

Newton North High School

2021-2022 School Profile



“Learning sustains the human spirit.”

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Newtonville, Massachusetts 02460

CEEB Code = 221-555
www.newton.k12.ma.us

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Learning at Newton North During the COVID-19 Pandemic:

From March 2020 to January 2021, nearly all teaching and learning at Newton North took place remotely. The spring of 2020 consisted largely of asynchronous instruction, however, the 2020-2021 school year consisted of synchronous, online class meetings. A small number of high-needs students were offered in-person education beginning in September 2020. In January of 2021 Newton North transitioned to “hyflex” instruction. Those students who chose to return to in-person instruction were in school and classmates joined remotely using video conferencing tools. In September 2021 Newton North returned to full-time in-person instruction. For 2018-2019 grading information, see page 2.

Grading Information:

During the 2020-2021 school year, Newton North reported grades on a modified grading scale using the designations: A (Advanced), B (Proficient), P (Emerging), NG (Beginning). Credit was awarded for grades of A, B, and P. No credit was awarded for final grades on NG. Descriptions below:

2020-2021 Grading Scale:

- **A: (Advanced)** Student engages fully with the material and with the classroom community, uses feedback to improve performance, reflects on growth, and is able to independently and consistently demonstrate knowledge and mastery of skills.
- **B: (Proficient)** Student engages significantly with the material and with the classroom community, uses feedback to improve performance, reflects on growth, and is able to independently demonstrate knowledge and mastery of skills. Student may demonstrate some inconsistency in different skill or content areas.
- **P: (Emerging)** Student demonstrates proficiency in learning with teacher and or peer guidance and feedback. Student needs to show more consistency and independence in foundational knowledge and skill use. Student may also engage partially with the material and the class community, sometimes using feedback to improve performance and reflect on growth.
- **NG: (Beginning)** Student shows limited to no engagement with the material and class community. There is not enough work to elicit meaningful feedback from the teacher, providing little to no opportunity for growth, and there is minimal evidence of development of targeted skills.

In 2021-2022 Newton North is returning to a traditional A-F system including the use of plusses and minuses.

Explanation of GPA:

- Newton North calculates Grade Point Average (GPA) based upon courses completed in the Newton Public Schools in grades 10-12. Grades earned in ninth grade or outside of the Newton Public Schools are not included in GPA calculation. In the 2020-2021 school year, Newton North eliminated the calculation of a weighted GPA.
- To accommodate multiple grading scales, Newton North is not reporting a cumulative GPA.
- For students in the class of 2022, transcripts report both a weighted and an unweighted GPA representing grades earned at Newton North in the tenth grade along with an unweighted GPA representing grades earned at Newton North in the eleventh grade. After the first semester of twelfth grade, mid-year transcripts will include an unweighted GPA based upon grades earned during the first two quarters of twelfth grade.

School Facts

Total enrollment: 2,064
Class of 2022 enrollment: 535
Total faculty: 234
Student : Faculty ratio: 11.3 : 1
Average class size: 15.5
Teaching faculty with advanced degrees: 98%

Student Demographic Profile

African American or Black: 6.4%
Native American: 0.1%
Asian: 14.7%
Hispanic or Latino: 9.6%
Multi-race, Non-Hispanic: 7.0%
White: 62.2%
Economically Disadvantaged: 11.7%

Graduating Class of 2021

Enrollment: 508 students
Total to post-secondary education: 91.8%
Attending four-year colleges: 86.8%
Attending two-year colleges: 3.5%
Gap year before entering college: 3.9%
Other, including employment and military: 8.2%

Course Distribution Requirements

A student must earn at least 100 credits to graduate (at 5 credits per full year course).

