

Algonquin Regional High School

Serving the communities of Northborough & Southborough, MA

2021-2022 School Profile



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<http://algonquin.nsbورو.k12.ma.us/pages/ARHS>

School:

Accredited by the New England Association of College and Secondary Schools, Algonquin Regional High School is a comprehensive public high school with an enrollment of approximately 1,250 students in grades nine through twelve. Algonquin is designed to meet the needs of a variety of students, including students preparing to enter a four-year college or university, students who will continue their education for a shorter period of time at a junior college, vocational or technical school, and students preparing to enter the world of work. More than 95% of Algonquin graduates enter post-secondary education institutions with the majority attending 4 year schools.

Community:

Northborough and Southborough, residential suburbs west of Boston with populations of 14,753 and 9,767 respectively, have a long history of strong support for public education. The rural beauty and small-town atmosphere attract a diverse population, from professionals to business owners and trades people.

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Graduation Requirements

English	20 credits
Mathematics	15 credits
Science (Lab)	15 credits
Social Studies	15 credits
Economics	2.5 credits
Computer Essentials	2.5 credits
Fine/Applied Arts	2.5 credits
Health & Fitness	10 credits
Electives	27.5 credits

Total Credits: Minimum of 110

English: 4 yrs.

Students are required to take Freshman English (9), Sophomore English (10), Junior English or AP Language (11), seniors select from a variety of options including AP English Literature.

Social Studies: 3 yrs.

Students are required to take US History I (9), US History II or AP US (10), World History II or AP World (11), juniors and seniors can select from a variety of electives including AP Psychology, AP Human Geography, and AP US Govt. & Politics.

Mathematics: 3yrs.

Students typically meet the requirements with Algebra I, Geometry, & Algebra II. Many of our students enroll in advanced math courses of Math Functions, Pre-Calculus, Calculus, AP Calculus AB or BC, and AP Statistics.

Science: 3yrs.

Students are required to take Biology (9), Chemistry (10), and Physics (11). Students often continue beyond the required courses to include AP Chemistry, AP Biology, AP Environmental, Physiology, and other electives. All courses include a laboratory component.

World Language: no requirement

There is not a graduation requirement for world language but many students elect to enroll in two or more years of a language. Students can choose from Latin, Spanish & French, all culminating to an AP course.

Health & Fitness: all 4 years

The health and physical education courses provide a comprehensive curriculum that challenges students to pursue a healthy lifestyle. Students are required to enroll in a health and fitness course every year of high school.

Fine/Perform/Applied Arts: 1.5 yrs.

Students are required to take a semester of Computer Essentials, economics, and an applied or fine arts elective of their choosing. Courses are offered in visual arts, music, theater, and applied arts.

Program of Study

Advanced Placement (AP)

These courses are designed to challenge students with college level work and exams while still in high school. The curriculum for AP courses is standardized by the College Board and challenges students to the highest degree.

Honors (H)

These courses include material presented at an accelerated and more intensive pace than the college prep courses. They require advanced reading, writing, verbal, conceptual, mathematical, and study abilities, as well as extensive outside preparation.

College Preparatory (ACP) (CP)

These courses are college and post-secondary educational preparatory classes. These are taken by a majority of four-year college bound students, and require well-developed reading, writing, verbal, conceptual, mathematical, and study abilities, as well as outside preparation and assignments.

Grade Point Average & Rank

Algonquin does not report rank for students.

All courses at ARHS are weighted based upon the level of the class (i.e. AP, H, and CP). All courses are calculated into the GPA with the exception of courses students choose to exempt. A student can elect to exempt one non-required course per semester from their GPA. The GPA exemption is designed to allow students to enroll in CP electives without concern for their overall GPA.

