



# NEWTON SOUTH HIGH SCHOOL

## 2018/2019 SCHOOL PROFILE

140 Brandeis Road  
Newton Centre, MA 02459  
www.nshs.newton.k12.ma.us  
CEEB: 221548

Main: 617-559-6500  
Fax: 617-559-6701

**Superintendent** David Fleishman

**Principal** Joel Stemberge

**Vice Principal** Candice Beermann

**Director of Guidance**

**Daniel Rubin** 617-559-6537  
daniel\_rubin@newton.k12.ma.us

**College & Career Counselor**

**Kathleen Sabet** 617-559-6590  
kathleen\_sabet@newton.k12.ma.us

### School Counselors

**Amani Allen** 617-559-6543  
amani\_allen@newton.k12.ma.us

**Sue Batler** 617-559-6536  
sue\_batler@newton.k12.ma.us

**Shelly Borg** 617-559-6702  
shelly\_borg@newton.k12.ma.us

**Hae-Kyung Choi** 617-559-6545  
haekyung\_choi@newton.k12.ma.us

**Chris Hardiman** 617-559-6541  
christopher\_hardiman@newton.k12.ma.us

**David Kershaw** 617-559-6535  
david\_kershaw@newton.k12.ma.us

**Aaron Lewis** 617-559-6538  
aaron\_lewis@newton.k12.ma.us

**James Medeiros** 617-559-6540  
james\_medeiros@newton.k12.ma.us

**Donna Segal** 617-559-6539  
donna\_segal@newton.k12.ma.us

**Sarah Style** 617-559-6542  
sarah\_style@newton.k12.ma.us

**Katani Sumner** 617-559-6569  
katani\_sumner@newton.k12.ma.us  
METCO Counselor

**Kara Veley** 617-559-6703  
kara\_veley@newton.k12.ma.us

### SCHOOL AND COMMUNITY

Newton is a small city of 85,000 located 4 miles west of Boston. Our excellent public educational system is strongly supported by its residents and attracts families from all over the world. Our community is comprised of primarily academic, executive and professional families. Since its inception in 1966, Newton Public Schools have embraced students from Boston through the METCO program. This program provides expanded academic opportunities to students enhancing racial, ethnic, and cultural diversity for all.

### CLASS OF 2018 FUTURE PLANS:

- Total Post-Secondary Education: 93%
- 86% 4 year college
- 5% 2 year college
- 2% Specialized & Post-Grad Education
- 5% Gap year
- 2% Employment/military/vocational training

### STUDENT DEMOGRAPHICS:

- Black- African American 5.2%
- American Indian/Alaska Native .1%
- Asian 19.9%
- Hispanic or Latino 6%
- Multi-Race/Non-Hispanic 4.4%
- White 64.3%

### UNIQUE CURRICULUM OFFERINGS

Newton South High School with a total enrollment of 1850 and a senior class of 448 has one of the most comprehensive academic programs in the state of Massachusetts. With a faculty second to none, students immerse themselves in courses that feed the mind and fill the heart through creativity, problem solving and reflection opportunities.

**THE DA VINCI PROGRAM** - A project-based, collaborative approach to learning science, technology, engineering, arts and math (STEAM). Students build skills in experimentation, analytical problem solving, presentation, communication and artistic representation. Courses are offered at honors, advanced college preparatory and college preparatory levels.

**CAREER & VOCATIONAL TECHNICAL EDUCATION** - This program offers students the chance to prepare for 21st-century careers through a comprehensive sequencing of technical and academic courses. Individualized student career plans are designed to assist in making informed choices for now and the future. Certifications are available in Automotive Technology, Carpentry/Construction Technology, Culinary Arts, Design & Visual Communication, Drafting, Early Education & Care, Graphic Communications, Greengineering, Introduction to Technical Theater, and TV/Video Production.

**LEGACY SCHOLARS** - A faculty nominated peer community for African-American, Latino, and Multi-racial students. Legacy Scholars work together with faculty mentors to build a culture of academic achievement and empowerment. Our first class of Scholars graduated in 2017.

**WISE** - Engaging senior students in a different form of learning experience outside the classroom in preparation for a transition to college or work is the goal of this program. Qualified seniors spend their final term of high school working on a substantial, self-designed academic project/internship, which benefits both the Newton South and local communities.

**GLOBAL COMMUNITIES PROGRAM** - A 3 year, interdisciplinary program that brings a diverse range of students together with the goal of developing thoughtful and committed global citizens. Beginning in grade 10, students are required to integrate knowledge in history, English and science through projects, essays and performance-based assessments. In the final year of the program, seniors must apply their learning through a local experiential project or an international trip that leads to a Global Competency Certificate.

