



# SANTA CLARA UNIFIED SCHOOL DISTRICT & SILICON VALLEY CTE



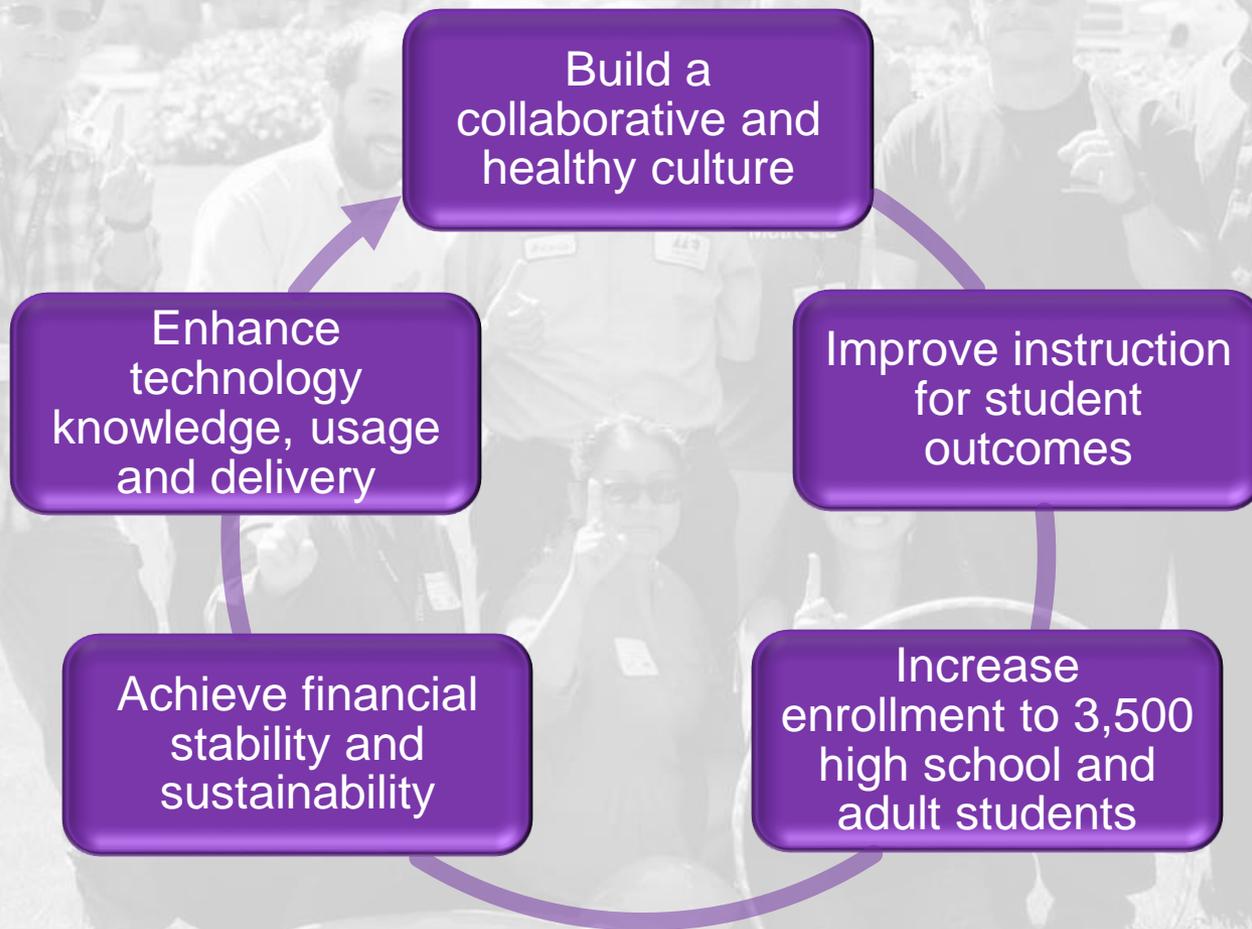
Silicon Valley  
Career Technical Education

---

**Alyssa Lynch, Superintendent**  
**September 12, 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 Student Association (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: 1 SCUSD Student Featured
- Mechatronics Engineering Class & Robotics Club
- Full 2<sup>nd</sup> 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



# Santa Clara Student in PBS Documentary: "Job Centered Learning"



## Brian Guillen Wilson High School Cybersecurity

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



# Lora Hunter



**Guidance Counselor, SVCTE & SCUSD**  
**Started at SVCTE in April 2017**  
**112 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 components.