The junior GPA based on six semesters is the GPA sent to colleges during the college application process. The GPA is not recalculated again until the end of senior year. *Levels are denoted on the transcript as AP, H, & CP*

Computation of grade point average (GPA) is based on the following chart:

A	B	C	D	E
		AP	H	CP
A+	97-100	5	4.5	4
A	93-96	4.8	4.3	3.8
A-	90-92	4.5	4	3.5
B+	87-89	4.3	3.8	3.3
B	83-86	4	3.5	3
B-	80-82	3.8	3.3	2.8
C+	77-79	3.5	3	2.5
C	73-76	3.3	2.8	2.3
C-	70-72	3	2.5	2
D+	67-69	2.8	2.3	1.8
D	63-66	2.5	2	1.5
D-	60-62	2.3	1.8	1.3
F	0-59	0	0	0

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2021 ADVANCED PLACEMENT SCORES

468 students took 939 exams.

Students earning a grade of 3 or higher = 87%

Total AP Scholars: 178 Average Scholar score: 3.93

Average AP Scores by Course

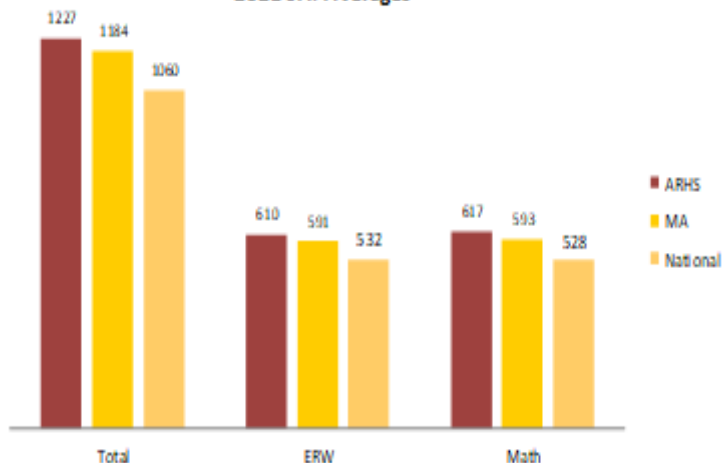
2-Dimensional Art = 3.5	Human Geography = 4.7
Biology = 3.9	Microeconomics = 3.4
Calculus AB = 4.4	Music Theory = 3.5
Calculus BC = 4.5	Physics C E&M = 3.9, M = 4.1
Chemistry = 3.9	Psychology = 4.0
Computer Science A = 3.7	Spanish Language = 3.4
Computer Science Principles = 3.9	Statistics = 3.7
English Language & Comp. = 4.1	Studio Art = 2.8
English Lit & Comp. = 3.5	U.S. Govt & Pol = 4.2
Environmental Science = 4.0	U.S. History = 5.0
French Language = 2.9	World History = 4.5

COVID Pandemic Statement

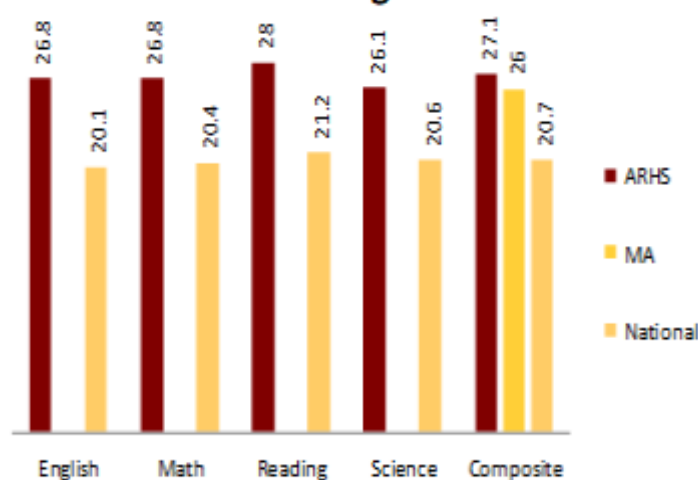
For the 2020-2021 school year, students engaged in a hybrid learning model from September—April. All students returned to in person learning April 27, 2020– June 19, 2020. During hybrid learning teachers live streamed instruction to remote students in order to maintain a rigorous course of study. Grading followed our traditional grading practice, awarding final letter grades for all courses. GPA was calculated utilizing our weighted scale. Grades are reflective of student progress. Counselors will address individual circumstances in their letter of recommendation.

