

MILPITAS UNIFIED SCHOOL DISTRICT

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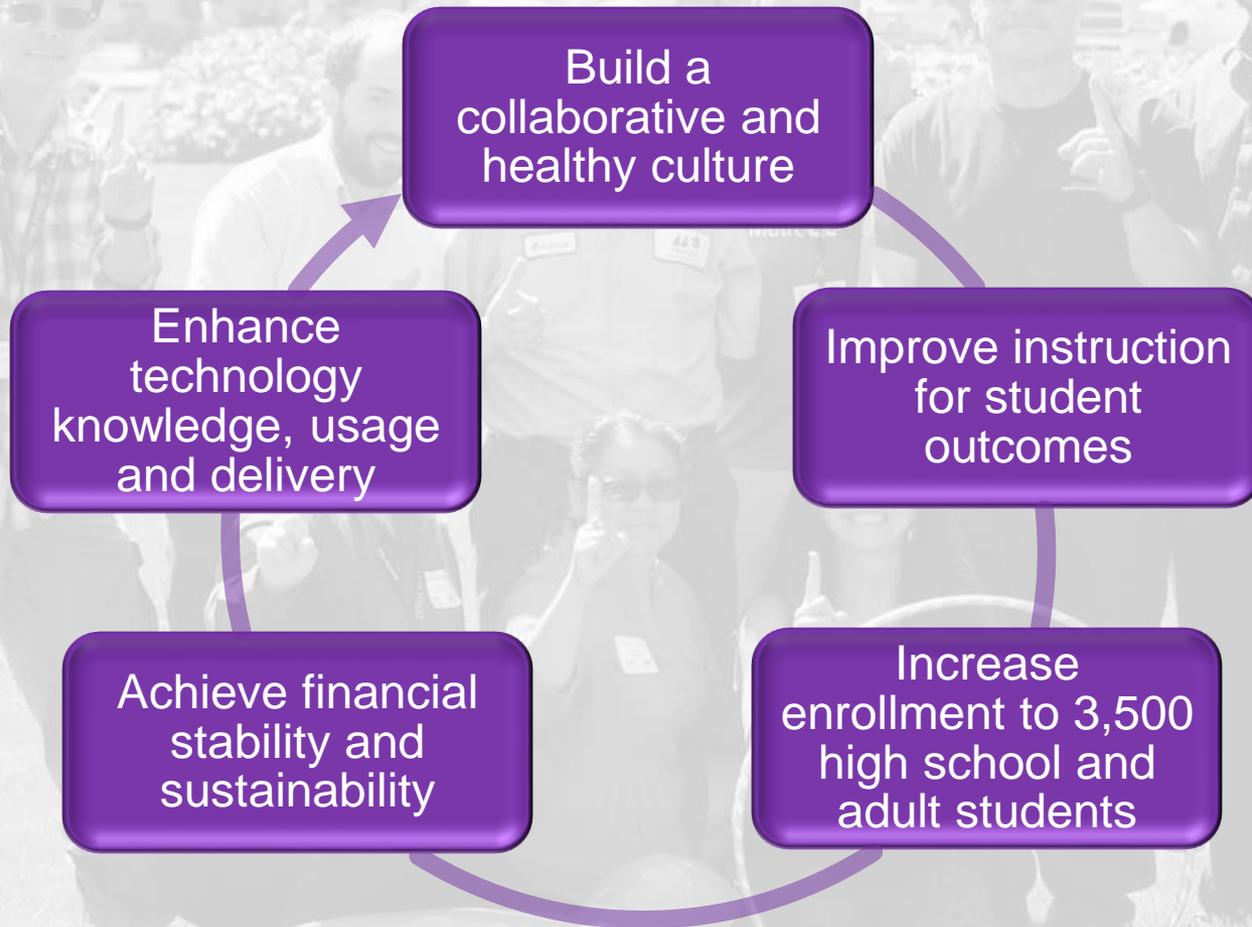
SILICON VALLEY CTE



Alyssa Lynch, Superintendent
September 26, 2017



2017-2018 District Goals:



Events and Activities

- Parent Orientation
- Back to School Night
- Shadow Days for Students
- Law Day
- College and Career Fairs
- Map Your Future College Transition Counselors
- Professional Development for Academic Teachers
- JPA Counselor Meetings
- Host SkillsUSA Regional Competition
- Health Occupations CTSO (HOSA)
- Cybersecurity Boot camp



What is New at SVCTE?

