

Alameda Science & Technology Institute



**Presentation to the Board of Education
August 26, 2014**

Vision

Vision Statement

To ensure ALL students, especially those who are underrepresented, are provided the resources to attain a college degree from the institution of their choice and become responsible, proactive, and empowered global citizens with a life-long love of learning.

ASTI Students Collaborate to Complete Difficult Tasks



2013-14 in Review

Achievements

- 100% CAHSEE pass rate
- U.S News Bronze
- CBEE STEM School

Senior Outcomes

- 40% of senior class earned an AA degree from COA
- 59% of senior class completed IGETC requirements
- Seniors earned an average of 58 college credits
- Seniors maintained an average college GPA of 3.29
- 31 of 44 seniors are attending 4-year colleges
- 8 of 44 seniors are attending 2-year colleges
- 1 senior enlisted in US Navy
- 2 seniors will study overseas (gap year in S. Africa followed by University of Exeter Cornwall Campus, and Tribhuvan University pre-med in Nepal)

Members of Class of 2014



2013-14 Assessments in Transition

CST: 10th Grade Life Science

- 93% Proficient or Advanced; down 1 point from 2013 = 94%
- Well above 7 year average of 87%

EAP: CSU Math & English Readiness

- ELA: 7 out of 11 tested Ready or Conditionally Ready
- MATH: 26 out of 30 tested Ready or Conditionally Ready

Members of Class of 2015



Direction = Forward

- Aiming high: college-readiness focus
- Rigor of Curriculum
- Continuity of faculty
- Staff Collaboration
 - Define college readiness
 - Develop a teaching & assessment tool
 - Identify overlaps with Common Core

Meeting Whole Student Needs

- ASTI Garden
 - Open air science classroom
 - Collaboration across disciplines
 - Global-Local awareness
- Math
 - Coordinated Seminar & Tutoring
- Support
 - Collaboration with Tri-High: Bridge Groups & whole class presentations

Meeting Students' Needs: College Competitive

Course Offerings

- Spanish 3 & Calculus increase college choice

Highlight on Extracurriculars

ASTI for Humanity

- Community Relations— Thanksgiving and Mother's Day Baskets for Women's Shelter
- Annual Pasta Feed-- \$500 to Typhoon Haiyan Habitat for Humanity

Members of Class of 2016



Focus on SAT Performance (Averages)

Test	Class of 2013	Class of 2014	Class of 2015
10th Grade PSAT	135	148.7	159.1
11th Grade PSAT	148.2	165.3 N = 38	168 N = 38
11th Grade Full Course		1655.2 N = 21 (38)	
Highest 11th Grade SAT	1570 N = 27 (41)	1702 N = 28 (38)	1712 N = 30 (39)
Highest Overall SAT	1605 N = 34 (41)	1730 N = 37 (41)	

Preliminary Boot Camp Results

Diagnostic 05/18/2013	Post 06/13/2013	Score Increase	% gain in score
1515	1622.5	107.5	7.88%

Monday is the new SATurday

Focus on SAT Performance Continued

Embedding SAT preparation throughout the curriculum (Work in progress)

- Monday is the new SATurday: SAT I and SAT II
- Preparatory courses for 10, 11, 12 via partnership w/nonprofit
- Focused review in seminar courses (i.e. Etymology)
- SAT II preparation throughout core courses:
 - Biology
 - World History
 - US History
 - Algebra II/Pre-Calculus
- Goal: Test-ready by summer following completion of course

Members of Class of 2017



2014-15

Collaboration with College of Alameda

Aligning Expectations and Curriculum

- Invitation of COA faculty to staff meetings
- Staff observations of COA courses in specific academic disciplines
- Attendance at conferences with COA staff
- Further revision of ASTI rubrics to reflect college expectations
- Ongoing modification to format of Junior/Senior seminar courses
- Counseling Connection
- Courses: LIS

Summary

2014-15: Moving Forward

Major Goals

- Engage in focused Common Core transition and implementation
- Improve alignment of assessments to COA expectations
- Improve SAT score averages on both SAT I and II – with added goal of encouraging ALL students to test in both SAT I and II
- Collaboratively develop our understanding and practice of formative assessment
- Build upon parent/guardian collaboration

The End

