

WHAT WE DO



A-G DEFAULT
CURRICULUM
EAST SIDE ALLIANCE
COMMON CORE



PROGRAMS

ELEVATE [MATH]

49ERS STEM LEADERSHIP INSTITUTE (SLI)



INNOVATION

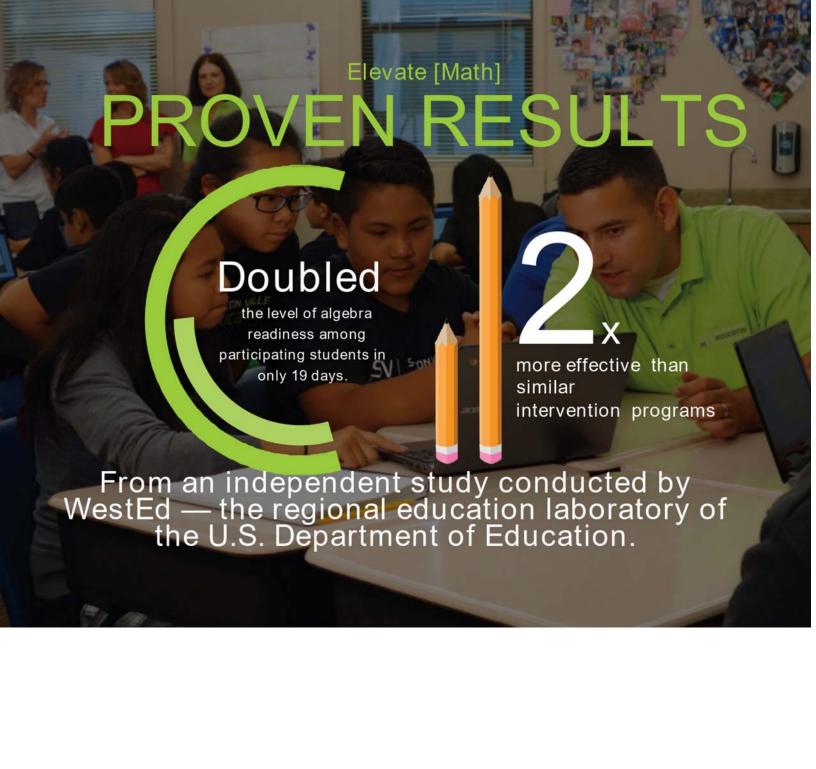
LEARNING INNOVATION HUB (iHub)

EDUCATION TECHNOLOGY

TEACHER
INNOVATION GRANTS









COMPONENTS FOR SUCCESS

PROGRAM DAYS
IN MIDDLE SCHOOL
6TH, 7TH, 8TH

OR PROGRAM DAYS IN HIGH SCHOOL 9TH, IOTH



PROVIDING STUDENTS WITH AN ADDITIONAL MORE THAN 30 HOURS OF COMMON CORE ALIGNED PROFESSIONAL DEVELOPMENT FOR TEACHERS



COLLEGE
AWARENESS AND
DEMONSTRATIONS
OF REAL WORLD
APPLICATION OF
STEM SKILLS & MATH
PRACTICES

75-125

HOURS OF INSTRUCTION







CURRICULÚM DESIGNED BY A TEAM OF EDUCATION EXPERTS



FY17 [Highlights]

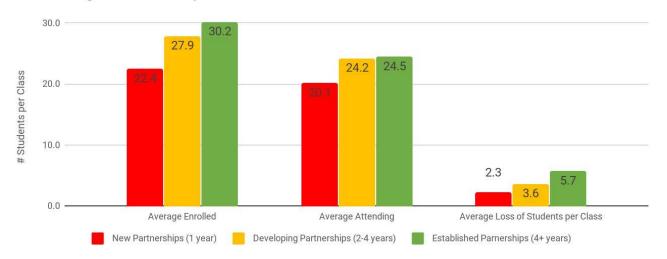
- Program Impact to date
 - 13,000 students served
 - 650 teachers trained
- Implemented ⊟evate [Math] 6 program
- Extensive Media Coverage
- Validation study with WestEd
- Successful Bevate satellite programs
 - Monterey County Office of Education
 - Sacramento County Office of Education
- On average, students showed at least a 50% growth on pre/post assessments in each grade level



[FY17] Status

# of Classes	# of Students	# of Students	Average	% Completing
	Enrolled	Attending	Attendance	@>75%
134	3,614	2,996	80%	72%

2017 Average # of Students per Class



*As of 6/31/2017

Bevating Achievement Through Innovation. www.elevatemath.com





WHAT MAKES A STEM LEADER?