# ACADEMIC & STANDARDIZED TEST PERFORMANCE

CLASS OF 2018

2018 AP PERFORMANCE

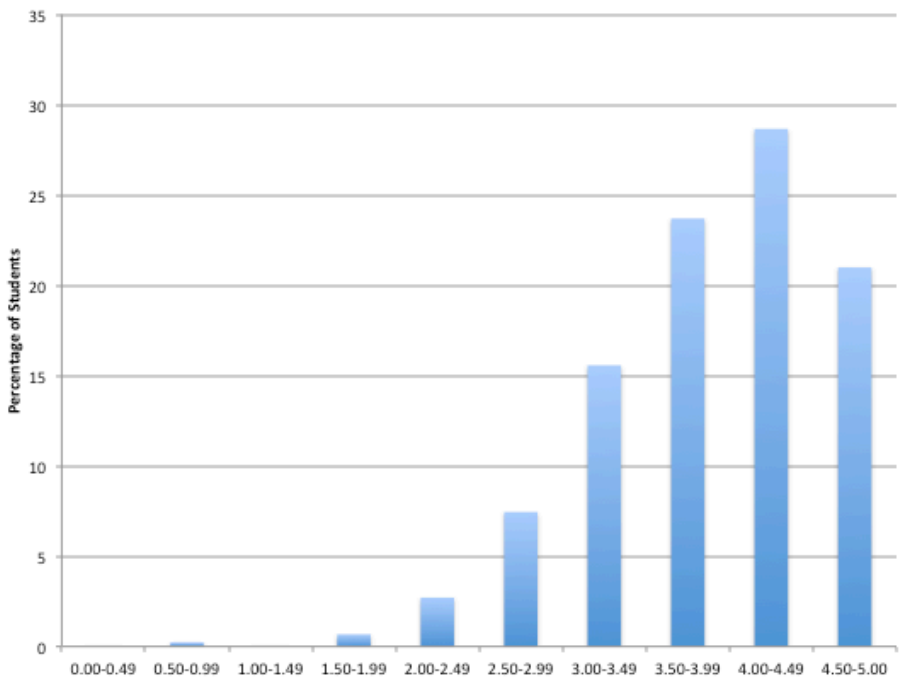
## NATIONAL MERIT & ACHIEVEMENT PROGRAMS

- Finalists: 10
- Semi-Finalists: 12
- Commended Students: 50
- National Hispanic Program: 5

In May 2018, 506 students in grades 10-12 took 1074 AP exams in 27 subjects. 93% earned scores of 3 or better.

- National AP Scholars: 13
- AP Scholars with Distinction: 82
- AP Scholars with Honors: 71
- AP Scholars: 70

**Class of 2019 Cumulative Weighted GPA**



GPA Computation:

9th grade, pass/fail, summer school, unlevleed and courses taken outside Newton Public Schools are not included.

\* Based on final grades after 4 semesters, 6/2018, and a class size of 448.

## DIPLOMA REQUIREMENTS

A minimum of 100 credits is required for graduation. Students planning to continue formal education after high school are strongly advised to complete at least 2 years of a world language. Our grading system is alphabetical. D- is a passing grade.

English (20 Credits), Mathematics (10 Credits) History/Social Science - including United States History (15 credits), Science - 5 in biological science and 5 in physical science (10 Credits), Visual/Performing Arts (5 Credits), Wellness/Physical Ed (5 Credits).

## CLASS OF 2018 - AVERAGE STANDARDIZED TESTING SCORES

Average SAT Scores (341 Students Tested)

Average ACT Scores (200 Students Tested)

EBRW	Math
654	671

Eng.	Math	Reading	Science	Comp.
29.3	28.5	29	27.5	28.7

# NEWTON SOUTH HIGH SCHOOL HONORS & AP COURSE OFFERINGS

2018-2019

## ART

- Honors Art
- Honors Ceramics
- Honors Photography
- Honors 3-D
- AP Studio Art: Drawing
- Media Studio Honors
- AP 3-D Design

## COMPUTER PROGRAMMING

- Advanced Programming with Swift
- Introduction to iOS Programming with Swift
- Introduction to Programming and Computer Science

## ENGLISH

- Honors English 10-12
- Global Communities English:
  - Co-Existence and Conflict, 10
  - American Literature, 11
  - Words that Change the World, 12
- Shakespeare
- African-American Literature
- Women in Literature
- Film Studies
- Public Speaking and Presentation
- AP English Literature and Composition
- AP English Language and Composition

## HISTORY/SOCIAL SCIENCE

- World History, 1775 to Present
- Global Communities History:
  - World History
  - United States History
- Understanding the Contemporary World: 1945 to Present
- Race, Class and Gender
- Ethics in the Modern World
- Sustainability
- AP United States History
- AP European History
- AP U.S. Government and Politics
- AP Comparative Government
- AP Psychology

