



# CORAL ACADEMY OF SCIENCE LAS VEGAS 2020-2021 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 38% White, 18% Hispanic, 7% African-American, 23% Asian and 11% two or more races and 3% others.

Coral Academy of Science opened its doors to students in the 2007-2008 academic year as a 3<sup>rd</sup> – 9<sup>th</sup> grade school and has continually built its grade range. While the Sandy Ridge Campus has a total of 850 students, the high school consists of 600 students. CASLV's class of 2021 consists of 106 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 25 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

US News Best High School #4 in Nevada (2020)  
US News Best High School #6 in Nevada (2017)  
Nevada Department of Education - Five Star School in 2018 - 2019  
Nevada Department of Education - Five Star School in 2017 - 2018  
Washington Post Most Challenging High Schools #6 in Nevada (2017)

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 21 AP courses and 12 Honors courses in 2019-2020 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: (21)

### HONORS COURSES: (12)

English Language	Comp Government	Statistics	Algebra I	English I
English Literature	Environmental Science	Studio Art: 2D Design	Geometry	English II
AP Seminar	Biology	Economics	Algebra II	Spanish II
AP Research	Chemistry	Psychology	Pre-Calculus	Spanish III
Human Geography	Physics C: Mechanics	Computer Sci. Prin.	Biology	Debate III
World History	Physics C: E&M	Computer Sci: Java	Chemistry	Debate IV
U.S. History	Calculus AB			
U.S. Government	Calculus BC			



## 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 2020 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>
<b>A</b>	4.00—3.50	41
<b>B</b>	3.49 - 3.00	34
<b>C</b>	2.99 - 2.00	18



## ADVANCED PLACEMENT DATA FOR 2020

A total of 280 students took 529 exams, which constitutes 55% of the HS population. The statistics are as follow:

School totals	5	4	3	2	1	Total Exams
Number of Exams	92	127	160	93	57	529
Percentage of Total	17%	24%	30%	18%	11%	100



## CASLV GRADUATION REQUIREMENT

COURSES	DIPLOMA TYPES		
	STANDARD	ADVANCED	HONORS
LANGUAGE ARTS	4	4	4
MATHEMATICS	4	4	4
SCIENCE	3	3	4
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	5	7	4
FOREIGN LANGUAGE	NA	NA	2
TOTAL CREDITS	23	24	24
REQUIRED U/W GPA	NA	3.0	3.4

## SCHOLARSHIPS & AWARDS

AWARD	# of Recipients
National AP Scholar	6
AP Scholar with Distinction	39
AP Scholar with Honor	22
AP Scholar	40
National Merit Finalists	4
Congressional Award - Gold Medal	4

Graduation Rate: 97.5%  
 4-year college/university acceptance: 73%  
 2-year community college attendance: 17%



## RECENT COLLEGE ACCEPTANCES

American University  
 Amherst College  
 Arizona State University  
 Baker University  
 Biola University  
 Boston College  
 Boston University  
 Brown University  
 Cal Poly Pomona  
 Carleton College  
 Carrol College  
 College of New Jersey  
 College of William and Mary  
 Colorado School of Mines  
 Concordia University  
 Cornell University  
 Dartmouth College  
 Duke University  
 Embry Riddle  
 Emerson College  
 Emory University

George Mason Univ  
 Georgetown University  
 George Washington University  
 Georgia Inst of Technology  
 Lehigh University  
 Lewis and Clark College  
 Marquette Univ  
 MIT  
 New Mexico Inst of Technology  
 New York Inst of Tech  
 New York University  
 Northeastern University  
 Northern Arizona University  
 Notre Dame De Namur Univ  
 Penn State, Schreyer Honors College  
 Pepperdine University  
 Pitzer College  
 Purdue University  
 Rensselaer Polytechnic Inst  
 Rose-Hulman Inst of Tech

Rutgers Univ-New Brunswick  
 St John's University  
 Stevens Institute of Tech  
 Stony Brook University  
 Syracuse University  
 Trinity College  
 Tufts University  
 University of Arizona  
 University of British Columbia  
 UC Berkeley  
 UC Davis  
 UC Irvine  
 UCLA  
 UC Riverside  
 UCSD  
 UC Santa Cruz  
 University of Chicago  
 UC Boulder  
 Univ of Denver  
 University of Kansas  
 Univ of Mass, Amherst

UMD, College Park  
 University of Miami  
 UNLV  
 UNR  
 University of Oregon  
 UPENN  
 University of Portland  
 University of Puget Sound  
 University of Rhode Island  
 University of Rochester  
 Univ of San Francisco  
 USC  
 University of Texas, Austin  
 University of Utah  
 University of Washington  
 Utah State University  
 USMA (West Point)  
 Vanderbilt University  
 Washington Univ in St Louis  
 Whittier College  
 Yale University