For the 2019-2020 school year, the grading policy was adjusted during the pandemic. We ended term 3 at the time of school closure. The remainder of the school year, remote learning time, constituted term 4. Algonquin weighted terms 1, 2, 3 and midterm exam more heavily than term 4 due to the number of instructional hours. Final grades were issued for all students. The change in weighting allowed for final grades to be more reflective of the students' progress during in person instruction.

2021 SAT Averages



2021 ACT Averages



National Merit

Massachusetts NMSQT index: 222

Class of 2022:
5 Semi-finalists, 19 commended

Class of 2021:
4 Finalists, 18 commended

Class of 2020:
1 Finalist, 19 commended

Class of 2022 GPA Range

High: 4.53

Median: 3.83

Low: 1.90

Algonquin Regional High School counselors complete a counselor recommendation, secondary school report and mid-year report for each student in lieu of individual college reports.

Course of Study

ENGLISH

A.P. English Literature
A.P. English Language
Adv. Writing Seminar (H)
American Literature (H) (CP)
British Literature (H) (CP)
Comedy & Satire in Lit (H) (CP)
Contemporary Literature (CP)
Creative Writing (H) (CP)
Fairy Tales & Myths (H) (CP)
Freshman English (H) (CP)
Journalism (H) (CP)
Junior English (H) (CP)
Non-Western Literature (H)
Oral Tradition & Spoken Word (H)
Postmodernism (H)
Reading/Writing Memoirs (H) (CP)
Russian/European Literature (H)
Silenced Voices (H) (CP)
Sophomore English (H) (CP)
Studies in Child Lit. (H)
Writing Workshop (H) (CP)
Newspaper Production I, II (H)

SOCIAL STUDIES

A. P. Human Geography
A.P. Psychology
A.P. U.S. Gov't & Politics
A.P. U.S. History
A.P. World History
Criminal Justice (H) (CP)
Current Affairs (H)
Holocaust & Human Behavior (H)
Law and Society (H) (CP)
Psychology (H) (CP) I & II
Positive Psychology (H)
Race in America (H)
History Thru Film (H) (CP)
Sociology (H) (CP)
U.S. History I (H) (CP)
U.S. History II (H) (CP)
Women in U.S. History (H)
World History II (H) (CP)

MATHEMATICS

A.P. Calculus (AB) (BC)
A.P. Statistics
Adv. Math Functions (CP)
Algebra I (H) (CP)
Algebra I Fund (CP)
Algebra II (H) (CP)
Algebra 2 Fund (CP)
Calculus (H) (CP)
Cont. Applied Math I & II (H) (CP)
Geometry (H) (CP)
Geometry Fund (CP)
Individualized Math (CP)
Integrated Math I (CP)
Integrated Math II (CP)
Integrated Math III (CP)
Math Reasoning (CP)
MCAS Prep (CP)
Pre-Calculus (H) (CP)
Pre-Calculus Fund (CP)
Statistics (CP)

INTERDISCIPLINARY

Public Speaking (H)

COMPUTER SCIENCE

A.P. Computer Science A/AB
A. P. Computer Science Principles
Advanced HTML & Web Design (H)
C++1(H) (CP)
C++2 (H) (CP)
Exploring Comp Science (H) (CP)
Flash II (CP)
HTML & Web Design (H) (CP)
Intro to Comp Prog. (CP)
Python (H)
Scheme Program (H) (CP)
Visual Basic (H) (CP)
Visual C++(H)
Web Page/Dreamweaver (H)
Game Dev. & Prog. (H) (CP)