RISK TAKING	CURIOSITY	PASSION	
CREATIVITY	LEADERSHIP INITIATIVE		
COMMUNICATION	DETERMINATION	COLLABORATIVE SPIRIT	

ACADEMIC EXCELLENCE

SLI Status (Summer: June - August)

Accomplishments

- Strengthening STEM
 - ~800 hours summer teacher PD/planning (articulation across grades, contents, sites)
 - 5 Field trips (Exploratorium, California Academy of Sciences, Computer History Museum, NASA, NVIDIA)
 - 15 Guest Speakers (teambuilding consultant, student workshop leaders, BoA interns)
 - Modified Elevate Math course (CC Math 6 transition into Algebra 1 for 7th graders)
- STEM Leadership
 - Fall competition/challenge kick-off (Exploravision, FIRST Lego League, FIRST Tech Challenge)
 - 3 Full Weeks of Workshops (computational thinking, hand/power tools, design thinking, core values, TinkerCad, Fusion 360, Inkscape, infographics, iMovie, digital citizenship, project management, circuits and electrical engineering, etc)
 - ~120 Volunteer Hours (9th/10th graders assisting with 7th grade Elevate Math)
 - Play at Piper partnership (Raspberry Pi computer kits, SLI students as junior developers)
- Youth Development
 - >20,000 student hours (summer session, extended hours, open lab)
 - 2 Open Houses (SCHS, CMS)
 - Multiple SEL workshops per grade level (counseling, teambuilding consultant, advisory)
- Other
 - New SLI staff (Program and Technology Manager, Program Assistant, 4 content teachers)
 - 7th 10th grade joint session with 240 SLI students (PlayWell Teknologies)
 - Tuesday Night Football fundraiser (8th grade)
 - SLI/SCUSD Collaboration (curriculum, partnerships)



eptember - November Status (F Additional Challenges/Projects Onboarding of new staff members and alignment with returning staff members Mission/Strategy revisit (shifting priorities/lessons learned through first half of program scale-out) and revising of full six-year model Community component of Fab Lab Santa Clara High School (SLI, SCHS, SCUSD, Santa Clara) Networking and collaboration within informal ed, MakerEd, and non-profit communities; sharing lessons learned and deeper collaboration with others outside of SLI Revisiting literature, compiling new research, and utilizing consultants to inform program growth and documentation Deeper and longer term relationships with industry and partners Creation of Advisory Board



Coming Up: fall competition season (Exploravision, FIRST Lego League, FIRST Tech Challenge), Pioneers and Purpose



LEARNING INNOVATION HUB

iHub connects Education Technology (EdTech) entrepreneurs, educators, and researchers to facilitate collaboration and product feedback for optimal decisions to integrate technology tools and solutions in our classrooms.





