the world.

SCHOOL—Andover High School is accredited by the New England Association of College and Secondary Schools. It is a four year suburban public high school which offers a comprehensive and diverse curriculum. Andover High School has won numerous awards throughout the years including the gold medal in the international category of Science & Technology Innovation at the 37th Beijing Youth Science Creation Competition, Siemens Award for Advanced Placement Excellence in Math and Science and the Vanguard Award from Mass Insight. Our students excel not only in academics, which culminates with many of them being accepted to top tier colleges, but also in a variety of extra-curricular activities. Our girls' Swim and Dive Team has won the state championship 16 out of the last 17 years. Our Show Choir has won awards at national competitions. Many of our students have been recipients of the Boston Globe Arts and Scholastic Awards and our DECA team has consistently qualified for the international championships. There are also a variety of student opportunities for independent study, Senior Capstone projects, and community service. Andover High School continues to pursue new and innovative initiatives such as the Global Pathways, Environmental Science Internships, Andover Innovation Lab and the Engineering Externship Program.

ACADEMIC PROGRAM—New 7+ H Schedule: Effective September 2017, Andover High School instituted a yearlong rotating schedule that operates on an 8-day cycle. Students enroll in 7 credits plus an H Block. Courses meet 5 times during the 8 day rotation. Most courses are 1.0 credit yearlong classes, however some elective courses are offered as .5 credit classes for a semester. **H-Block**—In addition to 7 academic credits, all AHS students will also participate in H-Block (Student Enrichment). H-Block is designed to personalize the students' school experience at Andover High School and create a strong sense of community. H-Block provides students with new opportunities: 1) Advisory— Meets Day 1 with a small group of students throughout the year. 2) Academic Support—Students seeking assistance sign up for extra time with teachers. Teachers sign up students who are missing assignments/need extra help. 3) Enrichment — If students are caught up on academics, they are free to sign up for a special activity with a teacher.

Previous Block Scheduling: Until the 2017-2018 school year, Andover High School utilized a semesterized block schedule consisting of four 82 minute periods. The majority of academic courses met daily for one semester; AP courses met for two semesters. Students enrolled in 3.5 to 4 credits each semester.

GRADUATION REQUIREMENTS

Andover High School has established fundamental guidelines that are essential for a well-rounded Andover High School graduate. All students must enroll in the courses that fulfill the central curriculum as defined below. In addition, students earn elective credits by selecting courses from the departments of their choice. All students must earn a minimum of 24 credits.

*Requirements for the class of 2019 & beyond have been adjusted to reflect the 7+H schedule that began in Sept. 2017.

Department	Class of 2020
English	4 credits
Social Studies	3 credits
Mathematics	4 credits
Science	3 credits
World Language	2 credits
Physical Education	2 credits
Health Education	1 credit
Arts: Performing/Visual or Digital Learning	1.5 credits
Additional Electives	3.5 credits
Minimum credits for graduation:	24 credits

ENDORSEMENT OF GLOBAL ENGAGEMENT -The Endorsement of Global Engagement program (EGE) is an opportunity for students to earn an official certification attached to the Andover High School transcript stating that the student has gone beyond normal expectations to analyze, interact and develop global competence and understanding, which will lead to future success in an increasingly interconnected world.

To obtain the endorsement, students who are admitted into the program must meet the following criteria:

- ◆ Earn 4 credits in the same world language. Take 4 additional courses from the identified academic course list.
- ◆ Participate in a Global Service Learning experience outside of Andover for a minimum of 20 hours.
- ◆ Participate in an Immersive Global Engagement Travel experience for a minimum of 20 hours
- ◆ Fulfill the EGE e-Portfolio requirements, which include completing an investigation on a global issue and writing a research paper, developing an EGE resume, writing a reflective essay on the experience, and creating a final presentation.

SENIOR CAPSTONE - An AHS Senior Capstone Project (CAPS) is an advanced research seminar. CAPS students pursue a researchable question through quantitative and qualitative research methods along with a substantial field-based inquiry project. CAPS offers students a chance to create an independent academic experience, with the focus on authentic inquiry. The goal of the CAPS Seminar is for students to merge their various interests, curiosities, and passions with their academic and intellectual lives, that take shape through Original Field Research, an Inquiry Paper, a web-based Project Portfolio, and a faculty/alumni judged Community Presentation that communicates all the student has learned.

SENIOR EXHIBITION - Seniors may create a selective, independent, academic project. Students must submit a proposal, engage in a rigorous investigation of the topic, create an original project and present their work in May.

DUAL ENROLLMENT - Andover High School provides opportunities for juniors and seniors to take college-level courses and earn credit simultaneously toward high school completion and their future college degrees.

VIRTUAL HIGH SCHOOL & ONLINE COURSES - Andover High School provides juniors and seniors with the opportunity to enroll in online elective courses through a variety of educational institutions. Effective Fall 2017, Andover High School has joined The Virtual High School Consortium.

