

Niwot High School Profile

FOCUS

International Baccalaureate (IB)

CONTACT INFORMATION

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ACCREDITATION

Rated at **Performance** and **Accredited with Distinction**, 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 2017 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.

Student Achievements

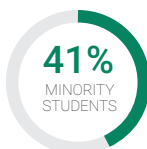
In 2018-2019

- SAT Composite Score: 1091
- ACT Composite Score: 27.5
- \$13,867,435 awarded scholarship dollars
- 944 IB and 709 AP exams administered
- IB students scored above the World-Wide Average in 9 subjects
- 90 percent of students involved in at least one extra-curricular activity
- 9 of the 20 sports finished as the State Champion or State Runner-Up

Overall Achievements

- Student honors include: Boettcher Scholars, National Merit Scholarships, appointments to all of the armed services academies and acceptance into every Ivy League school
- In the last six years, Niwot has won 7 team state championships and 47 individual state championships
- District, state, and nationally recognized performing arts programs with students invited to perform at Carnegie Hall, Disneyland, Disney World, and on Broadway

 1178
STUDENTS



Academic Programming and College Credit Options

International Baccalaureate (IB) Diploma Program (DP): 21 weighted courses
Advanced Placement (AP): 14 weighted courses
Niwot Pre-IB (NPIB)/Honors Courses: 13 weighted courses
Concurrent Enrollment: Front Range Community College & CU Boulder
Innovation Center and Career Development 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	3.0
Fine Arts	0.5
Practical Arts	0.5
Physical Ed.	2.0
Health	0.5
Electives	8.0

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 S, 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 the University of Colorado-Boulder, e.g. CU Gen. Psych or Front Range Community College, e.g. FRCC English 121.
- Weighted grades are earned in courses designated as Honors/NPIB or Advanced Placement/IB using the following grading scale:

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



86% OF NIWOT HIGH SCHOOL STUDENTS ATTEND A 2 OR 4 YEAR UNIVERSITY

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
- Yale 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
ENGLISH			
English 9	NPIB/Honors English 9	AP English Language	IB English 11 HL
English 10	NPIB/Honors English 10	AP English Literature	IB English 12 HL
English 11			
English 12			
Debate/Forensics			
SOCIAL STUDIES			
World Geography/History	NPIB/Honors World Geography/History	AP U.S. Government	IB History SL & HL (Euro)
U.S. History		AP Psychology	IB Psychology SL & HL
U.S./CO Government	NPIB/Honors U.S. History	AP Economics	IB Theory of Knowledge
Philosophy			
Sociology			
Psychology			
SCIENCE (ALL LAB BASED)			
Biology	NPIB/Honors Biology	AP Physics 1	IB Biology SL & HL
Chemistry	NPIB/Honors Chem/Phys	AP Chemistry	IB Chemistry SL & HL
Physics	College Prep Chemistry		IB Physics SL & HL
Earth Systems			IB Sports, Exercise, and Health Science SL & HL
Environmental Science			
Anatomy & Physiology			
MATHEMATICS			
Algebra 1	Honors Geometry	AP Statistics	IB Math Studies SL
Geometry	Honors Algebra 2	AP Calculus A/B	IB Math SL & HL
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
Mandarin Chinese 1-3			
Spanish for Spanish Speakers			
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.

43% of the Class of 2020 is accessing IB programming.

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 Development Center.