Skyline High
School Profile

St. Vrain Valley Schools
academic excellence by design

District Overview

St. Vrain Valley Schools is the educational 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 geographically 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.
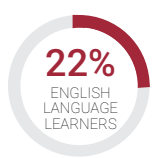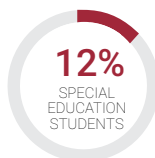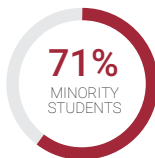
School Overview

Skyline High School educates students in a safe and empowering environment. **Our mission is to challenge students to achieve the highest levels of academic success so they may thrive in an increasingly diverse and complex world. Skyline was named as a 2021 Best High School by the US News and World Report.** We have a strong emphasis on STEM (Science, Technology, Engineering and Math) within our curriculum where students are introduced to advanced technology and equipment along with collaboration and leadership skills. All students have access to a full continuum of rigorous academic course offerings and a diverse selection of co-curricular activities. Students can also participate in the school's three focus offerings: Visual and Performing Arts Academy, STEM Academy, or FalconTech, the district's first P-TECH (Pathways in Technology Early College High School) school.

1355 STUDENTS

71% MINORITY STUDENTS

12% SPECIAL EDUCATION STUDENTS

22% ENGLISH LANGUAGE LEARNERS

62% FREE & REDUCED LUNCH

Student Achievement

- The SAT composite score for Skyline High School 2022-2023 seniors was 925.
- 225 students took 921 Front Range Community College courses in 2022-2023.
- On College Board AP exams, Skyline students increased qualifying scores by 8%.
- Skyline High School students have received state and national recognition, including Amazon Future Engineering Scholarship, Boettcher Scholarships, Daniels Fund Scholarships, and National Merit Scholarship semi-finalists.
- Over 71% of SHS students participate in arts, activities and/or athletics.
- Skyline's P-TECH Program (FalconTECH) has welcomed three new industry partners into our collaboration: Advanced Network Management (ANM), CGI Inc., and our own St. Vrain Valley Schools Technology Services (DTS) department. Together, these partners have recruited over 30 new mentors for FalconTECH, bringing fresh enthusiasm to the program.
- 238 FalconTECH students have completed internships with IBM and DTS over the last four years.
- University of Colorado College of Engineering guaranteed admissions agreement for qualified STEM graduates.
- Home of St. Vrain's STEM (Science, Technology, Engineering and Math) and VPA (Visual and Performing Arts) academies with nearly 300 accepted students.

Academic Programming and College Credit Options

Advanced Placement (AP): 20 weighted grade courses
Concurrent Enrollment Options: Front Range Community College
Honors Courses: Offered throughout 9th and 10th grade
FalconTECH: In partnership with IBM, ANM, CGI, and Front Range Community College, students have the opportunity to earn an Associate of Applied Science in Computer Information Systems at no cost to the student, concurrently with a high school diploma.

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 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 or Advanced Placement using the following grading scale:

UNWEIGHTED	HONORS	ADVANCED PLACEMENT
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

College Preparatory Curriculum

The following courses are offered at Skyline High School. Specific Traditional, Honors, and Advanced Placement (AP) classes are listed in separate columns. AP courses are considered the most difficult courses available for each subject area in which they are offered.

Traditional Offerings / Honors & Advanced Placement

ENGLISH

Traditional Offerings	Honors & Advanced Placement
English 9	Honors English 9
English 10	Honors English 10
English 11	AP English Language
English 12	AP English Literature
	AP Seminar
	AP Research

SOCIAL STUDIES

Traditional Offerings	Honors & Advanced Placement
U.S. History	Honors World Geography
U.S./CO Government	AP Human Geography
Psychology	AP U.S. Government
Sociology	AP U.S. History
Personal Financial Literacy	AP Psychology
	AP MicroEconomics
	AP MacroEconomics

SCIENCE (ALL LAB BASED)

Traditional Offerings		Honors & Advanced Placement	
Biology	Astronomy	Honors Biology	AP Physics 1/Algebra Based
Chemistry	Forensic Science	Honors Chemistry	AP Physics/Calculus Based
Physics	Geology	AP Biology	
Anatomy & Physiology		AP Environmental Science	

MATHEMATICS

Traditional Offerings	Honors & Advanced Placement	
Algebra 1	Honors Geometry	AP Calculus AB
Algebra 2	Honors Algebra 2	AP Statistics
Geometry	Honors Trig/Pre-Calculus	
Statistics		
Pre-Calculus Trigonometry		

ARTS

AP Music Theory
AP Studio Art Drawing
AP 2D Studio Art - 2D Design
AP 2D Studio Art - 3D Design

AP CAPSTONE

AP Seminar
AP Research

WORLD LANGUAGES

Traditional Offerings	Honors & Advanced Placement
Spanish 1-4	AP Spanish
Spanish for Spanish Speakers 1, 2	AP French
French 1-4	

PRACTICAL ARTS

AP Computer Science

Focus Program Offerings

STEM/COMPUTER SCIENCE

Explorations in STEM	Computer Technician I: A+
Creative Engineering	Introduction to Programming
Advanced Engineering	Introduction to Computing
Robotics	Apple Certified Mac and iOS Tech
Senior Design	Computer Science A+B
	Business Classes

VISUAL AND PERFORMING ARTS

Guitar	Percussion Ensemble
Alpine Jazz	Mariachi Ensemble
Concert Choir	Drama/Advanced Drama
Symphonic Orchestra	Beginning & Intermediate Stage Technology
Symphonic Band	Musical Theater
Jazz Band	FRCC Drawing
Allegro	FRCC Ceramics
FRCC Musci Ensemble	

FALCONTECH

Introduction to PC Applications	Computer Science+2	Introduction to Programming - CSC 119	English Composition 1
Complete PC Word Processing: Word	Complete Web Authoring	Object Oriented Programming	U.S. History Since the Civil War
Complete PC Database: Access	Web Application Development	Web Editing Tools: Dreamweaver	College Algebra
PC Spreadsheet Concepts: Excel	Linux Configuration: OS	Client Side Scripting: Software	Introduction to Business
Introduction to SQL	C++ Programming	Web Design 1	Corporate Ethics and Social Responsibility
Systems Analysis and Design 1	Advanced Java Programming		
	Internship		

FalconTECH students will take 63 college credits (in addition to high school requirements) to complete their degree.

Instructional Focus

- 20 Advanced Placement classes and AP Capstone.
- World languages in French and Spanish.
- FalconTECH students graduate in four to six years with a high school diploma from St. Vrain Valley Schools and an Associate of Applied Science degree from Front Range Community College. Students also receive mentorships and internships from IBM, and are highly-qualified for industry employment upon graduation. The AAS degree is at no cost to the students.
- Career Elevation and Technology Center: Internship opportunities and certification programs are offered at this district hands-on learning center.
- Strong business partnerships throughout the community provide resources, expertise and opportunities for students.
- Skyline partners with the district's Innovation Center where students can work on research and development projects that will prepare them for future careers in STEM.

Technology Focus

- All students have access to personal iPads.
- Courses offered with technology focus include Introduction to Programming, Introduction to Computing, Computer Science, and AP Computer Science Principles.
- FalconTECH students can choose classes in Computer Information Systems, Programming and/or Web Development.
- Students have access to a laser printer, two 3D printers, Makerspace in the library, Tech Squad participation, and Apple Certification classes at the Innovation Center.
- Skyline High School sponsors a competitive Robotics Team that competes locally, at the state level and nationally.