

Niwot High School Profile

FOCUS

International Baccalaureate (IB)

CONTACT INFORMATION

8989 E. Niwot Rd, Niwot, CO 80503

Phone: 303-652-2550

Fax: 720-494-3929

Website: nhs.svvsd.org

CEEB: 060937

ACCREDITATION

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



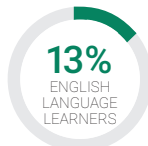
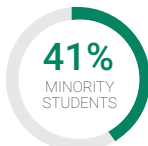
District Overview

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.

 1177 STUDENTS



Student Achievements

Class of 2020

- SAT Composite Score: 1143
- ACT Composite Score: 27
- \$15,203,027 awarded scholarship dollars
- 642 IB scores were awarded for the 200 IB Diploma or IB Course Candidates
- IB students scored above the world-wide average in 7 subjects in the May 2020 IB session
- 669 AP exams administered
- 49 graduates received the Seal of Bilingualism

Overall Achievements

- Niwot High School has won 25 team state championships, 35 team state runner ups and over 100 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): 21 weighted courses

Advanced Placement (AP): 12 weighted courses

Niwot Pre-IB (NPIB)/Honors Courses: 13 weighted courses

Concurrent Enrollment: Front Range Community College

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 | 3.5 |
| 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 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 | 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 |



88% 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 |
|----------------------------------|-------------------------------------|--------------------------------|-------------------------------------------------|
| ENGLISH | | | |
| English 9 | NPIB/Honors English 9 | AP English Language | IB English Literature 11 HL |
| English 10 | NPIB/Honors English 10 | AP English Literature | IB English Literature 12 HL |
| English 11 | | | |
| English 12 | | | |
| Creative Writing | | | |
| 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 |
| Sociology | | | |
| SCIENCE (ALL LAB BASED) | | | |
| Biology | NPIB/Honors Biology | | IB Biology SL & HL |
| Chemistry | NPIB/Honors Chem/Phys | | IB Chemistry SL & HL |
| Physics | | | 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 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 Development Center.