CEEB Code: 221349

2026-2027 High School Profile

Advanced Math & Science Academy Charter School

U.S. News & World Report "Best High School" since 2017

2026 Rankings:

- **#16 Public High School in Massachusetts**
- **#13 Public High School in Boston Metro Area**
- **#385 Public High School in Nation**
- **#79 Public Charter High School in Nation**

Dr. Lisa C. Mobley
Executive Director

Mike Nawrocki
Principal

Amanda Cence
Vice Principal

James Fortier
Dean of Students

Jaquan James
Director of Athletics

Lindsay Currallo
Director of School Counseling

Wylie Culhane
School Counselor

Sara Pantano
School Counselor

Katelyn Joness
School Counselor

AMSA MISSION

This statement from AMSA's Charter remains the foundation of all that we do:

The Advanced Math & Science Academy will create an atmosphere of celebration of knowledge where children of all backgrounds and abilities excel in all subjects, especially in math, science and technology, empowering them to succeed in the workplace in our modern high-tech world.

AMSA CORE VALUES

Building upon our Mission, we undertook a lengthy process of self reflection involving all stakeholders in the AMSA community. What emerged became AMSA's Core Values. Collectively, we take pride in these values, and we promote them within and outside of our school. Individually, we hold ourselves responsible for embodying and reflecting these values each and every day.

MODEL INTEGRITY - Model integrity by being truthful in our work and caring in our relationships with people.

PURSUE YOUR EXCELLENCE - Pursue excellence by embracing the joy of learning, by being curious, by working hard, by persevering in the face of obstacles, by embracing creativity and innovation, and by constantly striving to improve. At AMSA, we reach for the stars!

FOSTER COMMUNITY - Foster community by being good citizens -- by helping others, by appreciating and celebrating diversity, and by collaborating kindly and supportively.

COMMUNITY & ENROLLMENT FOR 2026-2027

The Advanced Math&Science Academy (AMSA) opened its doors in 2005 and is located about 35 miles west of Boston. AMSA is a seven year, comprehensive public charter school, educating students in grades 6-12.

Admittance to AMSA is based on a space-availability lottery. There are no entrance exams. While preference in admission is given to families from AMSA's core towns of Clinton, Hudson, Marlborough, and Maynard, students travel to AMSA from 30 different communities.

CLASS SIZES: Grade 9 = **140** Grade 10 = **137** Grade 11 = **132** Grade 12 = **140**

NATIONAL HONOR SOCIETY

The Advanced Mathand Science Academy Charter School Chapter of the National Honor Society (NHS) selects members based on scholarship, service, leadership, and character. Eligible candidates must be juniors or seniors with a minimum unweighted GPA of 3.70. The selection process involves a review of academic records, completion of a Candidate's Form, and faculty evaluations. Final selections are made by a Faculty Council through a majority vote. Inducted members are expected to maintain high standards and actively participate in service projects.

"I can't say enough about the galactic difference between AMSA and other schools our children have attended. The community of teachers and administrators at AMSA has been exceptional, and the quality of students is second to none."

Parents of Graduate, 7th Grader, and 12th Grader

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GRADING SYSTEM / CLASS RANK / GPA CALCULATION

GPA is cumulative and weighted GPA on a 5.0 scale. GPA is calculated annually, beginning at the end of 9th grade. A GPA factor of 0.5 is added for Honors. A GPA factor of 1.0 is added for Advanced/ Advanced Placement / Post AP courses. AMSA does not rank.

Alpha	*Numeric*	*AP / Post AP*	*Honors / Advanced*	*CP*
A+	96.5 & above	5.30	4.80	4.30
A	92.5 – 96.0	5.00	4.50	4.00
A-	89.5 – 92.0	4.70	4.20	3.70
B+	86.5 – 89.0	4.30	3.80	3.30
B	82.5 – 86.0	4.00	3.50	3.00
B-	79.5 – 82.0	3.70	3.20	2.70
C+	76.5 – 79.0	3.30	2.80	2.30
C	72.5 – 76.0	3.00	2.50	2.00
C-	69.5 – 72.0	2.70	2.20	1.70
D+	66.5 – 69.0	2.30	1.80	1.30
D	62.5 – 66.0	2.00	1.50	1.00
D-	59.5 – 62.0	1.70	1.20	0.70
F	Below 59.5	0.00	0.00	0.00

AMSA 2026 SAT Cohort			
Percentile	**Total**	**ERW**	**Math**
75th	1390	690	720
50th	1250	610	620
25th	1120	550	550

"Every student is held to a high standard, and they are accomplishing amazing things. There are so many opportunities here for students that I haven't seen in other schools."

