



CONCORD CARLISLE HIGH SCHOOL

2020-21 SCHOOL PROFILE



500 WALDEN ST, CONCORD, MA
978-318-1400
CEEB: 220645
concordcarlisle.org



WHO WE ARE

Concord Carlisle High School is a four-year, college preparatory high school with an enrollment of 1,280 students. CCHS has an outstanding educational program that annually sends over 90% percent of its graduates on to higher education. We are proud of our 53-year partnership with the Metropolitan Council for Educational Opportunity, Inc. (METCO). In 1965, Massachusetts legislators gave city and town school districts the right to "help alleviate racial isolation" and "racial imbalance" by enrolling students who reside elsewhere. Since 1967 CCHS has welcomed students from Boston, Carlisle, and Concord.

Innovative curriculum and an expansive range of electives challenge and engage the broad spectrum of learners in our school community. CCHS features an award-winning, eco-friendly facility with state-of-the-art technology. We believe technology is a valuable tool for enriching students' educational experiences, and our 1:1 laptop program ensures that technology is accessible for all students. CCHS employs a dedicated and well-educated staff with nearly all holding masters or doctoral degrees. Teachers in the major academic disciplines average four class sections with a teaching ratio of 90:1 (student: teacher). The counseling staff consists of 7.5 full-time equivalent guidance counselors with a student ratio of 180:1.

CCHS Core Values: Committed to excellence in and out of the classroom, the CCHS community believes that it is our mission to inspire our students from Concord, Carlisle and Boston to strive for and meet high levels of academic and personal achievement. We believe that the respectful, supportive, and engaging learning environment at CCHS instills intellectual curiosity, a passion for learning, as well as an understanding of one's role in the local community and in a diverse global society.

ADMINISTRATION

Laurie Hunter, Superintendent
Michael Mastrullo, Principal
Brian Miller, Assistant Principal
Katie Stahl, Assistant Principal

COUNSELORS

Jeffrey Block
Rachele Brown
Paulina Chin
Tamara DiCesare
Katherine Goldrick
Alison Nowicki, Chair
Thomas O'Connor
Matthew Rudmann



GRADING

GPA is calculated using a 4.00 scale. The weighted GPA takes into consideration those grades received for HONORS & AP COURSES ONLY and grades are given a .66 weighting. A grade of "P" (Pass) and courses completed outside of CCHS does not factor into a student's GPA.

Concord Carlisle does not rank its students.

GPA CHART

Grade	Unweighted value	Weighted value
A, A+	4.00	4.66
A-	3.66	4.33
B+	3.33	4.00
B	3.00	3.66
B-	2.66	3.33
C+	2.33	3.00
C	2.00	2.66
C-	1.66	2.00
D+	1.33	1.66
D	1.00	1.00
D-	.66	.66
F	0.00	0.00

COVID-19 GRADING

On March 13, 2020, the COVID-19 pandemic closed the Concord Carlisle High School facility for the remainder of the academic year. Virtual learning began on March 16.

Based on recommendations from the Massachusetts Department of Secondary and Elementary Education, we adopted a Pass/Fail grading system. Due to this change, we separated full-year courses into Semester 1 and Semester 2, and students received a grade for each semester. Traditionally, full-year courses receive only a final grade. Due to remote learning and lost contact time, CCHS did not administer final exams, and we decided to forego Q5 for the academic year.



CLASS OF 2020 PROFILE

SAT SCORES

SCORE	EBRW # of students	MATH # of students
700-800	66	80
600-699	73	53
500-599	36	40
BELOW 500	9	10
MEDIAN	670	680

NATIONAL MERIT

11 Semi-Finalists
11 Finalists
22 Commendations

ACT SCORES

COMPOSITE SCORE	# of students
33-36	40
29-32	42
25-28	39
21-24	21
BELOW 21	10
MEDIAN	30

AP SCORES

YEAR	SCORE \geq 3	SCORE \geq 4	SCORE = 5
2019	93.3%	78%	46%
2018	92.5%	75%	40%
2017	92.9%	80%	46%

2016-20 POST SECONDARY PLACEMENTS (3+ STUDENTS)