## MATHEMATICS

- Math 1-4 Honors
- daVinci Math 2, 3
- Pre-calculus Honors

- AP Calculus AB
- AP Calculus BC
- AP Statistics

## MUSIC

- Symphonic Band
- Honors String Ensemble
- Select Wind Ensemble
- Honors Jazz Combo
- Honors Jazz Ensemble
- Newton South Chorale
- Madrigals 11, 12
- AP Music Theory I
- AP Music Theory II
- String Orchestra

## SCIENCE

- Engineering III
- daVinci Science I, Chemistry
- daVinci Science II, Biology
- daVinci III STEAM Capstone Project
- Honors Biology
- Honors Chemistry
- Honors Chemistry II (11,12)
- Conservation and Environmental Science
- Global Biology
- Global Marine Biology
- Neurobiology (12)
- AP Biology (12)
- AP Chemistry
- AP Physics C Mechanics
- AP Physics C (Mechanics, Electricity & Magnetism)

## THEATRE

- Actor's Workshop
- Acting and Directing
- Acting for the Screen and Stage

## WORLD LANGUAGE

- Chinese 3-5
- French 3,4
- Latin 3-5
- Prototype AP Russian Language and Culture
- Spanish 3, 4
- AP Chinese Language and Culture
- AP French Language
- AP Spanish Language

## CURRICULUM NOTES

- Mathematics 1 Honors is the only honors level course offered as part of a typical freshmen's curriculum
- Courses in grades 10-12 are offered at Honors, Advanced College Preparatory, and College Preparatory

# COLLEGE ENROLLMENTS: NEWTON SOUTH GRADUATES

## 2015-2018

### NEW ENGLAND - 102

American International College  
 Amherst College  
 Babson College  
 Bates College  
 Bay State College  
 Becker College  
 Benjamin Franklin Institute of Technology  
 Bennington College  
 Bentley University  
 Berklee College of Music  
 Boston Architectural College  
 Boston College  
 Boston Conservatory  
 Boston University  
 Bowdoin College  
 Brandeis University  
 Bridgewater State University  
 Brown University  
 Bryant University  
 Bunker Hill Community College  
 Cape Cod Community College  
 Central Maine Community College  
 Champlain College  
 Clark University  
 Colby College  
 Connecticut College  
 University of Connecticut  
 Curry College  
 Dartmouth College  
 Dean College  
 Eastern Connecticut State University  
 Emerson College  
 Emmanuel College  
 Endicott College  
 Fairfield University  
 Fisher College  
 Fitchburg State University  
 Framingham State University  
 Franklin Pierce University  
 Franklin W. Olin College of Engineering  
 Gordon College  
 Green Mountain College  
 Hampshire College  
 University of Hartford  
 Harvard University  
 College of the Holy Cross  
 Johnson & Wales University  
 Keene State College  
 Landmark College  
 Lasell College  
 Lesley University  
 University of Maine  
 Maine College of Art  
 Mass Bay Community College  
 Massachusetts College of Art and Design  
 Massachusetts College of Liberal Arts  
 Massachusetts College of Pharmacy and Health Science  
 Massachusetts Institute of Technology  
 Massachusetts Maritime Academy  
 University of Massachusetts  
 -Amherst  
 -Boston  
 -Dartmouth  
 -Lowell  
 Merrimack College  
 Middlebury College  
 Middlesex Community College

Mount Holyoke College  
 University of New England  
 University of New Hampshire  
 University of New Haven  
 Newbury College  
 Nichols College  
 Northeastern University  
 Northern Vermont University  
 Norwich University  
 Plymouth State University  
 Quinnipiac University  
 Quinsigamond Community College  
 Regis College  
 Rhode Island School of Design  
 University of Rhode Island  
 Rivier University  
 Roger Williams University  
 Saint Michael's College  
 Salem State University  
 Simmons College  
 Smith College  
 Springfield College  
 Stonehill College  
 Suffolk University  
 Trinity College  
 Tufts University  
 University of Vermont  
 Wellesley College  
 Wentworth Institute of Technology  
 Wesleyan University  
 Western New England University  
 Westfield State University  
 Wheaton College  
 Williams College  
 Worcester Polytechnic Institute  
 Yale University  
 York County Community College

### NEW YORK - 36

Alfred University  
 Bard College  
 Barnard College  
 Binghamton University  
 Clarkson University  
 Colgate University  
 Columbia University  
 Cornell University  
 The Culinary Institute of America  
 Eastman School of Music/  
 University of Rochester  
 Fordham University  
 Hamilton College  
 Hobart and William Smith Colleges  
 Hofstra University  
 Ithaca College  
 The Julliard School  
 Marist College  
 Marymount Manhattan College  
 Nazareth College  
 New York University  
 Pace University  
 Pratt Institute  
 Purchase College. SUNY  
 Rensselaer Polytechnic Institute  
 Rochester Institute of Technology  
 University of Rochester  
 Sarah Lawrence College  
 Skidmore College  
 St. John's University  
 St. Lawrence University  
 Stony Brook University

