

Centaurus High School Vision

Our vision of a proud Centaurus Warrior community includes:

Students who demonstrate HEART: Honor, Empathy, Achievement, Respect, and Triumph.

Faculty and staff who provide an enriching, progressive, viable curriculum, and safe environment that equitably meet diverse student needs.



Graduation Requirements & Grading System

The Boulder Valley School District requires a minimum of 220 credits be earned in grades

9-12. The following credits must be earned in the areas listed below:

The school year at CHS consists of 2 semesters, 18 weeks each, with an 8 period day and a modified block schedule two days a week.

Language Arts credits 10 credits in Freshman Language Arts 10 credits in World Literature & Composition 10 credits in American Literature & Composition 5 credits in Communications 5 credits in Language Arts Elective	40	Physical Education Health Fine Arts Music, Art Practical Arts Boulder TEC, Computer, Business, Consumer & Family Studies	15 credits 5 credits 5 credits 5 credits
Social Studies 5 credits in U.S. Government 5 credits in World Geography 10 credits in U.S. History 10 credits in World History	30 credits	Approved Electives credits TOTAL CREDITS:	70 220 credits
Math (incl. Algebra 1)	20 credits	Additional Requirements Computer & Applied Technology Personal Money Management	
Science (10 life, 10 earth)	20 credits	Performance Measures Math and English Students must choose from a menu of options to demonstrate proficiency in English and Math in order to graduate.	

Grading System

Letter grades are used to indicate grades with grade points awarded to each letter as follows:

Regular GPA	Weighted GPA
A = 4 points	5 points
B = 3 points	4 points
C = 2 points	3 points
D = 1 point	2 points
F = 0 points	

Beginning in 2010 the Boulder Valley School District discontinued using class rank. Class rank is no longer calculated on transcripts and is not available for students to report on college applications.

NG=No Grade. This was a grade used during the COVID pandemic. NG is not worth credit, & does not factor into GPA.

I=incomplete
P/F=class being taken on pass/fail basis
WP=withdraw passing (not factored into GPA)
WF=withdraw failing (not factored into GPA)

Centaurus High School Mission

Our mission is to foster educated, engaged, empowered, and compassionate participants in a global society.



10300 South Boulder Road
Lafayette, CO 80026
720-561-7500
Fax 720-561-5368

Principal

Carlyn Carroll

Assistant Principal

Andrea Davidson

Augusto Di Laura

Jennifer Piggott

AP & Athletic Activities

Director

Karl Buck

Counselors

Sophia Ruiz A-E

-sophia.ruiz@bvsvd.org

Aly Shambo F-Lel

-aly.shambo@bvsvd.org

Dave Platt Lem-Rin

-dave.platt@bvsvd.org

Sarina Gonzales Rio-Z

-sarina.gonzales@bvsvd.org

Registrar/Records

Lucy Nash

Administrative Assistant

Marla Joy Leonard

Centaurus High School

High School Profile 2024-2025

- Centaurus High School offers a public comprehensive education for grades 9-12 with a staff of 75 and enrollment of approximately 1600 students.
- The 2023-2024 figures show 347 graduates, with 293 total students (84.4%) planning to enroll in higher education institutions—two or four year colleges or universities. Of those college bound students:
 - 238 graduates (68.6%) are attending four year colleges or universities
 - 55 graduates (15.86%) are attending two year community, junior colleges, or technical schools.
- The most recent information we have for our SAT scores comes from the Spring of 2024 school day testing. In April of 2024, 305 11th graders at CHS took the SAT test. The mean score for Centaurus High School was 1114; mean ERW = 569, and mean math = 545. The mean total score for Boulder Valley School District was 1121, and the mean total score for the state of Colorado was 986.
- The College Board and ACT code number is 060-865.
- The Centaurus High School student ethnic mix is 1% African-American, 64% Caucasian, 26% Hispanic, .12% American Indian, 2.8% Asian, and 5% of students identify with 2 or more races.
- Approximately 30% of the student population at Centaurus is economically disadvantaged, qualifying for the Federal Free and Reduced Lunch Program.
- Centaurus High School hosts the district Newcomers Program. This program is for emerging bilingual language learners new to the United States in the last year. There are currently 59 students enrolled.
- The GRAD+ Framework is a BVSD initiative designed to increase postsecondary opportunities in both higher education and workplace arenas. Centaurus High School GRAD+ opportunities include 3 concurrent enrollment courses taught by a FRCC professor in a CHS classroom, 7 concurrent enrollment courses taught by FRCC credentialed CHS teachers in a CHS classroom, Seal of Biliteracy, work based learning, and industry certification support. During the 2023-24 school year, CHS students accomplished the following: 85 Seals of Biliteracy earned, 1017 concurrent or dual enrollment college credits completed, 30 work-based learning accolades awarded, and 289 industry certifications earned.

