

# 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 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 has 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.

 **1340**  
STUDENTS

**39%**  
MINORITY STUDENTS

**5%**  
ENGLISH LANGUAGE LEARNERS

**8%**  
SPECIAL EDUCATION STUDENTS

**20%**  
FREE & REDUCED LUNCH

## Student Achievements

Class of 2022

- SAT Composite Score: 1106
- \$23,497,000 awarded scholarship dollars
- 99 percent of IB Diploma Candidates received their IB Diploma
- 585 AP exams administered
- 54 graduates received the Seal of Bilingual

Overall Achievements

- Niwot High School has won 32 team state championships, 36 state runner-ups and over 150 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):** 27 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 the 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 NC, 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 | A 4.0      | A 4.5        | A 5.0                 |
| B 3.0 | B 3.0      | B 3.5        | B 4.0                 |
| C 2.0 | C 2.0      | C 2.5        | C 3.0                 |
| D 1.0 | D 1.0      | D 1.5        | D 2.0                 |
| F 0.0 | F 0.0      | F 0.0        | F 0.0                 |

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

94%

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

# 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.

46 percent of juniors and seniors are accessing at least one IB class.

78 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 the Career Elevation and Technology Center.