

**ALAMEDA UNIFIED SCHOOL DISTRICT
BOARD AGENDA ITEM**

**EXHIBIT
F-1**

Meeting Date: August 23, 1011

Item Title: Highlighting Alameda Unified School: Alameda Science & Technology Institute (ASTI)

Item Type: Information

BACKGROUND: This presentation will provide a brief review of ASTI's key outcomes from the 2010-11 school year and a look ahead to the major goals of the program for 2011-12. These include a variety of curriculum revisions and additions, all supporting the school's mission of preparing students for early entrance and successful completion of college.

FISCAL ANALYSIS: Not Applicable

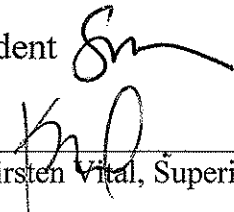
☐ General Fund
☐ Categorical Funds
☐ Parcel Tax Funds
\$ _____ [Savings] [Cost]
_____ Department Budget

RECOMMENDATION: This item is presented for information only.

AUSD Guiding Principle: 1. All students have the ability to achieve academic and personal success. 2. Teachers must challenge and support all students to reach their highest academic and personal potential. 3. Administrators must have the knowledge, leadership skills and ability to ensure all students succeed. 4. Parental involvement and community engagement are integral to the success of all students. 5. Accountability, transparency and trust are necessary at all levels of the organization. 6. Allocation of funds must support our vision, mission and guiding principles.

Submitted by: Sean McPhetridge, Assistant Superintendent

Approved for Submission to Board of Education


Kirsten Vital, Superintendent

Alameda Science & Technology Institute (ASTI)



**Presentation to the Board of Education
August 23, 2011**

ALAMEDA UNIFIED SCHOOL DISTRICT
Excellence & Equity For All Students

Vision and Mission

***Drafts in progress – to be further developed with
students, families, and partners***

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.

Mission Statement

- To prepare a diverse population of students for early entrance and successful completion of college by facilitating their development of the required content knowledge, academic skills, leadership abilities, and technological proficiency through providing them academic equality, highly qualified teachers, rigorous instruction, research-based programs, and state-of-the-art technology.

2010-11 in Review

A 'Rollercoaster' Year

- Staff turbulence
- 100% CAHSEE pass rate

Senior Outcomes:

- 60% of senior class earned an AA degree from COA
- 70% of senior class completed IGETC requirements
- Seniors earned an average of 66 college credits
- Seniors maintained an average college GPA of 3.13
- 21 of 29 seniors are attending 4-year colleges
- 8 of 29 seniors are attending 2-year colleges

2010-11 in Review

CST Results

Percentage of Students Scoring within Proficiency Band

Content Area	FBB	BB	B	P	A	Total Proficiency
ELA 9 th	0	0	4	33	63	96
ELA 10 th	0	2	6	30	62	92
ELA 11 th	0	0	24	39	37	76
Geometry	4	15	33	37	11	48
Algebra II	2	15	34	28	21	49
HS Math	0	40	25	23	13	36
World Hist.	0	2	20	38	40	80
US Hist.	3	11	32	42	13	55
Biology	0	0	13	21	66	91
Life Sci.	0	2	6	31	60	87

2010-11 in Review

CST Results

- Math remains a target area for growth
 - 22% increase in proficiency for Geometry from 2010 to 2011
 - 14% increase in proficiency for Algebra II from 2010 to 2011
 - 8% decline in proficiency for Summative Math from 2010 to 2011
- World History, Biology, Life Science, 9th/10th grades ELA all showed double-digit increases in proficiency from 2010-2011.
- United States History proficiency declined 3%.

2011-12

Rebuilding Staff Identity

New Staff

- Sheila Billy – English
- Jeff Barnes – Physical Education
- Rashida Haveliwala – History
- Timothy Hickey - Physics

Returning Staff

- Jennifer Ahn – Counseling and English
- Tracy Corbally – English
- Todd Higashi – Life Science
- Laurel McCoy - Mathematics

2011-12

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
- Further revision of ASTI rubrics to reflect college expectations
- Ongoing modification to format of Junior/Senior seminar courses

2011-12

New Courses

Physics

- Writing 9 and 10 combined to single 9th grade writing course
- 10th grade students required to enroll in Conceptual Physics

Social Science Seminar

- Replaces one of two Media Studies Courses
- Supports students in COA Political Science, Economics, History, and other social science courses

2011-12

Focus on SAT Performance

SAT* performance is an identified area of need and a potential limiting factor in college admissions

- Class of 2008 : 1571 Average
- Class of 2009: 1516 Average
- Class of 2010: 1653 Average
- Class of 2011: 1725 Average**

*The SAT is scored on a 2400 scale

**21 of 29 students testing

2011-12

Focus on SAT Performance Continued

**Embedding SAT preparation throughout the curriculum
(Work in progress)**

- Warm-up Activities: Math and Critical Reading Questions
- Administration of diagnostics and focused review in seminar courses
- Preparatory course offered for all Juniors in Spring
- SAT II preparation throughout core courses:
 - Biology
 - World History
 - US History
 - Algebra II/Pre-Calculus
- Goal: Test-ready by summer following completion of course

2011-12

Focus on Assessment

Formative Assessment Across the Curriculum

- Collective reading of Understanding by Design to inform design of assessments
- Development of Essential Questions to guide curriculum
- Presentation of assessments in staff collaboration
- Collaborative design of assessments
- Peer observations and debriefs of assessment implementation
- Documentation of lesson plans including assessments and objectives

2011-12

Focus on Research

Interdisciplinary Research Project

- Year-long 10th grade project
- Students receive support for different aspects of project in each content area:
 - Ex: formatting, use of primary sources, data analysis and presentation, forming conclusions
- Students enlist specific faculty members as advisors throughout process
- Projects presented as part of a public exhibition to the school and wider community

2011-12

Focus on Families

Collaboration with Parents/Guardians to Support Student Success

- Continuation of Parent/Guardian Advisory Committee
- Quarterly Town Hall events
- Campus Invitations (including classroom visits) for all incoming parents/guardians
- All staff committed to use of School Loop for grading and course maintenance

Summary

2011-12: Moving Forward

Major Goals

- 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
- Develop and implement Interdisciplinary Research Project
- Build upon parent/guardian collaboration

The End