The Community and Students:

Lafayette is a growing community located in the rolling hills of Colorado's Front Range; 11 miles east of Boulder and 20 miles north of Denver. Boulder County is noted as a university and research center with several large corporations and many high tech industries in the vicinity. The Boulder Valley School District encompasses 752 square miles of Boulder County including mountain, urban, and plains areas. The median household income in Lafayette is \$105,819, and 65.73% of residents in Lafayette are college educated.

4 Year Advisory Program:

Centaurus High School has a 4 year advisory program. Students meet with their advisory in a small class setting once per week. Centaurus is unique in that we incorporate the state-required ICAP requirements, along with critical skills into the advisory curriculum. Critical skills help to prepare students for life after high school through academic, personal and career-related lessons. The advisory class is worth 2.5 credits per semester and is worth an unweighted letter grade.

Programming at CHS

The teaching staff at Centaurus realizes the importance of a well-rounded education. Centaurus High School is an Engineering Focus School and an International Baccalaureate School that provides an environment rich in academia. Our International Baccalaureate, Advanced Placement, Engineering, AVID, elective, and extra-curricular programs ensure that each of our students is prepared for a competitive future. These programs provide students the most rigorous coursework in preparation for highly academic majors at the university level.

Centaurus High School Course Offerings

To read full course descriptions, please visit: <https://ceh.bvsvd.org/counseling/courses>

Language Arts Language Arts 9 Pre-IB Language Arts 9 English Language Arts 10 Pre-IB Language Arts 10 English Language Arts 11 AP Language & Composition AP Literature & Composition Yearbook Communication in Society Discussion & Debate Film Literature Creative Writing Mythology Theatre 1, 2 Reader's Workshop English Language Development Culturally Linguistic Developmental Education IB Literature 11 HL IB Literature 12 HL IB Theory of Knowledge (TOK)	Social Studies U.S. Government World Geography AP Human Geography AP Government World History AP World History U.S. History AP U.S. History Psychology Sociology IB World History SL & HL Business Finance Introduction to Business *Principals of Marketing Intro to Entrepreneurship Marketing for the Entrepreneur Consumer/Family Studies Catering 1 & 2 Interpersonal Relationships Miscellaneous AVID 9-12 Horizons	Math Pre-Algebra Algebra 1 Geometry Pre-IB Geometry Algebra 2 Pre-IB Algebra 2 Pre-Calculus Advanced Pre-Calculus Statistics Problem Solving AP Statistics AP Calculus AB AP Calculus BC IB Math Studies SL IB Math Analysis 2 Engineering Introduction to Engineering Design Design & Manufacturing (Robotics) Biotechnical Engineering Civil & Architectural Eng. AP Computer Science Aerospace Engineering Engineering Design & Dev. IB Design Technology SL & HL IB Computer Science SL & HL	Science Physical Science *Pre-IB Chemistry/Physics Biology Pre-IB Biology Anatomy/Physiology Earth/Space/Geological Science Chemistry Physics AP Biology AP Chemistry AP Physics IB Chemistry I IB Biology 2 SL & HL IB Physics SL & HL IB Environmental Systems & Societies SL Physical Education Issues in Health Wellness in Action Weight Training 1 & 2 Bowling Aerobic Walking Team Sports Yoga Basketball Soccer Unified PE	World Languages French 1-3 Pre-IB French 2 & 3 IB French 4 & 5 SL & HL Spanish 1-3 Pre-IB Spanish 2 & 3 Spanish for native speakers Spanish Language Arts Adv Spanish 4 *AP Spanish 5 AP Spanish Language & Culture IB Spanish 4, 5 & 6 SL & HL American Sign Lang. 1-4 Art *Arts of the World Art of Animation Drawing & Painting 1-4 Pottery & Sculpture 1-4 Commercial Photography 1-4 Digital Art & Design (Photography) 1-4 IB Visual Arts SL & HL Music Concert Choir Select Choir Band 1, 2 & 3 Jazz Band Orchestra *IB Music Theory *IB Music SL & HL
---	--	---	--	--