- Increased Enrollment
- Balanced enrollment in AM and PM classes
- 1,000 participants at Parent Orientation
- SVCTE Lead Administrator (Sara Crowder)
- PBS Documentary Featuring SVCTE Students
- Mechatronics Engineering Class & Robotics Club
- Full 2nd Dental Lab
- Culinary Program Upgrades
- STEM Teacher of the Year
- Infinite Campus Student Information System
- Silicon Valley Organization STRIVE - Internships
- SkillsUSA CTSO, 61 Competitors, 57 medals, 30 Gold



Silicon Valley CTE Students Featured in PBS Documentary: "Job Centered Learning"

SUNDAY, AUGUST 27, 2017

B8 BAY AREA NEWS GROUP 111
'JOB CENTERED LEARNING'

By Jessica A. York
 Santa Cruz Sentinel

SANTA CRUZ Documentary filmmaker and San Jose State sociology professor Bob Gilmer worries that career and skills training programs could become a casualty of an era focused on standardized test results.

In his latest one-hour production, "Job Centered Learning," Gilmer, of Boulder Creek, focuses on a nationwide struggle he refers to as a workforce skills gap.

In researching the film, he visited high schools in Santa Cruz County, San Jose and Napa, even traveling as far as Massachusetts and Arizona to look at different career-based offerings.

This gap, as the award-winning filmmaker explains, is resulting in a shortage of skilled workers to fill the ranks of professions not requiring college degrees.

"I think my documentary contradicts the notion that traditional high school teaching techniques are the only viable way to learn traditional subject matter and find viable careers," Gilmer said in a recent interview. "In fact, evidence suggests the opposite — that career technical education classes lead to higher high school



SHAMUEL THALER — STAFF PHOTOGRAPHER
 Filmmaker Bob Gilmer produced a PBS documentary on El Salvador — his latest work focuses on the labor force.

retention, better grades and graduation rates, because it makes curriculum come alive for students, engaging them in often life-changing classroom and career-forming educational experiences.

In the documentary, Watsonville-based Graniterock Vice President Kevin Jeffery described the "biggest crisis" he is seeing in his heavy civil construction industry as a workforce shortage.

"We're not getting young people out of school, out of high school, community college or four-year colleges to really meet the demand," Jeffery said. "Part of that is

Documentarian highlights skilled workforce shortage

"I think my documentary contradicts the notion that traditional high school teaching techniques are the only viable way to learn traditional subject matter and find viable careers."

— Bob Gilmer, documentarian and San Jose State sociology professor

the classroom of Emmalee Casillas, an agriculture instructor at Vintage High School in Napa.

"There's been a stigma, definitely, surrounding all of these labor positions and these blue collar positions, that it's lesser than," Casillas says in the documentary. "Really, what I'm doing as an educator is showing students that we are the base, the rock of our society."

In California in 2012, the state shifted all ROP (career-technical education) funding sources from a grant model to local district discretionary funding, with two years of bridge funding that ended in June 2015. At that time, Santa Cruz County public K-12 school districts banded together to forge a four-year agreement to allow the \$4 million Santa Cruz County Regional Occupational Program to continue overseeing the program while districts pay an increasing portion of the cost each year.

Mark Hodges, senior director for the County Office of Education-governed office, termed that decision a "saving grace" he hopes to see continue after the four years conclude in June 2019. Maintaining more costly programs, such as career technical education courses, has been a struggling budgetary constraint, Hodges said.