The credits must include:

English:	20
Biological Science:	5
Physical Science/Chemistry:	5
History and Social Sciences:	10
United States History:	5
Mathematics:	10
Fine, Performing & Technical Arts:	5
Physical Education:	5

The standard science course sequence is:

Grade 9:	Physics
Grade 10:	Chemistry
Grade 11:	Biology
Grade 12:	Science Elective

Course Catalog:

<https://www.newton.k12.ma.us/Page/2656>

NNHS Seals of Recognition

Seal of Biliteracy

The State Seal of Biliteracy is an award provided by state approved districts that recognizes high school graduates who attain high functional and academic levels of proficiency in English and a world language in recognition of having studied and attained proficiency in two or more languages by high school graduation.

Seal of Civic Action

The Seal of Civic Action is designed to reflect student' passion and dedication to civic life and service, as well as their willingness and ability to reflect on what they've learned during their civic work. Students will demonstrate their commitment to civic life and civic work, as well as provide a reflection that speaks to what they have learned

Seal of Social Justice

The Seal of Social Justice is designed to reflect students' passion and dedication to social justice, as well as their willingness and ability to reflect on what they've learned during their social justice work. Students will demonstrate their commitment to social justice work, as well as provide a reflection that speaks to what they have learned.

Explanation of Course Levels

Students may take courses in all three curriculum levels during the same year. Considerable work outside of class is required at each level. In all levels, students develop appropriate skills to work effectively in the subject area.

While world language is not required, most students complete two years or more of one of the following languages: Spanish, Chinese, French, Italian, and Latin.

Please note: Some elective courses do not carry a level.

Advanced Placement / Honors (AP / H)

- These courses contain challenging material taught at an accelerated pace.
- Advanced placement courses are taught in the following areas: American history, art history, Italian, biology, calculus AB & BC, chemistry, Chinese, comparative government, English, European history, French, Latin, physics, psychology, Spanish, and statistics.
- **Due to the rigor of AP and honors courses, we strongly recommend that students take no more than three courses at this level in one year. Most AP courses are only open to seniors.**
- There are 17 AP and 87 honors courses offered.

Advanced College Prep (ACP)

- These courses are challenging college preparatory courses.
- They require that students have high interest, strong academic skills, and the capacity to do independent work.

College Prep (CP)

- These courses generally cover the same topics as advanced college prep courses and prepare students for college.
- Smaller classes, a more structured environment and in some cases, team teaching allows for more individual attention.

2018-2019 GPA Grading Scale

Table of Weights

Grade	Curriculum Level		
	CP	ACP	H
A	4.0	4.5	5.0
A-	3.7	4.2	4.7
B+	3.3	3.8	4.3
B	3.0	3.5	4.0
B-	2.7	3.2	3.7
C+	2.3	2.8	3.3
C	2.0	2.5	3.0
C-	1.7	2.2	2.7
D+	1.3	1.8	2.3
D	1.0	1.5	2.0
D-	0.7	1.2	1.7
F	0.0	0.0	0.0
N	0.0	0.0	0.0

Computing the Weighted GPA

1. For each leveled course, multiply the weight of the final grade by the credit value.
2. Divide the total in #1 by the total credits for courses being included. The result is the weighted GPA.
3. Marks in grade 9 are not included. Only courses which have been assigned a curriculum level are used in calculating the GPA.
4. Students must have taken at least 25 credits in leveled courses at NNHS to be included in the histogram.
5. Achievement of 5.0 is possible.

Class of 2021 College Admission Test Scores

SAT Scores

Mean: Critical Reading and Writing: 652 Math: 669

Number of seniors taking SAT reasoning test: 207

Number of seniors taking SAT subject test: 121

SAT Subject Test	# Taking Test	Mean
Chemistry	25	647
Chinese with listening	4	755
Ecological Biology	1	650
French I	2	695
French with listening	2	785
Math Level I	8	711
Math Level II	32	752
Molecular Biology	33	678
Physics	5	602
Spanish I	10	688
US History	4	718
World History	15	681

ACT Scores

Number of students taking ACT: 138

Subject	Mean
English	28.2
Mathematics	27.6
Reading	28.3
Science	27.4
Composite	28.0