All Advanced, AP, IB, and concurrent enrollment courses receive one extra quality point in grade calculation. According to Boulder Valley School District policy, this weighted grade scale will be implemented and used externally for college admission and internally for determining high school grade point average and eligibility for school academic awards and honors.

Weighted Courses

Beginning with the 2024-2025 school year, the Boulder Valley School District is using SCED (School Courses for the Exchange of Data) codes and course titles. SCED codes are a common classification system that secondary schools can use to standardize courses and the associated codes so that readers can easily compare course information and records. The class of 2025 will have mid year and final transcripts reflective of these changes for only the current school year.

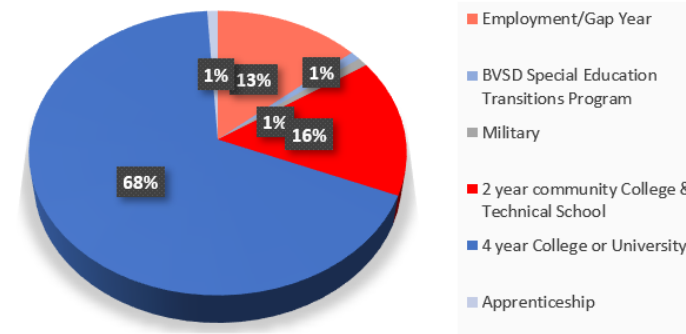
Engineering Courses	PIB & Advanced Courses	PIB & Advanced Courses cont.	AP Courses	AP Courses	IB Courses cont.
Introduction to Engineering	Pre-IB Language Arts 9	Spanish Language Arts	AP Human Geography	AP Biology	**IB Biology SL & HL
Design & Manufacturing	Pre-IB Language Arts 10	Pre-IB Biology	AP Government	AP Physics 1	**IB Math Analysis SL & HL
Civil & Architectural Engineering	Pre-IB Geometry	AP Courses	AP U.S. History	**AP Physics C	**IB Spanish 4, 5, & **6 SL & HL
Aerospace Engineering	Pre-IB Algebra 2	**AP Computer Science	AP World History	**AP Chemistry	IB Spanish 4, 5, & **6 SL & HL
Biotechnical Engineering	Pre-Calculus Advanced	AP Spanish Language & Culture	AP European History	**AP World History SL & HL	IB French 4 & **5 SL & HL
Computer Sci & Software Engineering	*Pre-IB Chem/Physics	AP Statistics	AP Language & Comp	IB Theory of Knowledge (TOK)	**IB Physics SL & HL
**Engineering Design & Development	PIB Spanish 2 & 3	AP Calculus AB	**AP Literature & Comp	**IB Visual Arts SL & HL	**IB Computer Science SL & HL
	PIB French 2 & 3	**AP Calculus BC	AP Biology	IB Environ Systems & Societies SL	**IB Design Technology SL & HL
				**IB Literature HL	**IB Chemistry SL & HL

*Course no longer offered, but was available during the class of 2025's time at CHS

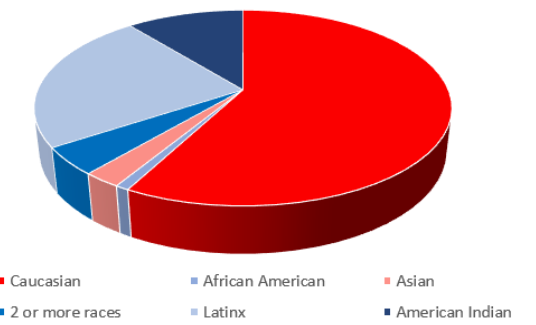
**Highest course taught in subject area.