AMSA Teacher

COURSE LEVELS

College Preparatory (CP) – Courses are designed to prepare students for success in college.

Honors (H) and Advanced (Adv) – These classes cover more complex material, permit further in-depth study than a CP course, and require independent learning and greater effort.

Advanced Placement (AP) – A program created by the College Board to offer college-level curriculum and examinations to high school students.

Post AP Courses – These courses require an Advanced Placement course as a prerequisite. Post AP courses are also weighted the same as Advanced Placement courses.

CURRICULUM

AMSA's curriculum is extremely rigorous, with a heavy focus on excellence in science, technology, and mathematics. Our classes are taught at a fast pace with significant emphasis on student initiative and independence, similar to college-level classes.

Every AMSA student receives comprehensive training in mathematical thinking and analysis– the foundation skills necessary for success in college/graduate learning as well as STEM and other careers. They learn not what to think, but how to think, using critical thinking and problem solving skills that are future-proof.

For a complete list of high school course offerings, please visit amsacs.org to view our Program of Studies.

Graduation Requirements: 28 Credits	
Math	4 Years
English	4 Years
Science	3 Years
History	3 Years
Foreign Language	2 Years
Computer Science	3 Years (1.5 Credits)
Art	2 Years (1 Credit)
Physical Education	3 Years
Health/Wellness	1 Year

"The teachers love what they do and are always pushing the boundaries with their innovative curriculum."

Parents of 9th Grader and 12th Grader

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ADVANCED PLACEMENT COURSES

Biology	French	Physics C: Mechanics
Calculus AB/BC	Government & Politics	Psychology
Chemistry	Latin	Spanish
Computer Science A	Macroeconomics	Statistics
English Language	Microeconomics	Studio Art
English Literature	Physics C: Electricity & Magentism	U.S. History

2024 AP Scholar Awards	
Award	**# Students**
AP Scholar	**32**
AP Scholar With Honor	26
AP Scholar With Distinction	49

AMSA students took 440 AP Exams in the 2025-2026 school year. 88% of students scored 3, 4, or 5 on at least one exam.
81% of the class of 2026 took at least one AP exam while at AMSA.

Post Advanced Placement Courses

Discrete Mathematics for CS
Full Stack Development
Intro to Cyber Security & Cryptography
Intro to Data Science
Linear Algebra/Differential Equations
Multivariable/Vector Calculus

MATH & SCIENCE RESEARCH OPPORTUNITIES

Students conduct independent graduate-level research in areas such as Differential Equations in Natural Sciences, Astronomy, Biochemistry, Ecology, Engineering, Geochemistry/Hydrology, Molecular Biology, and Scientific Instrumentation. Students in Biochemistry have the opportunity annually to earn microcredentials from the Bioscience Core Skills Institute (https://bcsi.bio/), up to three microcredentials by graduation.

A scanning electron microscope donated by Thermo Fisher Scientific is taking the science research program to new heights. This unprecedented gift – one of the only electron microscopes housed at a public high school in the U.S. – gives AMSA students unrivaled learning and research opportunities normally only found in college science labs.

MATH LEVELS

	College Prep I	College Prep II	Honors	Advanced/AP /Post AP
Grade 9	Algebra I *and* Geometry A	Algebra II *and* Geometry I (CP)	Algebra II (H) *and* Geometry I (H)	Algebra II / Trigonometry *and* Advanced Geometry
Grade 10	Algebra II *and* Geometry B	Algebra III *or* Precalculus *and* Geometry II (CP)	Precalculus (H)	Advanced Precalculus / Beginning Calculus
Grade 11	Algebra III	Precalculus *or* Intro to Calculus	Calculus (H)	AP Calculus AB / BC
Grade 12	Precalculus *or* Accounting	Intro to Calculus *or* Statistics (H) *or* Accounting	AP Calculus AB / BC *or* Statistics (H)	Multivariable / Vector Calculus *and/or* AP Statistics *and/or* Linear Algebra

2026 Student Outcomes

2026 National Merit Scholars

7 Commended Students

2 semi-finalist

Attending 4 year Institution	Attending 2 year institution	Work, attend trade school, join the military	Gap or Service Year	% Accepted to 1 or more colleges
95%	2%	1%	2%	95%

We encourage risk-taking and creativity. We create an environment where it's safe for students to make mistakes.
~ Ms. Christina Jagielski, Science Academic Department Chair

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CLASS OF 2026 COLLEGE ACCEPTANCES