American University
Amherst College
Assumption College
Barnard College
Bates College
Bentley University
Boston College
Boston University
Bowdoin College
Brandeis University
Brown University
Bryant University
Bucknell University
Carleton College
Carnegie Mellon University
Champlain College
Clark University
Clarkson University
Clemson University
Colby College
Colgate University
The College of the Holy Cross
The College of William & Mary
Colorado College
Columbia College Chicago
Connecticut College
Cornell University
Dartmouth College
Dean College
Denison University
Dickinson College
Drexel University
Elon University
Emerson College
Emmanuel College
Emory University
Endicott College
Fairfield University
Fordham University
Framingham State University
George Washington University
Georgetown University
Gettysburg College
Hamilton College
Hampshire College
Harvard College
Haverford College
Hobart & William Smith College
Ithaca College
Johns Hopkins University
Johnson & Wales University, Providence

Kenyon College
Lafayette College
Lasell University
Lehigh University
Lesley University
Lewis & Clark College
Loyola Marymount University
Loyola University Maryland
Loyola University New Orleans
Macalester College
Massachusetts College of Art & Design
Mass. Coll. of Pharmacy & Health Sciences
Massachusetts Institute of Technology
McGill University
Merrimack College
Miami University - Oxford
Middlebury College
Middlesex Community College
Mount Holyoke College
New York University
Northeastern University
Northwestern University
Oberlin College
Occidental College
Pennsylvania State University
Plymouth State University
Pratt Institute
Providence College
Purdue University
Quinnipiac University
Regis College
Rensselaer Polytechnic Institute
Rochester Institute of Technology
Roger Williams University
Saint Anselm College
Salem State University
Savannah College of Art & Design
Scripps College
Simmons University
Skidmore College
Smith College
Southern Methodist University
Springfield College
St. Lawrence University
Stanford University
Stonehill College
Stony Brook University, SUNY
Suffold University
Syracuse University
The New School

The University of Alabama
The University of Arizona
The University of Tampa
Trinity College
Tufts University
Tulane University of Louisiana
Union College
University of California, Santa Barbara
University of California, San Diego
University of Chicago
University of Colorado Boulder
University of Connecticut
University of Delaware
University of Denver
University of Hartford
University of Illinois at Urbana-Champaign
University of Maine
University of Maryland - College Park
University of Massachusetts, Boston
University of Massachusetts, Dartmouth
University of Massachusetts, Amherst
University of Massachusetts, Lowell
University of Miami
University of Michigan, Ann Arbor
University of Minnesota, Twin Cities
University of New Hampshire
University of Notre Dame
University of Pennsylvania
University of Pittsburgh
University of Rhode Island
University of Richmond
University of San Francisco
University of South Carolina
University of Southern California
University of Toronto
University of Utah
University of Vermont
University of Virginia
University of Washington
University of Wisconsin, Madison
Vanderbilt University
Villanova University
Wake Forest University
Washington University of St. Louis
Wellesley College
Wheaton College
Whitman College
Worcester Polytechnic Institute
Worcester State University
Yale University



INTERPRETING THE TRANSCRIPT

LEVELS

ADVANCED PLACEMENT (AP) and HONORS (H) courses are for students who have shown exceptional academic achievement through a combination of ability and motivation.

ENRICHED (E) courses are for students of high academic achievement. These courses move at a faster pace than the standard college preparatory courses and/or include additional materials that expand on the topics being considered.

COLLEGE PREPARATORY (CP) courses are our average college preparatory courses. In addition to regular homework students are expected to plan and complete long-term assignments.

ENGLISH

9th Grade English (H, CP) - Full year course
10th Grade English (H, CP) - Full year course

Grade 11 - Semester 1

Jr. English (H, CP)
Twice Told Tales (H, CP) - INTERDISCIPLINARY COURSE

Grade 11 - Semester 2

Rhetoric (H) OR Writing Workshop (CP)

Semester 1 - Grade 12

Sr. English (H, CP)
Semester 2 - Grade 12 (unleveled electives)

World Literature
Creative Writing
Visions of the Future

****WE DO NOT OFFER AP ENGLISH COURSES.****

SOCIAL STUDIES

Grade 9 - World Cultures & Civilizations

Grade 10 - US History

Grades 11 & 12 (semester electives):

Psychology: Brain, Mind, & Behavior, Psychology: Normal & Abnormal Behavior, Senior Psychology, International Issues, World Religions, Intro to Sociology, Current Affairs, Intro to Economics, Understanding Russia: Past, Present & Future, Hamilton & His Era: Democracy, Social Change & the Early Republic (formerly titled "19th Century U.S. History"), Making Modern America, The Presidency, Constitutional Law, Dictatorships & Democracy: The World Since 1914, Ancient Rome, Ancient Greece, History & Literature: A Twice Told Tale (interdisciplinary).