SUNY Albany  
 Syracuse University  
 Union College  
 Vassar College

### MID-ATLANTIC - 33

American University  
 Bryn Mawr College  
 Bucknell University  
 Carnegie Mellon University  
 University of Delaware  
 Dickinson College  
 Drexel University  
 Franklin & Marshall College  
 The George Washington University  
 Georgetown University  
 Goucher College  
 Haverford College  
 Howard University  
 Johns Hopkins University  
 Lafayette College  
 Lehigh University  
 Loyola University - Maryland  
 Maryland Institute College of Art  
 University of Maryland  
 McDaniel College  
 Muhlenberg College  
 The Pennsylvania State University  
 University of Pennsylvania  
 University of Pittsburgh  
 Princeton University  
 Rutgers University  
 Salisbury University  
 Seton Hall University  
 Seton Hill University  
 Saint Joseph's University  
 Swarthmore College  
 Temple University  
 Towson University  
 Villanova University

### MID-WEST - 36

Beloit College  
 Capital University  
 Carleton College  
 Case Western Reserve University  
 University of Chicago  
 University of Cincinnati:  
 Conservatory of Music  
 Columbia College Chicago  
 Creighton University  
 Denison University  
 DePaul University  
 Grinnell College  
 University of Illinois-Urbana/Champaign  
 Indiana University  
 Kent State University  
 Kenyon College  
 Lawrence University  
 Loyola University-Chicago  
 Macalester College  
 Miami University, Ohio  
 Michigan State University  
 University of Michigan  
 University of Minnesota, Twin Cities  
 University of Nebraska, Lincoln  
 Northwestern University  
 University of Notre Dame  
 Oberlin College  
 Oberlin Conservatory of Music  
 Ohio Wesleyan University  
 Purdue University  
 St. Catherine University  
 St. Olaf College

The Ohio State University  
 Saint Louis University  
 Washington University in St. Louis  
 University of Wisconsin-Madison  
 The College of Wooster

### SOUTH - 40

Alabama A&M University  
 University of Alabama  
 Auburn University  
 Beacon College  
 Bennett College  
 College of Charleston  
 Clark Atlanta University  
 Clemson University  
 Coastal Carolina University  
 Davidson College  
 Duke University  
 Elon University  
 Emory University  
 Florida Atlantic University  
 Furman University  
 Full Sail University  
 Georgia Institute of Technology  
 Georgia Southern University  
 Georgia State University  
 Hampton University  
 High Point University  
 Hillsborough Community College  
 Loyola University-New Orleans  
 Marion Military Institute  
 University of Miami  
 Morehouse College  
 Oxford College/Emory University  
 Rhodes College  
 University of Richmond  
 Ringling College of Art & Design  
 Savannah College of Art & Design  
 Savannah State University  
 Tulane University  
 Vanderbilt University  
 Virginia Military Institute  
 Virginia Polytechnic State University  
 University of Virginia  
 Wake Forest University  
 Washington & Lee University  
 West Virginia University  
**SOUTHWEST/WEST - 36**  
 The University of Arizona  
 University of California  
 -Berkeley  
 -Davis  
 -Los Angeles  
 -San Diego  
 -Santa Barbara  
 -Santa Cruz  
 Chapman University  
 Claremont McKenna College  
 University of Colorado, Boulder  
 Colorado College  
 Colorado School of Mines  
 Colorado State University  
 De Anza College  
 University of Denver  
 DigiPen Institute of Technology  
 Front Range Community College  
 Harvey Mudd College  
 Lewis & Clark College  
 Loyola Marymount University  
 University of New Mexico  
 Ohlone College

University of Oregon  
 Pitzer College  
 Portland State University  
 Reed College  
 University of Redlands  
 Rice University  
 University of Southern California  
 Southern Methodist University  
 St. John's College- NM  
 Texas Christian University  
 The University of Texas, Austin  
 U.S. Air Force Academy  
 Weber State University  
 Whitman College

### INTERNATIONAL - 18

Canada  
 -University of British Columbia  
 -Dalhousie University  
 -Concordia University, Montreal  
 -McGill University  
 -McMaster University  
 -University of Ottawa  
 -Queen's University  
 -University of Toronto  
 China  
 -Yale-NUS College  
 England  
 -Imperial College  
 -University of Leeds  
 Japan  
 -Keio University  
 Ireland  
 -National University of Ireland, Galway  
 -Trinity College, Dublin  
 Netherlands  
 -Leiden University College, the Hague  
 -Eindhoven University of Technology  
 Russia  
 -Moscow State Institute of International Relations  
 Scotland  
 -University of Edinburgh  
 -University of St. Andrews