"It comes down to, I think, in the end, the value of the program and how it supports students accomplishing their goals in the high school experience," Hodges said. "I think, in the end here, industry is going to be a huge factor in maintaining career tech ed programs."

Hodges cited ongoing public-private work experience partnerships, such as with Santa Cruz-based Internet service provider Crutonio, and still growing opportunities, such as ongoing talks with Santa Cruz Seaside Co., parent to the Boardwalk.

In the upcoming 2017-2018 school year, San Lorenzo Valley, Scotts Valley and Pajaro Valley unified school districts and Santa Cruz City Schools will contribute 75 percent of their ROP program operating budget, then bear the full burden in 2018-2019.

According to Santa Cruz City Schools Superintendent Kris Munro, employee retirement and healthcare costs have been growing and the state is continuing to add new performance mandates without a sufficient matching increase in funding.

Recent Air Dates:



9/15/17
10AM
Channel 54.3,
XFINITY 189



8/20/17
8PM

Lora Hunter



Guidance Counselor, SVCTE & MUSD
Started at SVCTE in April 2017
58 Students

SVCTE Courses

Meet your future, head on.

2017-2018 Courses

SVCTE Silicon Valley Career Technical Education

FACT: 6 out of 10 students plan a career related to the CTE program they explore in high school

FACT: The average high school graduation rate for students concentrating in CTE programs is 93%

U.S. Department of Education, 2014

ANIMATION (UC "Y")
Acquire skills in basic figure drawing, self-animation, and 2D and 3D computer animation. Develop an understanding of script writing, storyboarding, and sound design.

AUTO BODY REFINISHING
Learn restoration techniques to prepare for finishing spray painting and a professional shop environment.

AUTO BODY REPAIR
Develops skills of welding and surface preparation techniques. Apprenticeships required.

AUTOMOTIVE
Study electrical systems and diagnosis.

CONSTRUCTION TECHNOLOGY
Design, estimate, and build buildings with carpentry equipment using industry standards.

CULINARY ARTS (UC "D")
Students train in our well-equipped kitchen to prepare stocks, cuts of meat, poultry and seafood using various methods. Work in various kitchen settings while preparing for your career.

CYBERSECURITY (UC "G")
Train students for technical challenges in a networked computer system and learn methods to protect vital data in private and public industries. Prepare secure communications and identify risks for networks and devices.

DENTAL ASSISTING (UC "pending")
Preparation and internship for students who aspire to be dental assistants, dental hygienists, assisting skills, laboratory, and x-ray capabilities. Qualified students may earn state certification in radiation safety and infection control.

ELECTRICAL MAINTENANCE
Install, maintain, troubleshoot, and repair residential commercial electrical systems. Successful students are eligible to receive the California Electrical Training Card.

FASHION DESIGN & TEXTILE ART (UC "F")
Learn entry-level skills in the clothing and fashion field. Style, line, color and design principles will set the tone for creating garments. Students will apply art elements and principles of fine art and design to their work.

FILM & VIDEO PRODUCTION (UC "D")
Students learn to write for television, film, storyboarding, directing, and producing videos for business and to final edit.

LABORER (UC "D")
Department and techniques used to perform academic, technical, and safety.

FORENSICS
Topics safety

HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) (UC "G")
Learn maintenance, overhaul, repair, and adjustment of residential and commercial heating, air conditioning, and refrigeration units.

INTERNET ENGINEERING (UC "G")
Learn to install, diagnose, and repair hardware and software. Prepare for jobs in the computer industry in sales, design, computer installation, help and programming.

LAW ENFORCEMENT
Prepare for a career in public and private investigative fields. Understand the criminal justice system, investigate crimes, and improve decision-making skills.

MECHATRONICS ENGINEERING (UC "D")
The combination of electrical and mechanical engineering where students design, build, and program robotic mechanisms. Students will apply C++ and Python coding to direct microcontroller parts.

MEDICAL ASSISTING (UC "G")
Learn back office medical procedures. Topics include medical terminology, anatomy, and physiology, lab procedures. Clinical training in hospitals, clinics, and doctors' offices is available.