AVID - Effective Fall 2017, AHS has joined AVID (Advancement Via Individual Determination), a global nonprofit organization dedicated to closing the achievement gap by preparing all students for college and other postsecondary opportunities through an elective class, where students learn organizational and study skills, work on critical thinking, asking probing questions, get academic help from peers and college tutors, and participate in enrichment and motivational activities that make college seem attainable.

ATHLETICS - Sixty percent of students participate in the Andover High School’s athletic program, which offers 22 sports and 57 teams.

CLUBS - Andover High School offers over 40 after school clubs and activities, such as Mock Trial, Robotics, Interact Club, and the Drama Guild. An active National Honor Society provides weekly after school tutoring and organizes an annual scholarship benefit.

COMMUNITY SERVICE - While there is no community service requirement, Andover High School students are very active giving back by sponsoring blood drives, coordinating fund raising events and volunteering at local schools and community organizations.

MENTORING PROGRAM - The Career Mentor Program, sponsored by the Service Club of Andover, pairs eleventh grade students with adults in the community for career mentoring, job shadowing and college exploration.

SPECIAL PROGRAMS - Andover High School hosts students in the A Better Chance Program and participates in the AFS Inter-cultural Exchange Program as well as the Rotary Youth Exchange Program.

EXPLANATION OF COURSE LEVELS - The curriculum offers a broad selection of courses at varying instructional levels to meet the needs and abilities of all students

	Course Levels
Level 7	Advanced Placement
Level 5	Enriched
Level 1	Honors Program
Level 2	Demanding College Preparatory Program
Level 3	College Preparatory Program
Unleveled	Elective Courses

CLASS OF 2019—AVERAGE STANDARDIZED TESTING SCORES

Average SAT Scores (398 Students Tested)

ERW	MATH
609	612

Future Plans Class of 2019 • Class Size 430

Class of 2019 Top 15% Matriculation	
Boston College	5
Boston University	4
Brigham Young University	2
Carnegie Mellon University	1
Clark University	1
Cornell University	1
Drexel University	1
Elon University	1
Emory University	1
Fairfield University	1
Indiana Univ. Bloomington	1
Northeastern University	10
Oklahoma Wesleyan Univ.	1
Penn State Univ.	1
Pepperdine University	1
Princeton University	1
Purdue University	1
Rensselaer Polytechnic Inst.	1
Smith College	1
St. Anselm College	1
Trinity College	1
Tufts University	4
Union College (New York)	1
University of Richmond	1
University of Vermont	1
Universiteit van Amsterdam	1
University of MA Amherst	2
University of MA	1
University of Miami	1
University of Michigan	2
Univ. of NC Chapel Hill	1
University of Notre Dame	1
University of Vermont	1
Villanova University	4
Washington Univ. in St. Louis	1
Wesleyan University	2
Worcester Polytechnic Inst.	4
Yale University	1

4 Year College	91.1%
2 Year College	3.7%
Post Graduate	1.2%
Year Off	2.3%
Military	0.5%
Work	1.2%

% Continuing Education
71% Attending 1st Choice School
 National Merit Scholarship Program
 Class of 2020 Commended 17

Advanced Placement Program May 2019 Total AP Students : 513 Total Exams 953

# Exams	Scores
254	5s
275	4s
236	3s
155	2s
33	1s

81% scored 3 or higher

**Advanced Placement Program
 May 2019 Total AP Students : 513 Total Exams 953**

AP Scholars	Total Students 171
AP Scholar	
Number of Students	61
Average Score	3.74
AP Scholar with Honor	
Number of Students	46
Average Score	3.98
AP Scholar with Distinction	
Number of Students	58
Average Score	4.35
National AP Scholar	
Number of Students	5
Average Score	4.71
International AP Scholar	
Number of Students	1
Average Score	4.57

AP COURSES	1	2	3	4	5	Total
Biology	3	20	30	36	10	99
Calculus AB		2	10	18	34	64
Calculus BC					11	11
Chemistry		6	12	10	13	41
Chinese Lang & Culture				1	8	9
Computer Sci A			3	4	30	37
Comuter Sci Princ			3	6	6	15
English Lang/Comp	4	49	64	58	36	211
English Lit/Comp		11	31	17	8	67
Environmental Science	9	17	17	33	21	97
European History	1	6	6	4	4	21
French Lang/Culture		2	6	3	1	12
*Human Geography					1	1
**Italian Lang/Culture					1	1
**Japanese Lang/Culture					1	1
Latin	5	1				6
*Macroeconomics		1		1	1	3
*Microeconomics		3			1	4
**Music Theory					1	1
Physics 1	6	18	15	28	9	76
Physics C-Elect & Magn		5	1	4	6	16
Physics C - Mec	1			3	7	11
*Psychology	1		4		3	8
Spanish Lang/Culture		4	5	12	7	28
Statistics		5	12	17	22	56
U.S. History	3	5	17	20	12	57