DISTRICT READINESS

Focus on personalized learning improves student outcomes

New opportunities like computer science education meet student needs



CHANGE MANAGEMENT

Culture of evaluation & innovation supports technology strategy and use

Networks and learning science increase district capacity



RESEARCH & EVALUATION

Data analysis determines what is working and for whom

Information flows reduce district risk





\$
FUNDING

Bond Raised for district capital and technology upgrades



Tech Assessment

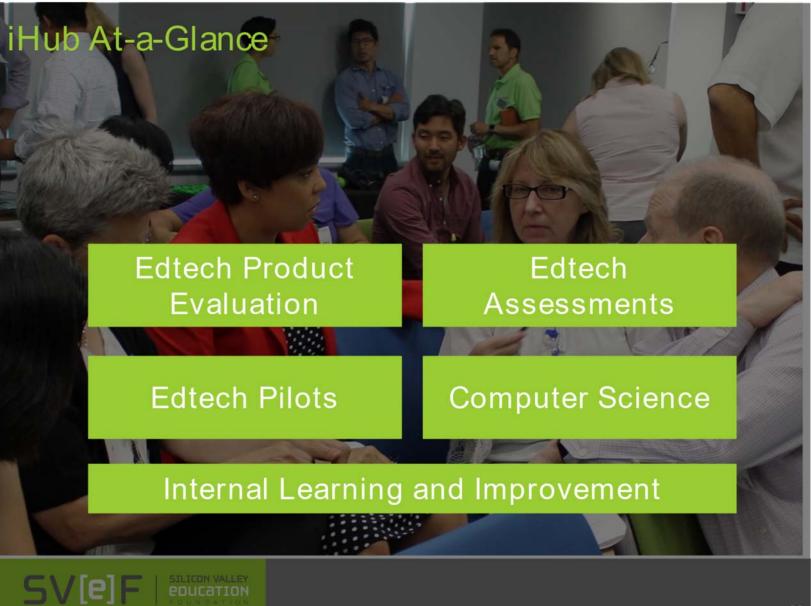
tool for districts

3



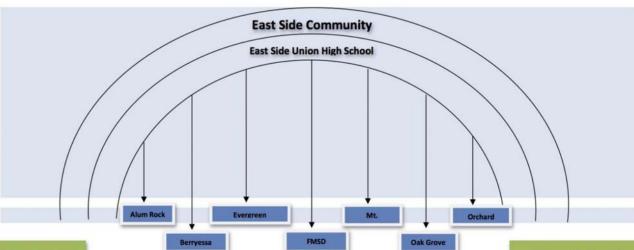
ADOPTION

Edtech Pilots
PwC Report





EAST SIDE ALLIANCE



Vision: We prepare every student for a lifetime of success.

PARTNERSHIPS

- ESA partner districts, SVEF, SJSU, Evergreen Valley College signed MOU
- 2. SVCF, Applied Materials, Shortino Family Foundation, JP Morgan Chase
- 3. Collaborative Partners

85,000 Students

Demographics: 50.1 % Hispanic 28.0 % Asian 8.8 % White 3.5 % African American

Goals:

- > Increase the number of students completing the A-G requirements in the ESUHSD
- > Accelerate the A-G completion rates of Hispanic and African American students
- Increase the number of students successfully completing grade 8 Algebra, HS Integrated Course I & Common Core 3
- > Increase enrollment and success in Calculus
- Increase enrollment and success in advanced placement classes

East Side Alliance Priorities

College/Career: Students prepared for post-secondary education (A-G)
Common Core: Successful implementation of CCSS
East Side Promise: Develop a PreK-16 articulated system

Oversight Committees

Advisory Steering Committee

- 1. District Board Representation
- 2. Superintendents
- 3. Union Representation
- 4. Silicon Valley Education Foundation
- 5. San Jose State University
- 6. Evergreen Valley College
- 7. Santa Clara COE
- 8. Community Leaders
- 9. Funding Organizations

Operations Committee

- 1. Assistant Superintendents
- 2. Teacher Leaders
- 3. Union representation
- 4. Santa Clara COE
- 5. Professional Development Providers (Invited)

Students Roadmap to Success: Spartan East Side Promise **Key Transition Years** 16 15 Academic Non-Cognitive Factors 14 Participates in First Year Seminars (Academic & Social) **Develops Time and Stress Management Skills** 13 Calculus/Statistics **Engages in Community and Campus Organizations** Successfully Completes Courses Required to go to College (A-G) 12 AP Course: ≥ 3 Has Sufficient Financial Aid Takes 4 years of math: Senior Year Math 11 Develops Career Plan and Establishes Goal SBAC: Meets standards Grade 11 10 Passes at Least 5 9th Grade Courses with No Failing **Engages in School and Community Organizations** 9 Grades Demonstrates Social Emotional Competence 8 Masters Algebra 1/CCS1/Integrated 1 Interventions: Elevate [Math] Has a Clear Expectation of Going to College 7 Completes 4 year high school plan Is at Reading/Math Level by 4th Grade 6 Participates in Full Day (vs. half day) Kindergarten Has a Strong Adult Figure 5 Attachment Other Than Parent Participates in High Quality Preschool/TK Adopt-A-College Program 4 Develops Letter Knowledge, Reading Sensitivity, and Number Sense Exhibits Learning-Related Skills Such as Self Regulation, 3 Social Competence, Self Esteem, and Motivation Uses Exploration and Discovery Kindergarten Savings Program to Understand Surroundings 2 Responds to Parent/Caregiver High 1 Has a Parent/Caregiver who Understands Quality Talking, Reading, and Singing Developmental Milestones K Has a Stable Relationship with a Strongly Involved **Key Transition Years** Birth Parent or Caregiver Source: University of Cincinnati, Center for Urban Education 2006

ESA PROFESSIONAL DEVELOPMENT

[Math Symposia]