MEDICAL SCIENCE/HEALTH CAREERS (UC "G")
Prepare students who aspire to become nurses and doctors for a career in the medical field. This course focuses on human biology and disease, practice hands-on patient care, medical terminology, leadership and teamwork, with hospital internships in emergency, surgery, physical therapy, radiology, pediatrics, and more.

METALS TECHNOLOGY (UC "G")
Learn welding theory and safety with hands-on experience in operation of welding equipment. Welding is used in auto repair, building construction, ornamental ironwork, and many machinery jobs.

MOBILE APP DESIGN AND COMPUTER CODING (UC "G")
Learn multimedia design, web development for internet technologies, and programming for mobile platforms and devices. Learn the process of designing, coding and deploying mobile applications for use in e-commerce, productivity, enterprise and web purposes.

PHARMACY TECHNICIAN (UC "pending")
This course prepares students with the knowledge and skills required for employment as a pharmacy clerk. It focuses on academics, technical skills, and employability practices essential in the pharmacy profession.

SPORTS MEDICINE & KINESIOLOGY (UC "D")
Acquire skills related to anatomy and physiology, nutrition, fitness and exercise, taping procedures, vital signs, training rooms management, injury treatment and training, patient care, and bio-metrics of movement.

TRUCK MECHANICS (UC "D")
Repair and service the systems and components on light and heavy duty trucks and sports utility vehicles. Prepare for jobs in the auto/truck/heavy equipment industry.

VETERINARY SCIENCE (UC "D")
Learn anatomy and physiology, as well as animal health and disease, animal behavior and client communication to prepare for employment in Veterinary careers.

ADVANCED COURSES

Only available to second year students or with counselor/teacher approval.

- ADVANCED AUTOMOTIVE SERVICES
- ADVANCED FASHION DESIGN & TEXTILE ART
- ADVANCED FILM & VIDEO PRODUCTION
- ADVANCED METALS TECHNOLOGY
- ADVANCED TRUCK MECHANICS