Centaurus By The Numbers

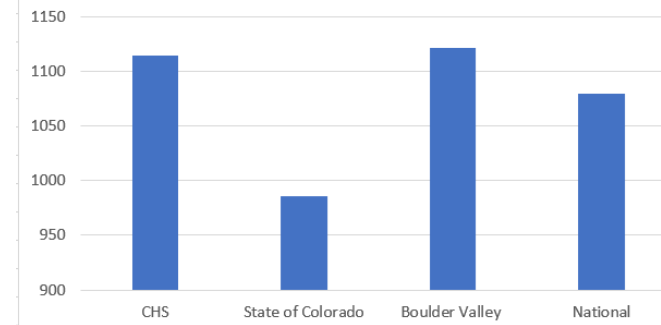
CHS Class of 2024 Post Grad Planning



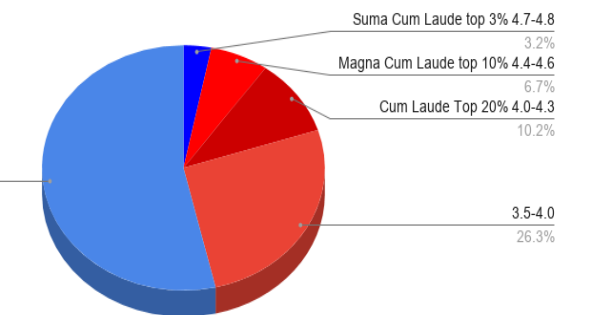
Demographic Data



Centaurus SAT Scores Class of 2025



Centaurus High School Grade Distribution



Advanced Programming at CHS

IB Program

- Centaurus' IB Diploma Program is a full diploma program of two years of study in the junior and senior years.
- Centaurus' IB Diploma students excel at the collegiate level due in part to the strengths they have cultivated through our IB program; they are critical thinkers, collaborators, and leaders. They are academically curious and resilient.
- Centaurus Graduates consistently earn the IB Diploma at a higher percentage than the world average. 2024 CHS IB Diploma earn rate was 94%, 14 percentage points above the world average.
- 15% of the CHS Class of 2024 IB Diploma Candidates are students of Hispanic ethnicity or multiple ethnicities; 100% of these students earned the IB Diploma
- 2024 CHS IB Graduates were awarded 6.3million dollars in scholarships.
- There are currently 100 IB Diploma Candidates enrolled in the CHS IB Diploma program in 2024-2025.

AP Program

- In 2019, there are 782 AP course enrollments at Centaurus High School across the 14 available AP subjects.
 - There are no limits to the number of AP classes a student can take. There are no applications, pre-requisites, or other barriers to students accessing the AP curriculum at CHS.
- In 2019, 45 total Centaurus students earned an AP Scholar distinction:
- 16 AP scholars
 - 15 AP scholars with Honor
 - 13 AP Scholars with Distinction
- In the past 3 years, 5 students have been awarded National AP Scholar recognition.
- * At Centaurus High School, 67% of all AP exams taken earn scores of 3 or higher.

Engineering Program

- Centaurus Engineering students solve real world engineering problems in a creative, collaborative, and project based environment.
- Over 475 students are currently enrolled in the program. Students design and build models using industry CAD software, and experiment with electronics and computer programming.
- The student laboratory is equipped with 3D printers, a laser engraver, two CNC machines, and a wind tunnel. Throughout their four years in the program, students connect with industry and academic partners in the classroom, on industry tours, through joint design projects, science fairs and expositions. Graduates pursuing careers in engineering are accepted to highly ranked four-year university engineering programs across the country.