Architecture, Construction & Engineering
CHARTER HIGH SCHOOL
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School Profile
2014-2015
CEEB code: 054495

School and Community Profile:

At ACE Charter High School, we specialize in ensuring that all of our students are college and/or career ready, within the fields of architecture, construction, and engineering. We are a small charter school, located at the airport in Camarillo. Any student that attends ACE, travels a good distance and it's on account of the interest in one of our three themes of study or the link to a small school setting. Additionally, when ACE was chartered by Oxnard Union High School District, the Oxnard Federation of Teachers and the District implemented parameters for student selection, more specifically defined by no incoming 9th grade students could attend the school during the first year ACE would be opened.

For the first two years that the school was open, (2010-2011 and 2011-2012) ACE saw a drastic decrease in test scores and graduation percentages. In 2012-13, ACE changed administration and in June of 2013, we began as the new identity of ACE. The demographics are %55 Hispanic or Latino, %38 White Non-Hispanic, and a smattering of Asian, Pacific Islander, and African American students, complete the remainder of the student population. ACE has maintained an average of 45% free/reduced students, making us a title I school from year one. We do have now, a structured interview process for incoming students and this has transformed the culture and enabled rigor here at ACE.

Although it is the smallest of these schools, its staff is second-to-none, taking full advantage of being able to know our students, coupled with the desire to offer them as much as possible and to push all students to succeed. Our greatest strengths are our dedicated staff and the personalized experience we offer students and families, which has yielded many positive results.

ACE Charter High School is currently working on getting accredited through the Western Association of Schools and Colleges (WASC). The school's highly qualified teachers work hard to offer a wide variety of high-academic, support and elective courses.The school has recently launched an initiative in which every student is issued a Samsung Chromebook. ACE has also purchased the google education software which encompassed the gamut of educational apps and related software, in addition to contracting with Pearson E-Texts for all core courses. ACE has the Pearson textbooks for architecture, construction, and engineering courses as a resource, thus ensuring that our school's curriculum is common core based, and fused across the curriculum as often as possible. ACE uses a project and problem based learning approach, and the teachers make every attempt to incorporate hands-on learning into their classes regularly. Currently, ACE has 4 courses articulated with Ventura College in which students can obtain up

to 12 college credits here at the school for free. We partner with ROP/CEC of Ventura County, in order to offer more choices for students to expose themselves to prior to graduation so they make the most educated choice for post high school routes to travel down. Finally, ACE requires their students to embark upon an internship during their senior year, which mandates that they not only accumulate 75 hours within the field of their area of interest, but they are also to complete an in-depth project in which they defend a thesis that is a direct reflection of the internship experience. The internship is a culmination of 3 years of a track of study, revolving around one of the 3 themes of the school, and they finish the sequence of classes prepared to go into the internship with at a minimum – the basics of what the company requires.

The core curriculum at ACE, includes the full package of the four major subject areas. In English, we have an honors section to accompany each grade level class, as well as a yearbook/journalism course. In the social sciences, we mandate a year of geography, offer world civilization as well as AP European History, U.S. History, and Economics and American Government. In Math, we switched to the integrated model and are phasing out algebra, geometry, algebra 2 trigonometry, and pre-calculus into Math I, Math II, and Math III, as well as math for programming as the highest level offered. In Science, we offer Earth Science, Biology, and Physics. Students who request courses that we do not offer, can take online classes at BYU, or ACE actively participates in MOOC which we fully endorse and support our students who are registered in these classes.

Graduation Requirements for the Class of 2015:

Students must complete 230 credits to graduate. The course requirements include 40 credits in English, 10 credits in World History, 10 credits in U.S. History, 10 credits in Government/Economics, 20 credits in Physical Education, 30 credits in Science, 30 credits in Math, 20 credits in Fine Arts or Foreign Language, 10 credits of Computer Drafting, 10 credits of Construction Techniques, and 40 credits of electives, as well as passing the California High School Exit Exam.

Grading System:

Letter grades of A, B, C, D, and F are used on a 4.0 un-weighted scale. The transcript contains both weighted and non-weighted GPA's including Academic GPA, which excludes freshmen grades and all physical education grades.

Class Ranking:

Class ranking is determined by total un-weighted GPA in grades 9-12.

Master Schedule:

ACE Charter High is on a compressed four-by-four block schedule split in to an A-day and B-day, then spit into two 18-week terms. Students are enrolled in eight classes each term.

Curriculum:

The high school program consists of a full schedule of college preparatory classes, as well as:

- Honors English 4, Honors English 3, Advanced Placement European History
- Tutorial classes are taught each day for all grade levels.

· A Career Technical Educational program that includes Art and Architecture, Drafting Fundamentals, AutoCAD, Building and Materials, Framework and Masonry, Introduction to Engineering, Revit, Engineering Robotics, and access to an extensive ROP program.

Advanced Placement:

Being small, we did not offer any AP classes during the 2013-14 school year, although students were able to enroll in Ventura or Onxard College classes and in some instances enroll in AP courses concurrently at other school site or through BYU Independent Study Programs. In the 2012-13 school year we offered AP Calculus. The 2014-2015 school year we are offering AP European History. A student may take an additional AP course at one of our school sites in the district. This school year we have 3 students taking an AP course at another campus.

Post High School Placement:

The percentages of the Class of 2014 who were accepted to various colleges are as follows.

· 5% 4-year Colleges and/or Universities
· 75% 2-year Community Colleges
· 15% Work, vocational, technical, or trade school
· 5% Military

Extra & Co-Curricular Activities:

ACE Charter High students have a range of opportunities to participate in extra and co-curricular activities including Leadership Club, Robotics Team, Community Service Club, LEO's Club, Gamer Club, Journalism, Yearbook and the following sports (Football, Boys and Girls Basketball, Girls Volleyball, Cross Country, Girls Soccer, Softball, Baseball, Cheerleading,
Wrestling, & Golf) at their whatever their 'home boundary' school would have been, since we do not have an athletics program at our school site.