American University
Anna Maria College
Arizona State University- Tempe
Assumption University*
Bentley University*
Binghamton University, State University of New York
Boston Architectural College
Boston College*
Boston University
Brandeis University*
Bridgewater State University*
Bryant University
Buffalo State University, State University of New York
Case Western Reserve University
Champlain College
Clark University
Clarkson University
Clemson University
Coastal Carolina University
Colby College
College of Charleston*
College of the Holy Cross*
Colorado State University
Curry College*
Dean College
Drew University*
Drexel University
East Carolina University*
Eckerd College
Elon University*
Embry-Riddle Aeronautical University - Daytona Beach*
Emerson College*
Emmanuel College*
Endicott College*
Fairfield University*
Fisher College
Fitchburg State University
Flagler College
Florida Atlantic University
Florida Gulf Coast University*
Florida Institute of Technology*
Florida International University
Florida Southern College
Florida State University
Framingham State University*
Franklin Pierce University*
Georgia Institute of Technology*
Gordon College
High Point University
Hobart and William Smith Colleges
Hofstra University
Howard University
IE University - Madrid
Illinois Institute of Technology
Indiana University Bloomington*
Ithaca College*
Jacksonville University
James Madison University
Johnson & Wales University, Providence
Kansas State University
Le Moyne College
Lesley University
Liberty University
Long Island University- Post
Louisiana State University and Agricultural & Mechanical College
Loyola Marymount University
Loyola University Maryland
Marist University
Massachusetts Bay Community College*
Massachusetts College of Art and Design
Massachusetts College of Pharmacy and Health Sciences*
McGill University*
Merrimack College*
Michigan State University
Middlebury College*
Montana State University
New College of Florida
New England College
New Jersey Institute of Technology
Nichols College*
North Carolina State University*
Northeastern University*
Ohio University
Oklahoma State University
Oregon Institute of Technology
Oregon State University
Palm Beach Atlantic University
Paul Smith's College
Penn State University Park*
Plymouth State University
Providence College*
Purdue University*
Queen's University Kingston
Quinnipiac University*
Quinsigamond Community College*
Regis College*
Rensselaer Polytechnic Institute*
Rochester Institute of Technology*
Roger Williams University
Rollins College
Rose-Hulman Institute of Technology
Rutgers University - New Brunswick*
Sacred Heart University
Saint Anselm College
Saint Joseph's College of Maine
Saint Michael's College*
Salem State University
Salve Regina University
San Diego State University
Seton Hall University
Siena University
Simmons University
Southern New Hampshire University
Springfield College
St. John's University*
State University of New York College at Geneseo
Stevens Institute of Technology
Stonehill College*
Stony Brook University, State University of New York
Suffolk University
Syracuse University
Technische Hochschule Ingolstadt and Airbus*
Technische Universiteit Eindhoven*
Temple University
Texas A&M University
Texas State University
Texas Tech University*
The American University of Rome
The George Washington University*
The Ohio State University at Columbus*
The University of Alabama*
The University of Arizona
The University of Kansas
The University of North Carolina at Chapel Hill
The University of North Carolina at Charlotte
The University of Scranton
The University of Tampa
The University of Tennessee
The University of Texas at Austin
The University of Texas at Dallas
Trinity College
Tufts University
Union College
University College Dublin
University of California-Los Angeles
University of California, Berkeley
University of California, Davis
University of California, Irvine
University of California, San Diego
University of California, Santa Barbara
University of Central Florida
University of Colorado Boulder
University of Connecticut
University of Delaware*
University of Denver
University of Edinburgh
University of Florida
University of Hartford
University of Houston
University of Illinois at Urbana-Champaign*
University of Kentucky
University of Limerick
University of Maine*
University of Maine at Farmington
University of Maryland Eastern Shore
University of Maryland, College Park*
University of Massachusetts Amherst*
University of Massachusetts Boston*
University of Massachusetts Dartmouth*
University of Massachusetts Lowell*
University of Miami*
University of Michigan*
University of Mississippi
University of Montana
University of New England*
University of New Hampshire*
University of New Haven
University of New Mexico
University of North Florida*
University of Oregon
University of Pittsburgh
University of Rhode Island
University of Rochester
University of South Carolina-Columbia
University of South Florida
University of Southern California
University of Southern Maine
University of St Andrews*
University of Toronto*
University of Vermont*
University of Virginia
University of Washington
University of Wisconsin-Madison
University of Wyoming
Utica University
Villanova University*
Virginia Tech
Washington and Lee University*
Waterford Institute of Technology
Wentworth Institute of Technology
Western Michigan University
Western New England University
Westfield State University*
Wheaton College
Whitman College
William & Mary
Worcester Polytechnic Institute*
Worcester State University*

**** Indicates students attending***