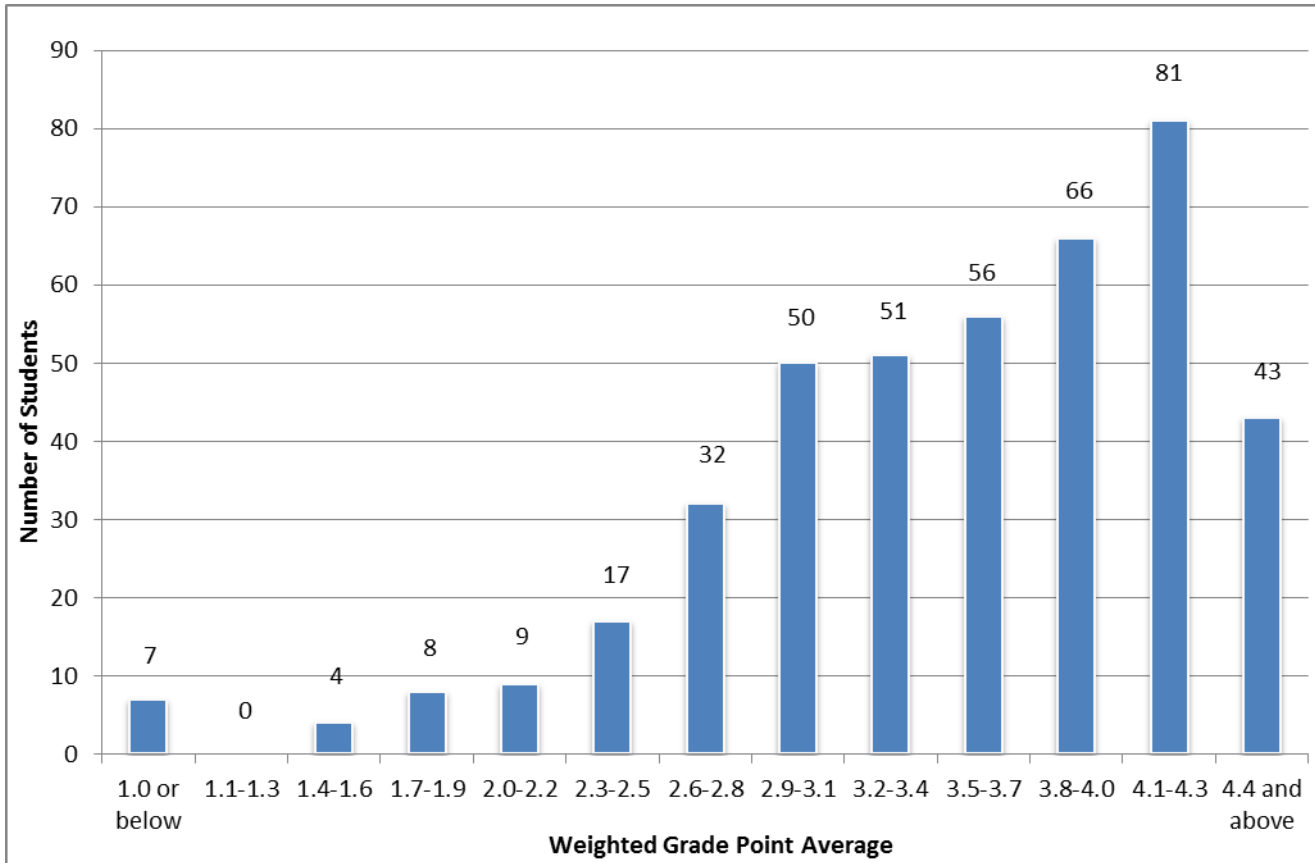
*Course offered through Virtual High School
 **Courses not offered at Andover High School

GPA DISTRIBUTION CHART

SIXTH SEMESTER - PROFILE OF THE CLASS 2020

Beginning with the Class of 2004, rank in class information will no longer appear on transcripts. The histogram below is included to provide comparative information about achievement.

424 students are included in the distribution.



Grade Point Averages

Weighted and unweighted grade point averages are indicated on the transcript and include only leveled courses. Please note that Advanced Placement Courses are not available to students until eleventh grade.

	Unweighted GPA	Weighted GPA		
		AP 7	Honors 1	College Prep 2 & 3
A	4.0	5.0	4.5	4.0
A-	3.7	4.7	4.2	3.7
B+	3.3	4.3	3.8	3.3
B	3.0	4.0	3.5	3.0
B-	2.7	3.7	3.2	2.7
C+	2.3	3.3	2.8	2.3
C	2.0	3.0	2.5	2.0
C-	1.7	2.7	2.2	1.7
D+	1.3	2.3	1.8	1.3
D	1.0	2.0	1.5	1.0
D-	0.7	1.7	1.2	0.7
F	0.0	0.0	0.0	0.0