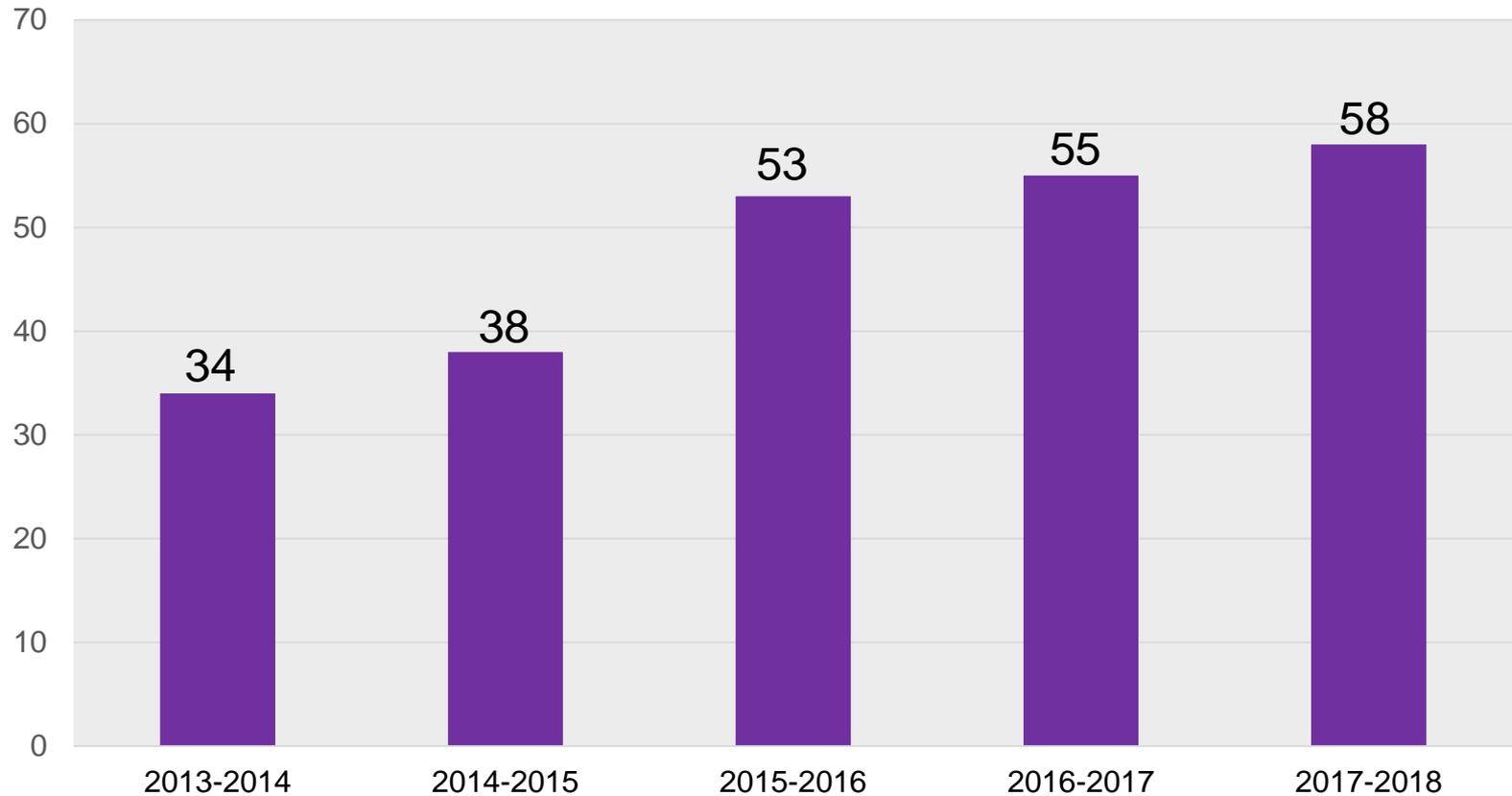
Current Enrollment by Class

- 4 Advanced Auto Services
- 2 Animation/Internet Engineering
- 1 Auto Body Refinishing/Repair
- 1 Culinary Arts
- 2 Construction Technology
- 3 Dental Assisting
- 3 Electrical Maintenance; HVAC
- 3 Fashion Design & Textile Art
- 4 Film & Video Production
- 1 Fire Science/First Responder
- 1 Forensic Science
- 1 Law Enforcement
- 1 Mechatronics Engineering
- 1 Medical Assisting
- 11 Medical Science-Health Careers
- 9 Mobile App Design
- 3 Pharmacy Careers
- 3 Sports Medicine & Kinesiology
- 1 Truck Mechanics
- 3 Veterinary Science & Technology

