

Niwot High School Profile

FOCUS

International Baccalaureate (IB)

CONTACT INFORMATION

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ACCREDITATION

Rated at **Performance**, Colorado Department of Education's highest level



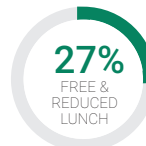
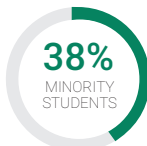
District Overview

St. Vrain Valley Schools is the academic home of more than 32,000 of Colorado's students. St. Vrain Valley is the seventh largest school district in the state and operates 57 schools and programs that are spread over 411 square miles serving 13 diverse communities. All traditional schools in St. Vrain are accredited at the two highest levels with **some of the most rigorous graduation requirements in Colorado**. St. Vrain Valley Schools is preparing students for the future by giving them a strong competitive advantage that will empower their success in a complex, globalized economy. The district offers 70 Instructional Focus Programs including: Energy, STEM, Engineering and Aerospace, Medical and BioScience, International Baccalaureate, and Leadership.

School Overview

Niwot High School offers a rigorous college preparatory curriculum and advanced level coursework that consists of Advanced Placement (AP), International Baccalaureate (IB) Diploma Programme (DP), and Niwot Pre-IB (NPIB)/Honors courses. In addition, students have the option to participate in concurrent enrollment which allows them to explore a variety of college courses. **Niwot High School was a top ranked public school in the Washington Post's 2019 ranking of America's most challenging schools and was recognized by The Denver Business Journal as a top-10 high school in the Denver Metro area.** Niwot High School received the John Irwin Award for academic achievement 11 times since 2002. NHS students are supported and challenged by an award winning staff including Colorado Principal of the Year, Cross Country Coach of the Year, Tennis Coach of the Year, and Koebel Enterprising Teacher of the Year.

 1270 STUDENTS



Student Achievements

Class of 2021

- SAT Composite Score: 1178
- ACT Composite Score: 28
- \$17,770,941 awarded scholarship dollars
- 100% of IB Diploma Candidates received their IB Diploma
- 522 AP exams administered
- 39 graduates received the Seal of Biliteracy

Overall Achievements

- Niwot High School has won 30 team state championships, 35 team state runner ups and over 120 individual state championships
- 90 percent of students involved in at least one extra-curricular activity
- Student honors include: Boettcher Scholars, National Merit Scholars, appointments to armed service academies and acceptance into every Ivy League school
- District, state, and nationally recognized performing arts programs with students invited to perform at Carnegie Hall, Disneyland, Disney World, and on Broadway



Academic Programming and College Credit Options

International Baccalaureate (IB) Diploma Program (DP): 22 weighted courses
Advanced Placement (AP): 13 weighted courses
Niwot Pre-IB (NPIB)/Honors Courses: 13 weighted courses
Concurrent Enrollment: Front Range Community College
Innovation Center and Career Elevation and Technology Center: Internship opportunities and certification programs are offered at these district learning centers

Graduation Requirements

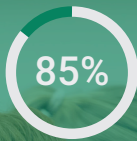
24.5 TOTAL CREDITS REQUIRED AMONG THE MOST RIGOROUS IN COLORADO

English	4.0
Math	3.0
Science	3.0
Social Studies	3.5
Fine Arts	0.5
Practical Arts	0.5
Physical Ed.	2.0
Health	0.5
Electives	7.5

Transcript Notations

- Includes both unweighted and weighted cumulative GPA
- Rank in class is determined by students' cumulative GPA, which includes classes taken at the college level. Every grade, except P and waived, in grades 9-12 is used in calculating rank
- A (TR) indicates credit transferred from another institution
- A (PS) indicates a dual credit college course taken through concurrent enrollment with Front Range Community College, e.g. FRCC English 121
- Weighted grades are earned in courses designated as Honors/NPIB or AP/IB using the following grading scale:

	UNWEIGHTED	HONORS/ NPIB	AP/IB
	A 4.0	A 4.5	A 5.0
	B 3.0	B 3.5	B 4.0
	C 2.0	C 2.5	C 3.0
	D 1.0	D 1.5	D 2.0
	F 0.0	F 0.0	F 0.0



OF NIWOT HIGH SCHOOL STUDENTS ATTEND A 2 OR 4 YEAR COLLEGE

Niwot Alumni have graduated from:

- Brown University
- Columbia University
- Colorado State University
- Cornell University
- Front Range Community College
- Harvard University
- Johns Hopkins University
- Northwestern University
- Princeton University
- University of Pennsylvania
- Stanford University
- University of Colorado
- University of Denver
- U.S. Naval, Army, and Air Force Academies
- Vanderbilt University

College Preparatory Curriculum

The following courses are offered at Niwot High School. Pre-IB (NPIB)/Honors, Advanced Placement (AP) and International Baccalaureate (IB) courses are listed in separate columns.

Traditional Offerings	NPIB/Honors	Advanced Placement	Int'l Baccalaureate <small>SL= Standard Level (150 instructional hours) HL=Higher Level (240 instructional hours)</small>
ENGLISH			
English 9	NPIB/Honors English 9	AP English Language	IB English Literature 11
English 10	NPIB/Honors English 10	AP English Literature	HL
English 11			IB English Literature 12
English 12			HL
Creative Writing			
SOCIAL STUDIES			
U.S. History	NPIB/Honors World Geography/History	AP U.S. Government	IB History SL & HL (Euro)
U.S./CO Government		AP Psychology	IB Psychology SL & HL
Sociology	NPIB/Honors U.S. History	AP Microeconomics	IB Theory of Knowledge
Contemporary Global Issues		AP Macroeconomics	
SCIENCE (ALL LAB BASED)			
Biology	NPIB/Honors Biology	AP Environmental Science	IB Biology SL & HL
Chemistry	NPIB/Honors Chem/Phys		IB Chemistry SL & HL
Physics			IB Physics SL & HL
Anatomy & Physiology			IB Sports, Exercise, and Health Science SL & HL
Astronomy			
Forensic Science			
MATHEMATICS			
Algebra 1	Honors Geometry	AP Statistics	IB Math Analysis SL & HL
Geometry	Honors Algebra 2	AP Calculus A/B	IB Math Application SL
Intermediate Algebra	Honors Pre-Calc/Trig	AP Calculus B/C	
Algebra 2			
Statistics			
Pre-Calculus/Trig			
WORLD LANGUAGES			
Spanish 1-4	NPIB/Honors Span 1-2	AP Spanish Language	IB French 3-4 SL
French 1-4	NPIB/Honors French 1-2		IB Spanish 3-4 SL
Spanish for Spanish Speakers 1-2			
PRACTICAL & FINE ARTS			
		AP Computer Science Principles	IB Visual Art SL & HL
		AP Computer Science	
FINANCIAL LITERACY			
Personal Financial Literacy			

IB Focus

- Niwot High School promotes and supports access to the IB Diploma Programme and individual IB courses for all students who can benefit from the educational experience they provide.
- 60 percent of juniors and seniors are accessing at least one IB Class.
- 71 percent of juniors and seniors are accessing at least one AP or IB Class.

Technology Focus

- All students have access to full-size, personal iPads.
- Clubs include 3D Printer Club, Robotics Club, the district's Up-A-Creek Robotics Team, school-wide Geek Squad to help students & staff solve tech issues.
- Computer science courses include Intro to Computer Programming, Intro to App Development, AP Computer Science Principles, and AP Computer Science.
- Internship opportunities and certification programs are offered at the district's Innovation Center and Career Elevation and Technology Center.