What Makes Newton North Unique

- Truly comprehensive high school
- Rigorous honors and advanced placement courses
- Career and Technical Education programs offer authentic learning experiences in the following career areas: automotive technology, business, carpentry, culinary arts, design and visual communications, drafting, early education and care, graphic communications, engineering technology, and TV media arts. CTE students have the opportunity to pursue cooperative education workplace learning experiences.
- Students who have asked, been recommended for, and accepted to participate in a CTE program as a major have made a commitment to invest additional time into a career area and therefore receive additional credits. These program majors are leveled the same as our core subject areas; honors and advanced college prep (ACP).
- Students in the TV media arts CTE program produce the school news and documentaries from start to finish.
- College and Career Center staffed by specialized college counselors
- Nationally-ranked science, math, robotics, and mock trial teams
- Over 80 clubs and organizations including model UN, improv and sketch comedy groups, ultimate Frisbee, and one of the first Gay/Straight Alliance groups in the country.
- Impressive theater program provides study opportunities in acting, directing, costuming and technical theatre. Produces 12-15 shows annually, including plays, musicals, a full-length Shakespeare production, and a Playwright's Festival featuring original student works.
- Vast music department teaches theory, composition, and improvisation. Ten ensembles perform 20-25 concerts annually, both locally and internationally, winning statewide and national awards.
- Highly successful athletic program includes more than 30 varsity sports teams. Newton North recently added two teams as part of a unified basketball and track league that gives students with and without intellectual disabilities the opportunity to train and compete for their respective schools. Recent D1A championships include: 2016 boys outdoor track and field and 2017 girls volleyball.
- National award-winning online newspaper and literary magazine
- Numerous travel, exchange, and service programs to destinations including China, France, Spain, Prague, Central America, and New Orleans.
- Demonstrated success at narrowing the achievement gap
- Special mentoring program for our scholars of color (Dover Legacy Scholars) and first generation families (Transitioning Together)
- Strong commitment to English language learner and special education programs
- Open campus policy for students in grades 10-12

City of Newton

Newton, a suburb of Boston, is a small city with a population of approximately 88,000. Its population is heterogeneous with a large proportion of academic, business, and professional families. The citizens of Newton strongly support its public schools. Newton's excellent educational system attracts families from all over the world. Our students come from many other states and more than 70 foreign countries and speak more than 30 languages. Our diverse city is further enhanced by the METCO program, which brings students of color from Boston, and the CAPS program, which is a regional program for deaf and hard of hearing students.

Spring 2021 Advanced Placement Tests

414 students sat for 747 exams in 27 subjects.

84% of exam scores were 3 or better.

AP Test	# Taking Test	% with 3+
Art History	3	100
Biology	30	90
Calculus AB	24	38
Calculus BC	63	81
Chemistry	87	83
Chinese Lang & Culture	16	100
Comparative Gov't & Politics	9	78
Computer Science A	6	83
Computer Science Principles	27	100
English Lang & Comp	96	95
English Lit & Comp	12	67
European History	9	89
Environmental Science	2	50
French Lang & Culture	10	100
Human Geography	1	100
Italian Lang & Culture	11	100
Japanese	6	100
Macroeconomics	1	100
Microeconomics	4	100
Music Theory	1	100
Physics	30	87
Psychology	74	78
Spanish Language & Cult.	15	100
Statistics	100	79
US Government Politics	2	100
US History	102	85
Latin	5	80

Career and Technical Education Programs 5-Year Positive Placement Data 2016-2020

Program	2016	2017	2018	2019	2020
Automotive	100%	100%	100%	100%	100%
Carpentry	100%	100%	100%	100%	100%
Culinary Arts	100%	100%	100%	100%	100%
Drafting	100%	100%	100%	100%	100%
Early Education & Care	100%	100%	100%	100%	100%
Graphic Communications	100%	100%	100%	100%	100%
Design & Visual Communications	100%	100%	100%	100%	100%
TV Media Arts	100%	100%	100%	100%	100%

Positive Placement data includes the number of students in postsecondary education, military service, and/or employed.