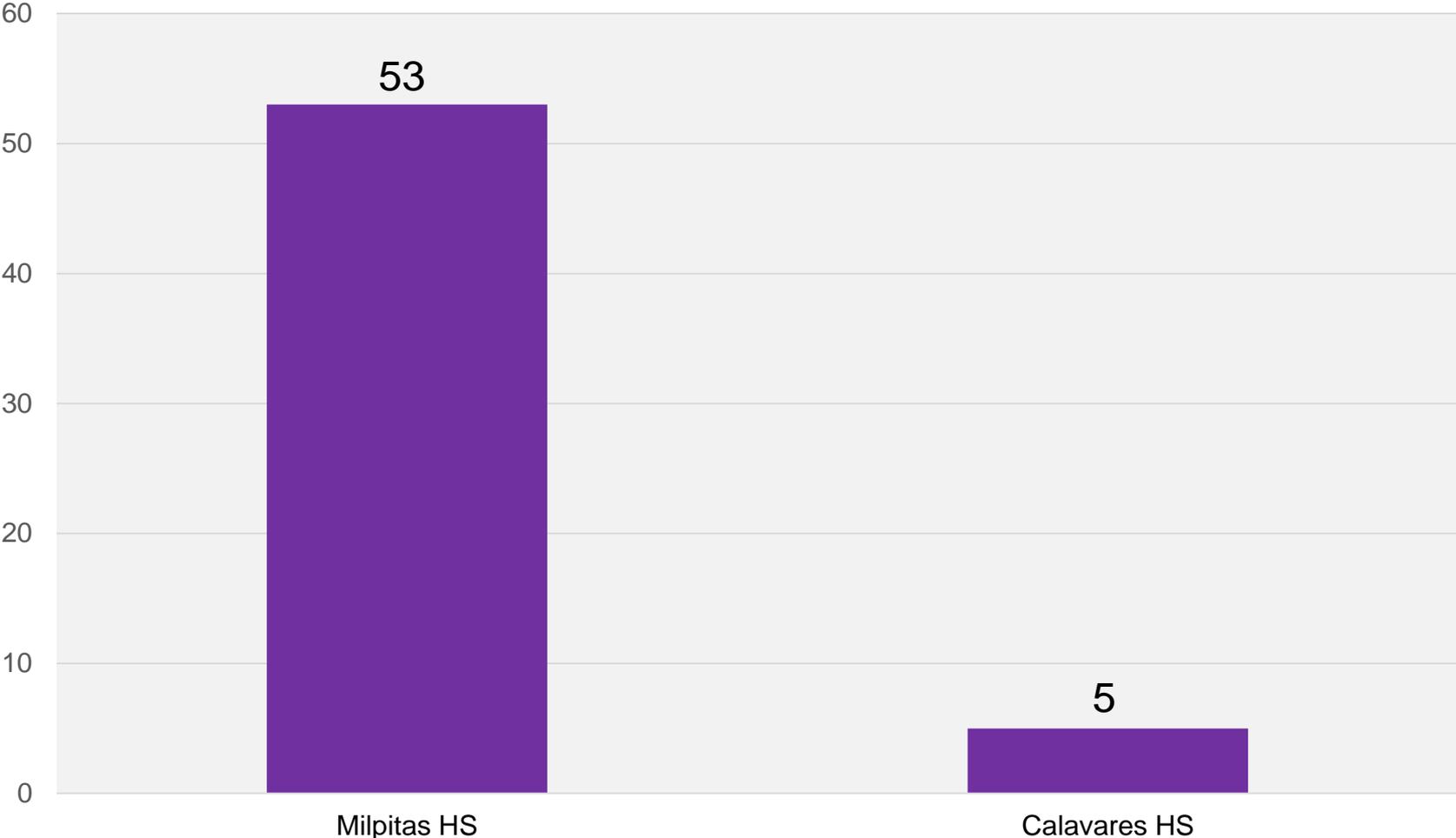


5 Year Enrollment History

Milpitas



Student Enrollment by School



SVCTE 2016-17 RESULTS

74% of our classes are UC “a-g”

83% going to College from
Fire Science/First Responder

45% employed in field related to class -
Dental Assisting

26% students had internships

119 participated in Work Based Learning

408 students received certifications

LCAP Key Goals and Actions 2016-2018

MetroED Top Priorities: *Build a collaborative and healthy culture* | *Improve instruction for student outcomes* | *Increase enrollment to 3,500 high school and adult students* |
Achieve financial stability and sustainability | *Enhance technology knowledge, usage, and delivery*