- (3) Symposia are held each school year
- Our 16th Math Symposium was held October 11
- Math Toolkit

[High School/Middle School Collaboratives]

 A continuation of the symposia model, broken into smaller cohorts of specific high schools and the middle schools that feed into them

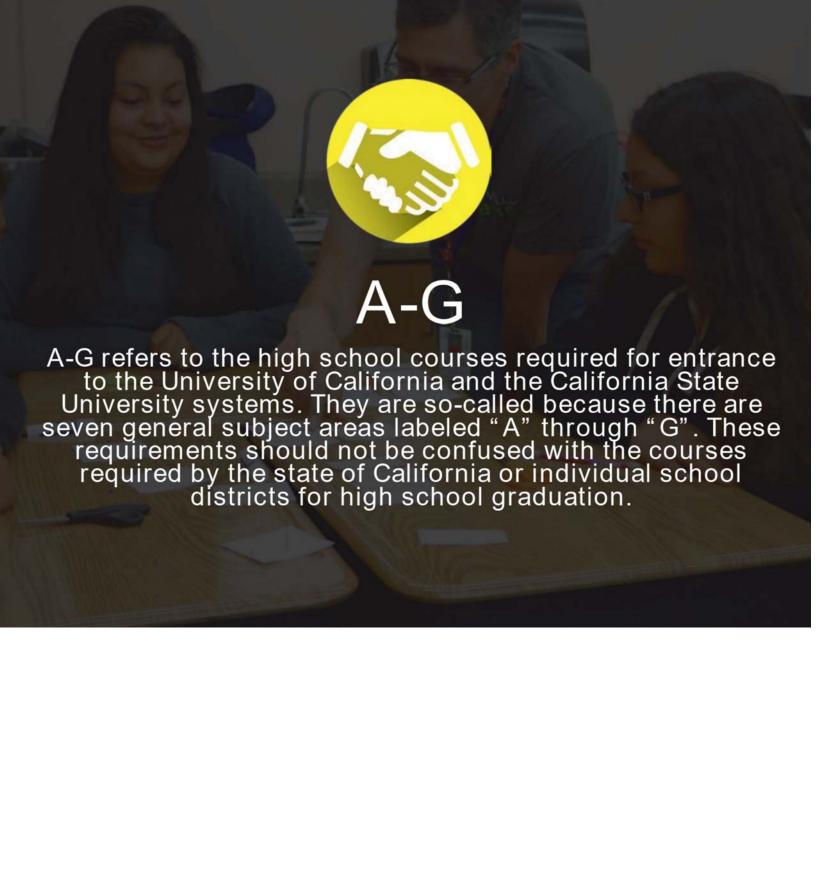
[Elementary Collaboratives]

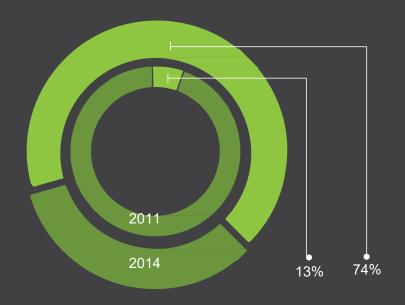
- Our newest addition to our PD model, for grades 3-6 teachers
- Our 1st session will be held March 7th

[PLC Facilitation]

- Ongoing opportunities for teachers to learn how to facilitate PLCs

To date, over 600 teachers have received professional development through the above models.





IN 2011, ONLY 13% OF SANTA CLARA COUNTY STUDENTS WERE ENROLLED IN HIGH SCHOOLS WITH AN A-G DEFAULT CURRICULUM.

SINCE THEN, SVEF HAS SUPPORTED DISTRICTS IN ADOPTING AN A-G DEFAULT CURRICULUM AND THAT NUMBER HAS GROWN TO 74%—NEARLY 60,000 STUDENTS.

How to Get Involved

- a. Funding
- b. Executive Engagement
 - i. Panels
 - ii. Advisory Boards
 - iii. Event Host Committees
- c. Volunteerism
 - i. STEM Workshops

Why Volunteer?

[For Our Students]

- Exposure to exciting STEM career opportunities
- · Opportunities to see STEM as it applies outside of the classroom
- Building academic aspirations and motivations

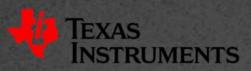
[For Your Organization]

Opportunities for employees to inspire and mentor our next generation of STEM leaders

Fostering the volunteer spirit of your organization Meaningful community engagement in local schools











THANK YOU