Newton Public Schools Annual SIMS Data reported to the DESE by November 30th each school year.

Class of 2021 National Merit Scholarships

Scholarships: 4 Semi-Finalists: 5

Letters of Commendation: 33

College matriculations of two or more Newton North High School students for the three most recent graduating classes (2019, 2020, 2021)

American University	Husson University	Stony Brook University
Amherst College	Indiana University at Bloomington	Suffolk University
Babson College	Ithaca College	Syracuse University
Barnard College	Johns Hopkins University	Temple University
Bates College	Johnson & Wales University (Providence)	The New School - All Divisions
Bay Path University	Lasell University	The University of Alabama
Becker College	Lehigh University	The University of Arizona
Bentley University	Lesley University	The University of North Carolina at Chapel Hill
Berklee College of Music	Liberty College	The University of Tampa
Boston College	Macalester College	The University of Texas, Austin
Boston University	Massachusetts Bay Community College	Tufts University
Brandeis University	Massachusetts College of Art and Design	Tulane University
Bridgewater State University	Massachusetts College of Pharmacy & Health Sciences (MCPHS)	Union College (New York)
Brown University	Massachusetts Institute of Technology	United States Coast Guard Academy
Bryant University	Massachusetts Maritime Academy	University College Dublin
Bryn Mawr College	Massasoit Community College	University of British Columbia
Bunker Hill Community College	McGill University	University of California, Los Angeles
Carleton College	Merrimack College	University of California, San Diego
Carnegie Mellon University	Middlebury College	University of California, Santa Barbara
Case Western Reserve University	Middlesex Community College	University of California, Santa Cruz
Champlain College	Mount Holyoke College	University of Chicago
Clark University	Muhlenberg College	University of Colorado at Boulder
Colby College	New York University	University of Connecticut
Colgate University	Nichols College	University of Delaware
College of Charleston	North Carolina State University	University of Denver
College of the Holy Cross	Northeastern University	University of Florida
College of William and Mary	Northwestern University	University of Hartford
Colorado College	Oberlin College of Arts and Sciences	University of Illinois at Urbana-Champaign
Columbia University	Occidental College	University of Maine
Concordia University - Montreal	Ohio State University - Main Campus	University of Maryland, College Park
Connecticut College	Pace University, New York City	University of Massachusetts, Amherst
Cornell University	Pitzer College	University of Massachusetts, Boston
Curry College	Pomona College	University of Massachusetts, Dartmouth
Dartmouth College	Pratt Institute - Main Campus	University of Massachusetts, Lowell
Dennison University	Princeton University	University of Miami
DePaul University	Providence College	University of Michigan - Ann Arbor
Dickinson College	Purdue University	University of New Hampshire- Main Campus
Drexel University	Quinnipiac University	University of New Haven
Duke University	Reed College	University of Pittsburgh - Pittsburgh Campus
Elon University	Regis College	University of Rhode Island
Emerson College	Rensselaer Polytechnic Institute	University of Rochester
Emmanuel College	Rhode Island School of Design	University of Southern California
Emory University	Rice University	University of Toronto
Endicott College	Rochester Institute of Technology	University of Vermont
Fairfield University	Roger Williams University	University of Virginia - Main Campus
Fisher College	Roxbury Community College	University of Wisconsin, Madison
Fitchburg State University	Sacred Heart University	Vassar College
Framingham State University	Salem State University	Virginia Polytechnic Institute and State University
George Washington University	Sarah Lawrence College	Wake Forest University
Georgetown University	Savannah College of Art and Design	Washington University in St. Louis
Georgia Institute of Technology	Scripps College	Wellesley College
Grinnell College	Simmons University	Wentworth Institute of Technology
Hamilton College - NY	Skidmore College	Wesleyan University
Hampton University	Smith College	Western New England University
Harvard University	Springfield College	Wheaton College MA
High Point University	St. John's University	Worcester Polytechnic Institute
Hofstra University	Stonehill College	
Howard University		