

Newton North High School

2022-2023 School Profile

“Learning sustains the human spirit.”



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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.

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 returned to a traditional A-F system including the use of plusses and minuses indefinitely.

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.
- Starting with the 20-21 school year, NNHS will calculate an unweighted GPA for each year that a student is at NNHS. The classes of 2021, 2022 and 2023 will be part of a transition plan for the GPA. (Details posted on the NNHS website) Ultimately, when a student graduates from NNHS, their transcript will include an unweighted GPA for each year the student is at North. GPAs will be shared/published starting in January of grade 11. The grade 11 midyear transcript will include the grade 9 GPA, the grade 10 GPA, and the grade 11 midyear GPA. GPAs are updated and re-posted in January of grade 11, at the end of grade 11, in January of grade 12 and at the end of grade 12.

School Facts

Total enrollment: 2,076
Class of 2023 enrollment: 510
Total faculty: 241
Student : Faculty ratio: 10.9 : 1
Average class size: 15.5
Teaching faculty with advanced degrees: 98%

Student Demographic Profile

African American or Black: 5.0%
Native American: 0.1%
Asian: 15.0%
Hispanic or Latino: 11.8%
Multi-race, Non-Hispanic: 7.1%
White: 61.1%
Economically Disadvantaged: 15.9%

Graduating Class of 2022

Enrollment: 526 students
Total to post-secondary education: 92.9%
Attending four-year colleges: 84.2%
Attending two-year colleges: 4.4%
Gap year before entering college: 3.9%
Other, including employment and military: 7.1%

Course Distribution Requirements

In order to graduate from Newton North High School a student must earn 243 credits and meet the requirements listed below.

The credits must include:

English:	48
Life Science:	12
Physical Science/Chemistry:	12
History and Social Sciences:	24
United States History:	12
Mathematics:	24
Fine, Performing & Technical Arts:	12
Physical Education/Health & Wellness:	15
Electives/Other Course Offerings:	84

The standard science course sequence is:

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

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

Newton North has a commitment to opportunity, access, and excellence for all students. The scope and sequence of courses in each department has been designed to support these overarching goals. Courses include an articulation of content and skills that can be developed and learned within a developmentally appropriate community of learners at each grade level. The curriculum is designed to support the continuous academic, social and skill development growth for all students. A core value at North is that all students are appropriately challenged and supported both in terms of the work in individual classes and more broadly across a student's schedule. As students consider their course load, we support them in finding an appropriate level of stretch and balance within their classes. Teachers consider this placement philosophy when making course level recommendations.

Multilevel Course Offerings

A multilevel course is a single classroom with the same teacher(s) containing students who are individually registered for different levels (College Prep, Advanced College Prep, Honors).

While there are some classes that have run as multilevel courses for many years and are well known to students, Newton North may make the decision to run other multilevel courses after registration occurs in order to meet our student requests and address equity concerns.

We believe in the power of multilevel courses which:

- Provide a rich experience for students within a diverse learning community.
- Increase access and equity for all students by dismantling structures where implicit bias results in a sorting of students by race, gender, ability and/or socioeconomic status based on the subject area and level.
- Provide students with access to support and opportunity for challenge in the same learning community.
- Allow Newton North to offer classes that may not have enough enrollment to run as single-level classes.
- Students should sign up for courses and levels that meet their need for support and challenge. If a student has specific concerns about multilevel courses, they may speak to the appropriate department chair.
- 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.

A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0

Credit System

Credits Awarded		
For 3 Time/Week Courses	2021-2022 and Prior	2022-2023 and Beyond
Full Year Courses	5.0 Credits	12.0 Credits
Semester Courses	2.5 Credits	6.0 Credits
Non-PEHW Quarter Courses	1.25 Credits	3.0 Credits
PEHW Quarter Courses	1.0 Credits	3.0 Credits

A course may be granted academic credit if it includes faculty supervision and accountability such as attendance and grading, and meets during the school day or has some form of training or instruction/curriculum. For the 2022-2023 school year, Newton Public Schools is changing the base credit awarded for courses.

All courses listed in the NNHS Course Catalog reflect the new credit system. Courses that meet fewer than 3 blocks per week will be awarded credit according to seat time based on the fact that 1 block per week for 1 quarter earns 1.0 credits.

Our credit system is changing to allow PEHW courses to earn equal credit to those earned in non-PEHW courses. It is also changing to reflect an accounting system that pairs better with our new bell schedule in which most courses meet three times per week and can be broken up into quarters.

After September 1, 2022, any student transcript containing any course taken under the new 12.0 credit system will be modified to reflect the new credit system. For student transcripts in which all courses were taken under the 5.0 credit system, credits will not be modified.

Class of 2022 College Admission Test Scores

SAT Scores

Mean: Critical Reading and Writing: 641 Math: 649
Number of seniors taking SAT reasoning test: 320

ACT Scores

Number of students taking ACT: 224

Subject	Mean
English	28.1
Mathematics	27.5
Reading	28.6
Science	27.7
Composite	27.8

Spring 2022 Advanced Placement Tests

575 students sat for 1,183 exams in 23 subjects.
80% of exam scores were 3 or better.