****WE DO NOT OFFER HONORS OR AP SOCIAL STUDIES COURSES. ALL COURSES ARE UNLEVELED.****

SCIENCE

The science department offers courses at three levels.

FULL YEAR COURSES

Introductory Biology (CP, H)
Introduction Chemistry (CP, E, H)
Introductory Earth Science (CP, H)
Human Anatomy & Physiology (E)
AP Biology
AP Chemistry
AP Environmental Science
AP Physics I (H)
AP Physics B

ELECTIVES

Geology (E)
Meteorology (E)
Astronomy (E)
Organic Chemistry (E, H)
Forensic Science (E)

****Physics at the CP level is semesterized: Physics – Mechanics
Physics –Electricity & Magnetism**

MATH

The math department offers courses in four different levels.

Most Concord and Carlisle students complete Algebra I in the eighth grade.

ALGEBRA

Algebra 1 (CP3, CP2)
Algebra 2 (CP3, CP2, CP1, H)

GEOMETRY

Geometry and Statistics
Geometry (CP2, CP1, H)

ELECTIVES

Biostatistics
Financial Literacy
Accounting & Business Math

ADVANCED MATH

Modeling with Functions & Trigonometry
Pre-Calculus (CP2, CP1, H)

CALCULUS

Introduction to Calculus
College Prep 1 Calculus
AP Calculus AB

AP Calculus BC

STATISTICS

Statistics
AP Statistics

WORLD LANGUAGE

French 1

French 2/2H

French 3/3H

French 4/4H

French Conversation & Culture

French AP

French AP2

Spanish 1

Spanish 2/2H

Spanish 3/3H

Spanish 4/4H

Spanish Conversation & Culture

Spanish AP

Spanish AP2

Latin 1/1H

Latin 2/2H

Latin 3/3H

Latin 4/4H

Chinese 1

Chinese 2/2H

Chinese 3/3H

Chinese 4/4H

Chinese 5/5H

Chinese AP

NOTEWORTHY EDUCATIONAL OPPORTUNITIES

AP CAPSTONE - A two-year program that focuses on developing research skills, including critical thinking and developing arguments, as well as designing and conducting a year-long research-based investigation on a topic of choice.

CONCORD-CARLISLE COMMUNITY CONNECTIONS - A mentoring program designed to introduce CCHS sophomores, juniors, and seniors to the business and professional world outside of the classroom through a series of meetings with individual mentors.

ENGINEERING CERTIFICATE - Courses give students an opportunity to investigate engineering and employ concepts to solve design problems. More info: <https://bit.ly/cchsEngineering>

GLOBAL COMPETENCY CERTIFICATE - Aims to foster students' global awareness and empower them to identify their role as global citizens while gaining an appreciation of other world cultures, viewpoints and perspectives.

INDEPENDENT STUDY - Students can create a semester or year-long independent study with a teacher that they have previously had. Students take advantage of this when a course does not fit in their schedule or a topic is not offered.

Q5 - An immersive learning experience leveraging the curiosity, knowledge, and passions of students and faculty to foster complex thinking, creativity, communication, and collaboration. More info: concordcarlisle.org/q5

RUETTIGERS SEMINAR - The Ruettgiers Family of Carlisle, MA makes generous contributions to CCHS to encourage the creation of seminars and learning experiences that reward students with intense intellectual interests not covered in the general curriculum.

SENIOR INTERNSHIP - An internship is a unique 6-7 week experience for seniors to explore careers of interest. Seniors are involved as non-paid "authentic employees" receiving academic credit for practical work experiences. during the 4th quarter.

<https://www.concordcarlisle.org/senior-internship-program/>

TEACHING ASSISTANT - Students can be a TA for one semester or for a full-year. Responsibilities include administrative tasks, such as setting up labs/classrooms, taking class notes, and offering extra help for students, among other things.

WORK EXPERIENCE - Students who desire to develop their personal, social and job skills through work, and are working at least 10 hours per week during the school year, are eligible for participation in this program.



