



CORAL ACADEMY OF SCIENCE LAS VEGAS 2018-2019 SCHOOL PROFILE

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SCHOOL

Coral Academy of Science Las Vegas is a state sponsored tuition free public charter school located in Henderson within the Las Vegas Valley; serving as a zone free, public, college-prep charter school for grades K-12 CASLV has a rigorous college prep curriculum with an emphasis in the areas of Math, Science, and Technology.

Coral Academy of Science Sandy Ridge Campus (9-12), has a diverse student body with a population of 41% White, 17% Hispanic, 7% African-American, 22% Asian and 13% others.

Coral Academy of Science opened its doors to students in the 2007-2008 academic year as a 3rd – 9th grade school and has continually built its grade range. While the Sandy Ridge Campus has a total of 810 students, the high school consists of 455 students. CASLV had five graduating classes and the class of 2018 had 64 seniors.

Coral Academy of Science offers a College Prep curriculum through a mandatory course for its junior students. In this course, students are taught of time management and test taking skills by teachers trained in these areas. Part of this course is being taught by the school college counselor to cover topics like, career options, getting to know yourself, college types, college application process, scholarships, etc.

All senior students at CASLV have to prepare a senior research project. This is a 10 to 15 page research paper that includes a works cited page and is completed in the APA/MLA format. The project also constitutes a 40 minute presentation with a 15 minute question and answer period in front of a committee of three faculty members. The presentation should be utilizing technology as well as a well-structured oral presentation.

CASLV holds chapters of clubs such as National Honor Society, Key Club, American Red Cross, Model United Nations, and also has an extensive mentorship program, College Mentorship and Leadership Program (CMLP) towards the Congressional Award.



MISSION STATEMENT

The mission of CASLV is to provide a safe, rigorous college preparatory environment that promotes social responsibility and a culturally diverse community dedicated to becoming lifelong learners bound for success.



AWARDS AND RECOGNITIONS

Nevada Department of Education - Reward School in 2015 - 2016
Nevada Department of Education - Five Star School in 2015 - 2016
Nevada Department of Education - Quality School in 2015 - 2016
Washington Post Most Challenging High Schools #6 in Nevada (2017)
US News Best High School #6 in Nevada (2017)
Nevada Department of Education - Five Star School in 2016 - 2017
Nevada Department of Education - Five Star School in 2017-2018

CASLV is fully accredited by AdvancED, and is authorized by Nevada State Public Charter Schools Authority



CURRICULUM

Coral Academy of Science Las Vegas prepares students for college and offers students to accumulate credits that they will need not only to graduate but also be competitive in post-secondary education. The regular course load per student per year is six credits but some students may take seven credits per year depending on their academic background and needs. The students attend 50-minute classes. CASLV offers AP Courses, PLTW Courses, Honor Classes, online classes. Students have the opportunity to have dual-credit.



ADVANCED PLACEMENT AND HONORS COURSES

Coral Academy of Science Las Vegas offers advanced Placement courses and/or Honors courses to eligible students. CASLV offered 17 AP courses and 12 Honors courses in 2017-2018 school year. There is a cap to take AP courses for the students. Students could get maximum two AP courses in sophomore year, three AP courses in junior year and four AP courses in senior year. Below is the list of Honors and AP courses that CASLV offered.

ADVANCED PLACEMENT COURSES: (13)

English Lang. and Comp.	Physics C: Mechanics
English Lit. and Comp.	Calculus AB
AP Seminar	Calculus BC
Human Geography	Statistics
World History	Spanish Language
U.S. History	Spanish Literature
U.S. Government	Studio Art: 2D Design
Biology	Economics
Chemistry	

HONORS COURSES: (12)

Algebra I	English I
Geometry	English II
Algebra II	Spanish II
Pre-Calculus	Spanish III
Biology	Debate III
Chemistry	Debate IV



GRADE POINT AVERAGE (GPA) CALCULATION

GPA is computed using the above qualitative points. Beginning with grade nine, all subjects, whether passed or failed, are included in the computation. In order to advance from 9th to 10th grade, a student must earn a minimum of five (5) credits. A minimum of eleven (11) credits is required to reach grade 11 and at least seventeen (17) credits must be earned for grade 12.