AP Test	# Taking Test	% with 3+
Art History	10	90
Biology	78	96
Calculus AB	77	30
Calculus BC	102	62
Chemistry	75	81
Chinese Lang & Culture	18	94
Comparative Gov't & Politics	36	94
Computer Science A	2	100
Computer Science Principles	31	90
English Lang & Comp	110	95
English Lit & Comp	44	98
European History	16	75
French Lang & Culture	8	100
German Lang & Culture	1	100
Italian Lang & Culture	12	100
Japanese Lang & Culture	1	100
Latin	1	100
Microeconomics	4	50
Music Theory	8	75
Physics	72	85
Psychology	157	78
Spanish Language & Cult.	41	100
Statistics	164	82
US History	102	78

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.

Class of 2022 National Merit Scholarships

Scholarships: 6
Semi-Finalists: 16
Letters of Commendation: 45

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.
- The Newton North Athletic Program has achieved sustained success over the years. Our program currently has 38 sports with Boys and Girls Ultimate Frisbee and Unified Basketball and track as recent additions. Unified sports provide an opportunity for students with intellectual disabilities to compete against other MA schools who provide the same opportunity. Last year Newton North was recognized by MaxPreps; a national publication as one of the top 40 athletic programs in the country and #1 in MA. The Tigers have recent State Championships in Boys and Girls Indoor and Outdoor Track and Dance, and Finals appearances in Boys Basketball, Girls Volleyball, and Boys Soccer.
- 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

Career and Technical Education Programs 5-Year Positive Placement Data 2017-2021

Program	2017	2018	2019	2020	2021
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.

College matriculations of two or more Newton North High School students for the three most recent graduating classes (2020, 2021, 2022)

American University	Indiana University-Bloomington	SUNY College of Environmental Science & Forestry
Amherst College	Ithaca College	Swarthmore College
Babson College	Johns Hopkins University	Syracuse University
Bard College	Johnson & Wales University (Providence)	Temple University
Barnard College	Kenyon College	The New School - All Divisions
Bates College	Lafayette College	Trinity College
Bennington College	Lasell University	Tufts University
Bentley University	Lehigh University	Tulane University
Boston College	Lesley University	University College Dublin
Boston University	Macalester College	University of British Columbia
Bowdoin College	Massachusetts Bay Community College	University of California, Berkeley
Brandeis University	Massachusetts College of Art and Design	University of California, Davis
Bridgewater State University	Massachusetts Institute of Technology	University of California, Los Angeles
Bridgton University	Massachusetts College of Pharmacy & Health Sciences (MCPHS)	University of California, San Diego
Brown University	Massachusetts Maritime Academy	University of California, Santa Barbara
Bryant University	Massasoit Community College	University of California, Santa Cruz
Bryn Mawr College	McGill University	University of Chicago
Bunker Hill Community College	Merrimack College	University of Colorado at Boulder
California Polytechnic State University-San Luis Obispo	Michigan State University	University of Connecticut
Carleton College	Middlebury College	University of Denver
Carnegie Mellon University	Middlesex Community College	University of Florida
Case Western Reserve University	Mount Holyoke College	University of Hartford
Champlain College	Muhlenberg College	University of Illinois at Urbana-Champaign
Clark University	New York University	University of Maine
Clemson University	Nichols College	University of Maryland, College Park
Coastal Carolina University	Northeastern University	University of Massachusetts, Amherst
Colby College	Northwestern University	University of Massachusetts, Boston
Colgate University	Oberlin College	University of Massachusetts, Dartmouth
College of Charleston	Occidental College	University of Massachusetts, Lowell
College of the Holy Cross	Ohio State University	University of Miami
Colorado College	Pace University, New York City	University of Michigan
Columbia University	Pomona College	University of New England
Concordia University - Montreal	Pratt Institute	University of New Hampshire at Durham
Connecticut College	Princeton University	University of New Haven
Cornell University	Providence College	University of Oregon
Curry College	Purdue University	University of Pennsylvania
Dartmouth College	Quinnipiac University	University of Pittsburgh
Denison University	Reed College	University of Rhode Island
Drexel University	Regis College	University of Rochester
Duke University	Rensselaer Polytechnic Institute	University of Southern California
Eckerd College	Rhode Island School of Design	University of Tampa
Elon University	Rice University	University of Toronto
Emerson College	Rochester Institute of Technology	University of Vermont
Emory University	Rollins College	University of Virginia
Endicott College	Roxbury Community College	University of Wisconsin
Fairfield University	Sacred Heart University	Vassar College
Fitchburg State University	Salem State University	Villanova University
Fordham University	San Diego State University	Virginia Tech
Framingham State University	Sarah Lawrence College	Washington University in St. Louis
George Washington University	Savannah College of Art and Design	Wellesley College
Georgetown University	School of the Art Institute of Chicago	Wentworth Institute of Technology
Georgia Institute of Technology	Scripps College	Wesleyan University
Hamilton College - NY	Simmons University	Western New England University
Harvard University	Skidmore College	Wheaton College MA
High Point University	Smith College	William & Mary
Howard University	Springfield College	Worcester Polytechnic Institute
Husson University	Suffolk University	Yale University