

# El Camino High School, Oceanside, CA

Before Oceanside High School adopted CPM, many of its students would never have made it through a traditional Geometry class. Now they are finishing Algebra 2, with many of them going on to take Math Analysis (Pre-Calculus). All students must take Geometry to graduate and most students are successfully completing the course. Enrollment in higher-level courses has shown significant growth.

- 1986: One Pre-Calculus Class, three Algebra 2 classes are offered in the school.
- 1992: Teachers decide to pilot College Preparatory Math (CPM-UC Davis Program)
  - Six classes of Algebra 1 were given to the pilot program. These classes consisted of students who had either failed Algebra 1 or who were 9<sup>th</sup> grade students who did not qualify for traditional Algebra 1.
  - At the end of the year, students told visiting teachers what they liked about the program. For the first time they understood factoring and the story “word” problems were their favorite. All students for the first time had success in Algebra.
- 1993: Two of the three teachers continue the pilot with the next course: Geometry.
- 1994: Two CPM Algebra 2 classes were offered. These students were the ones who had completed the initial Algebra 1 Pilot course.
  - CPM Algebra 1, Geometry and Algebra were offered to all students.
  - More students were taking higher-level math classes: two pre-calculus, five Algebra 2.
- 1999: AP Calculus is offered. 100% of the students pass with a score of 5
- 2003: AP Statistics is offered
- 2004: Four AP Math Classes, five Math Analysis/Pre-Calculus Classes, 14 Algebra 2 (Intermediate Algebra) classes are offered.
- 2004: In December 2004, four high schools were selected by the U.S. Department of Education for “closing the achievement gap” between minority and non-minority students in Mathematics/English. ECHS was acknowledged for a 24 percentage point reduction in the math achievement gap for Hispanic students. ECHS is the one school that closed the achievement gap in Math for both African American (13% points) and Hispanic students and had the highest holding power of students from 9<sup>th</sup> grade to 12<sup>th</sup> grade (95%).

## Number of courses offered—API “Proficient and Advanced 9<sup>th</sup> Grade Algebra 1

Year	Algebra 2	Pre-Calc	AP courses	API Test Yr	ECHS	District	County	State
1986	3	1	0	2004-05	25%	18%	15%	16%
1994	5	2	0	2005-06	28%	19%	20%	19%
2004	14	5	4	2006-07	32%	24%	19%	17%

**2007 API score:** ECHS 741      Average of 10 comparison schools: 701      difference: +40

AP Calculus	2000	2001	2002	2003	2004	2005	2006
5	9	11	16	17	21	19	24
4	6	9	4	9	9	6	8
3		6	1	1	6	5	4
2		1	1		2	5	1
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