SCIENCE (ALL LAB SCIENCE)

A.P. Biology
A.P. Chemistry
A.P. Environmental
A.P. Physics B,C
Astron & Meteorology (CP)
Bio Fund(CP)
Biotechnology (H) (CP)
Biology (H) (CP)
Chemistry (H) (CP)
Environ. Science (H) (CP)
Forensic Science (H) (CP)
Chemistry Fund (CP)
Human Anatomy & Physiology (H) (CP)
Intro to Engineering (H) (CP)
Organic Chemistry (H)
Physics (H) (CP)
Physics Fund (CP)
Science Innovations (H) (CP)

WORLD LANGUAGES

A.P. French Language
A.P. Latin:Vergil
A.P. Spanish Language
French I,II,III,IV (H) (CP)
French V (H)
Hispanic Culture A/B (H) (CP)
Latin I,II,III,IV, V (H) (CP)
Spanish I,II, (A), (B),III,IV, (H) (CP)
Spanish Thru Film Adv. (H) (CP)
Human Language (H) (CP)
Linguistics (H) (CP)
Intro to Philosophy (H)
Ancient Greek Hist & Cult (H)
Ancient Roman Hist & Cult (H)

HEALTH & FITNESS

Health & Fitness 09
Health & Fitness 10
Health & Fitness 11
Health & Fitness 12
Outdoor ED (CP)
Project Adventure (CP)
Team Sports (CP)
Weight Training (CP)

APPLIED ARTS & TECHNOLOGY

A.P. Microeconomics
Accounting I,II (H) (CP)
Architectural Graphics (H)
Business Communications (H)

APPLIED ARTS & TECHNOLOGY cont.

Business Internship (H)
Business Fundamentals (CP)
Business Law (H) (CP)
Business Research (H)
Computer Animation (H) (CP)
Construction Technology (CP)
Contemp issues/Global Eco. (H)
Corporate Finance (H)
Digital Literacy (CP)
Early Child Development (CP)
Early Child Education (CP)
Economics & Finance (H) (CP)
Energy, Power Transportation (CP)
Engineering Graphics I, II, III (H) (CP)
Engineering with Metals (CP)
Entrepreneurship (H)
Fashion Design & Retail (CP)
Financial Literacy (CP)
International Business (H)
Marketing I,II (H) (CP)
Marketing Research & Applications (H)
Microsoft Office Cert (H)
Nutrition/Culinary Arts I,II (CP)
Robotic Technology (H)
Sports & Entertainment Marketing (H)
Social Media Marketing (H)
Tech Engineer Mkrspace (H)
Video Production I,II (H) (CP)
Wood Technology I,II (CP)
Work Study/Internships (CP)
Video Technology I (H)

FINE AND PERFORMING ARTS

A.P. Music Theory
A.P. Studio Art/Drawing/2D Design
Adv. Pottery/Ceramics (H)
Advanced Art I /Portfolio (H)
Advanced Art II/Portfolio (H)
Advanced Drama (H)
Art I (CP)
Art II (CP)
Audio Recording Tech. (H)
Beg. Guitar (CP)
Beg Piano (CP)
Camerata Singers (H)
Chamber Choir (H)
Concert Band (H)
Concert Choir (H)
Digital Art (CP) (H)
Drama Workshop I,II (CP)
Intro to Photo Shop (CP)
Intro. Graphic Design (CP)
Jazz Ensemble (H)
Jazz Improv. Workshop (H)
Music Theory (H)
Painting & Drawing (CP)
Photo Advanced (H)
Photography Begin/Interm (CP)
Pottery & Ceramics I,II (CP) (H)
Sculpture I/3D Design (CP) (H)
String Orchestra (H)
Symphonic Band (H)
Theatrical Set Design (CP)
Wind Ensemble (H)
Theater Tech Crew