State Priorities	Positions	Programs and Services	Resources	Data Collection
<p>Conditions of Learning</p> <p>State Priorities: 1, 2 & 7</p> <p><u>Indicators:</u></p> <ul style="list-style-type: none"> Basic Conditions Career & College Readiness Implementation of Standards & Access to Programs 	<p><u>Hired Additional Staff:</u></p> <ul style="list-style-type: none"> Pharmacy Career teacher Cybersecurity teacher Public Information Officer Data Accountability Specialist Grant Specialist .5 FTE Work Based Learning Specialist .5 FTE 	<ul style="list-style-type: none"> 100% appropriately credentialed, trained, and assigned teachers New teacher mentor development support program <p><u>New programs added:</u></p> <ul style="list-style-type: none"> Cybersecurity 2016-17; Mechatronics 2017-18 <ul style="list-style-type: none"> 100% student access to standards-aligned instructional material Align curriculum to Common Core State Standards and Next Generation Science Standards Facility repairs identified and action plan(s) implemented - ongoing development AM session from 3 hours to 2 hours (2017-18) Map Your Future College & Career Center Project Based Learning Professional Development Updated and added technology resources Dual Enrollment course offerings (2017-18; 2018-19) 	<ul style="list-style-type: none"> Direct Administration Direct Instructional Specialist Direct Site Support Instructional Materials (consumable) Provide intentional professional learning Provide opportunity for learning opportunities Professional Learning teaching and learning <p><u>Facilities Maintenance</u></p> <ul style="list-style-type: none"> Ensure all students have adequate facilities, appropriate course 	<ul style="list-style-type: none"> End of the year data (summative) Course completer data Dual enrollment credits earned UC a-g course completers Industry certificates earned data
<p>Pupil Outcomes</p> <p>State Priority: 4</p> <p><u>Indicators:</u></p> <ul style="list-style-type: none"> Course completer progress Industry certificates earned Program Quality Assessments Employer Advisory Boards (EABs) Student Internships Business Partners 	<ul style="list-style-type: none"> IT Data Analyst IT Webmaster STEM Specialist 	<ul style="list-style-type: none"> Student Information System (SIS) recommendation Improved student data collection 	<ul style="list-style-type: none"> District and School Strategic Plan IT District and School Strategic Plan 	<ul style="list-style-type: none"> Semi-annual review of plan objective vs accomplishments End of the year data (summative) Course completer data Dual enrollment credits earned UC a-g course completers Industry certificates earned data
<p>Engagement</p> <p>State Priorities: 3, 5 & 6</p> <p><u>Indicators:</u></p> <ul style="list-style-type: none"> Parent Involvement Pupil Engagement School Climate 	<ul style="list-style-type: none"> Public Information Officer Director of Educational Services STEM Specialist Program Recruiters 2.D. CTE's Guidance Counselor College & Career Counselor 	<ul style="list-style-type: none"> Implement Project Based Learning (PBL) UC a-g course outline revision Community and Parent communication Skills USA HOSA Discover Your Future event Parent Information Night Provide parents academic and college and career support Map Your Future Center Make-a-Fair 	<ul style="list-style-type: none"> JPA Curriculum & Instruction quarterly meetings JPA Counselor monthly meetings District/School meetings Blackboard Parent Link Student Course Interest Survey (annual) District Satisfaction Climate survey (annual) LCAP Co Attendance 	<ul style="list-style-type: none"> Student and parent survey Increased number of participants at events Increased number of partnerships Enrollment numbers and attendance data from all courses HOSA and other extra-curricular events Enrollment numbers and attendance data from all courses Website data collection

• JPA Curriculum & Instruction quarterly meetings
 • JPA Counselor monthly meetings
 • District/School meetings
 • Blackboard Parent Link
 • Student Course Interest Survey (annual)

• Guidance Counselor
 • College & Career Counselor

• Enrollment numbers and attendance data from all courses

• Enrollment numbers and attendance data from all courses

College /Career Indicator

- Your district can count students in our 2 or 3 hour classes.
- They count as a Pathway - Capstone class in the levels listed below.
- Prepared Level
 - Career Technical Education Pathway, plus one element
- Approaching Prepared Level
 - CTE Pathway Completion

Attend an Upcoming SVCTE Event



100 Year Centennial Celebration

October 20, 2017 - 10:00 am

<http://svcte100.eventbrite.com>

Back to School Night
September 27 – 6:00 pm

SVCTE Awards Night
May 18, 2018 - 6:00 pm

CTE Conversations in Sacramento



Come Visit Us at SVCTE!

Alyssa Lynch, Superintendent

Alynch@MetroED.net

408-723-6464