CURRICULUM & SCHEDULING

In addition to regular curricular offerings in English, Social Studies, Math, Science, World Language and Health & Fitness, CCHS offers a robust selection of Fine Arts, Performing Arts, and Computer Science electives. In addition students may also take courses through Virtual High School. CCHS Program of Studies: <https://bit.ly/cchsProgramofStudies>



ENGLISH

Successful completion of a four-year English program is a requirement of Concord-Carlisle High School. All courses are designed to strengthen skills in reading, writing, listening, and speaking. Areas of major emphasis are language development, critical thinking, composition, literature study, drama, and media. Through the study of literature, students gain access to other worlds, experiences, emotions, and ideas. As they learn to explore and analyze texts, they develop their understanding of language as a medium and grow as writers themselves.



SOCIAL STUDIES

Social Studies courses acquaint students with information, concepts and methods in a variety of the social sciences. There is no tracking or leveling in Social Studies courses; learning in an academic classroom with students of varying interests and abilities is an important part of the program. Engaging in discussions, encountering different views, and appreciating the worth of one's own thoughts as they grow out of analysis of information and concepts are central parts of the social studies experience.



SCIENCE

The Science Program offers courses designed to acquaint students with the means of inquiry used by scientists, to acquire knowledge that comprises the essential structure of each of the sciences, and to develop a respect for and an enduring curiosity about the natural world and the mysteries of the universe. Courses are available in earth and space science, biology, chemistry, and physics. In all of the courses, laboratory work is stressed rather than a lecture-reading method. Emphasis is placed on the recognition of fundamental principles through direct experience.



MATHEMATICS

The Mathematics Department offers instruction in data representation and statistics, functions, geometry and measurement, number systems and problem solving. As teachers match their instructional approaches to the predominant learning styles of each class, they strive to enable all students to make progress in their ongoing development of the following mathematical practices: making sense of problems and persevering through solving them, reasoning abstractly, communicating their knowledge and constructing viable arguments, flexibility with multiple representations of concepts, making connections among math topics, procedural fluency, and self-assessment skills.



WORLD LANGUAGE

In the modern languages, the Chinese, French and Spanish Programs seek to develop proficiency in listening, speaking, reading, and writing. The early stages of the programs are primarily concerned with vocabulary acquisition and developing spoken and written interpersonal communication skills needed for interactions in everyday situations. In the more advanced stages, students continue to develop and refine their interpretive and presentational communication skills. Reading and writing are of increasing importance as student's progress into culture-related activities and the study of literature. Students use the language to investigate, explain, and reflect on the relationship between the practices and perspectives of the cultures studied. The Latin Program concentrates on developing reading skills for the purposes of comprehension and analysis.



RIVERS & REVOLUTIONS

This interdisciplinary, experiential program will offer a coherent, rigorous and hands-on academic experience. Through the lenses of English, Social Studies, Science, Mathematics, and the Arts, students and teachers will investigate the following units of study: Rivers, Revolutions, Air, Fire and Love. The curriculum will provide students with the opportunity to consider the relationship among different ways of understanding and engaging the world, create connections between seemingly disparate things, and explore links between the content and their own lives. The program is designed to work for all types of learners. For more info: riversandrevolutions.org



HEALTH & FITNESS

The Health and Fitness Program is designed to build the skills, knowledge and confidence needed to maintain an active, healthy lifestyle. Health education and physical education are combined to make up the Health and Fitness Program. This is a required program for grades 9-12. All classes are co-educational, and students are placed in groupings of 9th grade, sophomores, and juniors/seniors. At the 9th grade and junior levels health education is a quarter-long unit while the sophomore level program has health education topics integrated within the Health & Fitness course.



COMPUTER SCIENCE

All of the courses offered in Computer Science are taught through a combination of acquiring foundational skills in each coding language and with applying those skills through work on creative programming projects. For students with no experience with computer science that are not sure they are ready to fully learn and master a programming language like Java or Python, the introductory course, Introduction to Computing and Coding is recommended. The Python and Java courses are both full programming language courses. The Web Design with JavaScript course teaches students the underlying process for designing interactive webpages.



PERFORMING ARTS

The Performing Arts offers courses designed to contribute to the musical and aesthetic education of students with a wide variety of abilities and interests. The program provides opportunities to increase proficiency with a musical instrument, the musical voice, or acting through performance, or to experience music as a form of expression.



FINE ARTS

Courses are offered in visual arts and applied technology. Each of these disciplines offers classes at the introductory and advanced level. Students are provided with challenging and enriching experiences in the arts which are aligned with the school's mission and goals. They may explore a variety of disciplines or concentrate in one specific discipline.