A minimum of 22.5 credits is required for graduation. Honors classes are weighted by 0.025; and AP courses are weighted by 0.05 point per semester. Grades are recorded on the transcript and GPA is computed in January and May.

Class Rank: The class rank will be calculated at the end of the fall semester of the senior year. Weighted GPA with bonus points will be used to determine the valedictorian and salutatorians. More than one student can share class rank.

The standard GPA 4.0 grading scale is as follows:

A=4.0 (90-100%), B=3.0 (80-89%), C=2.0 (70-79%), D=1.0 (60-69%), and F=0 (below 60%)



CLASS OF 2017 GRADE DISTRIBUTION

The cumulative Grade Point Average (GPA) include eight semesters, grades 9-12. There are 64 students in Class of 2018.

	<u>GPA (UNWEIGHTED)</u>	<u>NUMBER OF STUDENTS</u>
A	4.00—3.50	25
B	3.49 - 3.00	18
C	2.99 - 2.00	21



ADVANCED PLACEMENT DATA FOR 2018

A total of 173 students took 362 exams with a 48% increase compared to last year. The statistics are as follow:

School totals	5	4	3	2	1	Total Exams
Number of Exams	69	115	102	59	17	362
Percentage of Total	19%	32%	28%	16%	5%	100



CASLV GRADUATION REQUIREMENT

COURSES	DIPLOMA TYPES		
	STANDARD	ADVANCED	HONORS
LANGUAGE ARTS	4	4	4
MATHEMATICS	3	4	4
SCIENCE	2	3	3
WORLD HISTORY	1	1	1
US HISTORY	1	1	1
US GOVERNMENT	1	1	1
PHYSICAL EDUCATION	2	2	2
COMPUTER LITERACY	0.5	0.5	0.5
HEALTH	0.5	0.5	0.5
ART AND HUMANITIES	1	1	1
ELECTIVES	6.5	7	5
FOREIGN LANGUAGE	NA	NA	2
TOTAL CREDITS	22.5	24	24
REQUIRED U/W GPA	NA	3.0	3.4

SCHOLARSHIPS & AWARDS

AWARD	# of Recipients
National AP Scholar	1
AP Scholar with Distinction	28
AP Scholar with Honor	14
AP Scholar	30
Presidential Scholarship	1
Congressional Award - Gold Medal	2

Graduation Rate: 100%
4-year college/university acceptance: 71%
2-year community college attendance: 17%



Class of 2017-2018 COLLEGE ACCEPTANCES

Arizona State University
 Baker University
 Biola University
 Boston University
 Cal Poly Pomona
 Carleton College
 Carthage College
 Drexel University
 Duquesne University (Honors)
 Florida State University
 Georgetown University
 Grand Canyon University
 Hollins University
 Idaho State University
 Kenyon University
 Lewis & Clark College
 Macalester College
 MIT

New Mexico Inst of Technology
 New York University
 Northeastern University
 Northern Arizona University
 Notre Dame De Namur Univ
 Penn State , Schreyer Honors College
 Pitzer College
 Purdue University
 Reed College
 Rensselaer Polytechnic Institute
 Rose-Hulman Inst of Tech
 Rutgers Univ-New Brunswick
 Saint Leo University
 Southern Utah University
 Syracuse University
 University of Arizona
 University of California Irvine
 University of California Los Angeles

University of California San Diego
 UMD, College Park
 University of Nevada Las Vegas
 University of Nevada Reno
 University of North Florida
 University of Oregon
 University of Portland
 University of Texas, Austin
 University of Utah
 Utah State University
 Virginia Commonwealth Univ
 Weber State University
 USMA (West Point)
 Westminster College
 Whittier College
 Whitworth University
 Willamette University