**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")**  
Gain 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 entertainment to final edit.

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

**LABORER (UC "d")**  
Department and techniques used to perform academic, technical, and 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

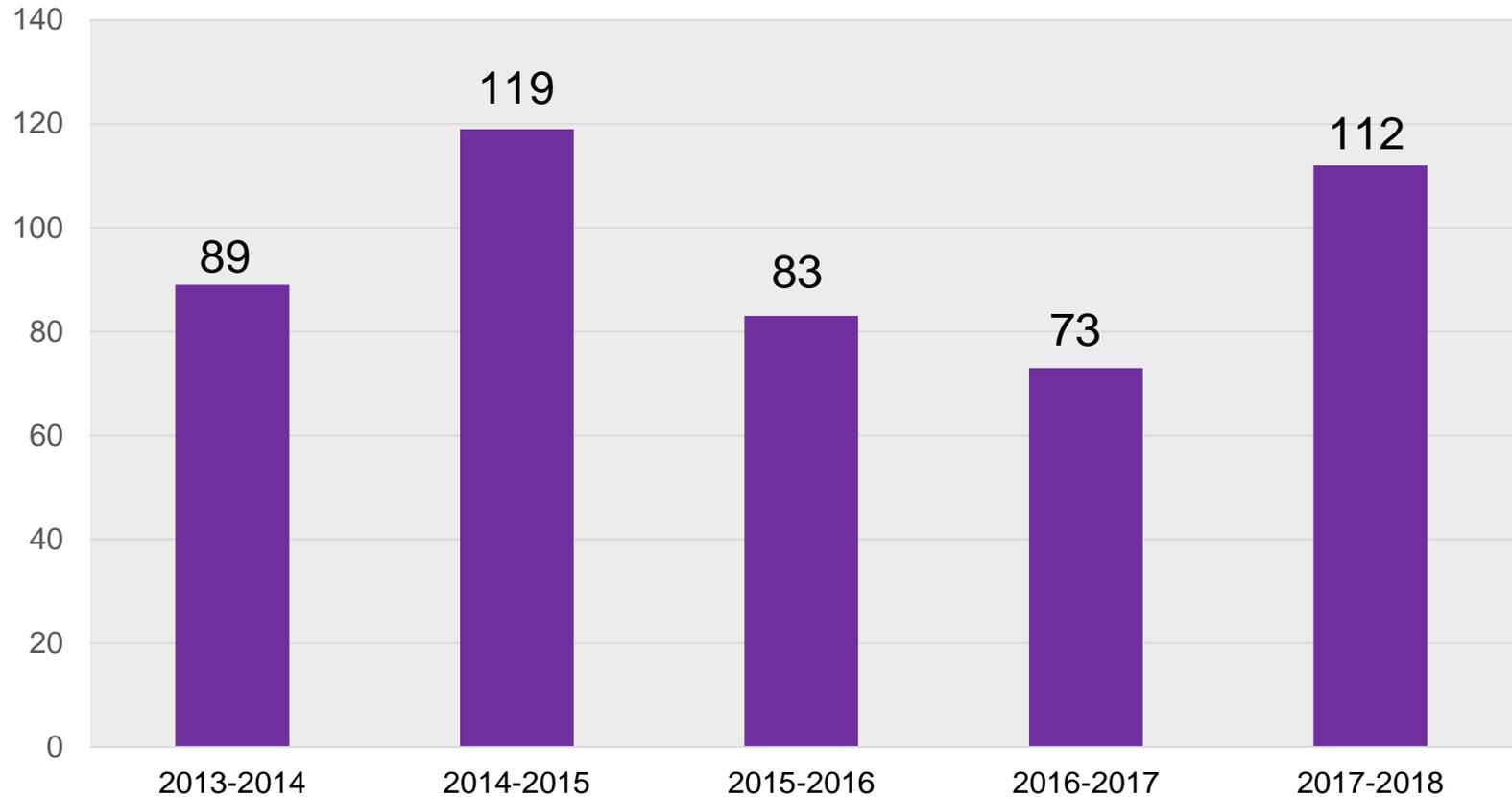
- 13 Advanced Auto Services
- 4 Animation/Internet Engineering
- 5 Auto Body Refinishing/Repair
- 6 Baking & Catering; Culinary Arts
- 1 Construction Technology
- 2 Dental Assisting
- 10 Electrical Maintenance; HVAC
- 2 Fashion Design & Textile Art
- 5 Film & Video Production
- 7 Fire Science/First Responder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



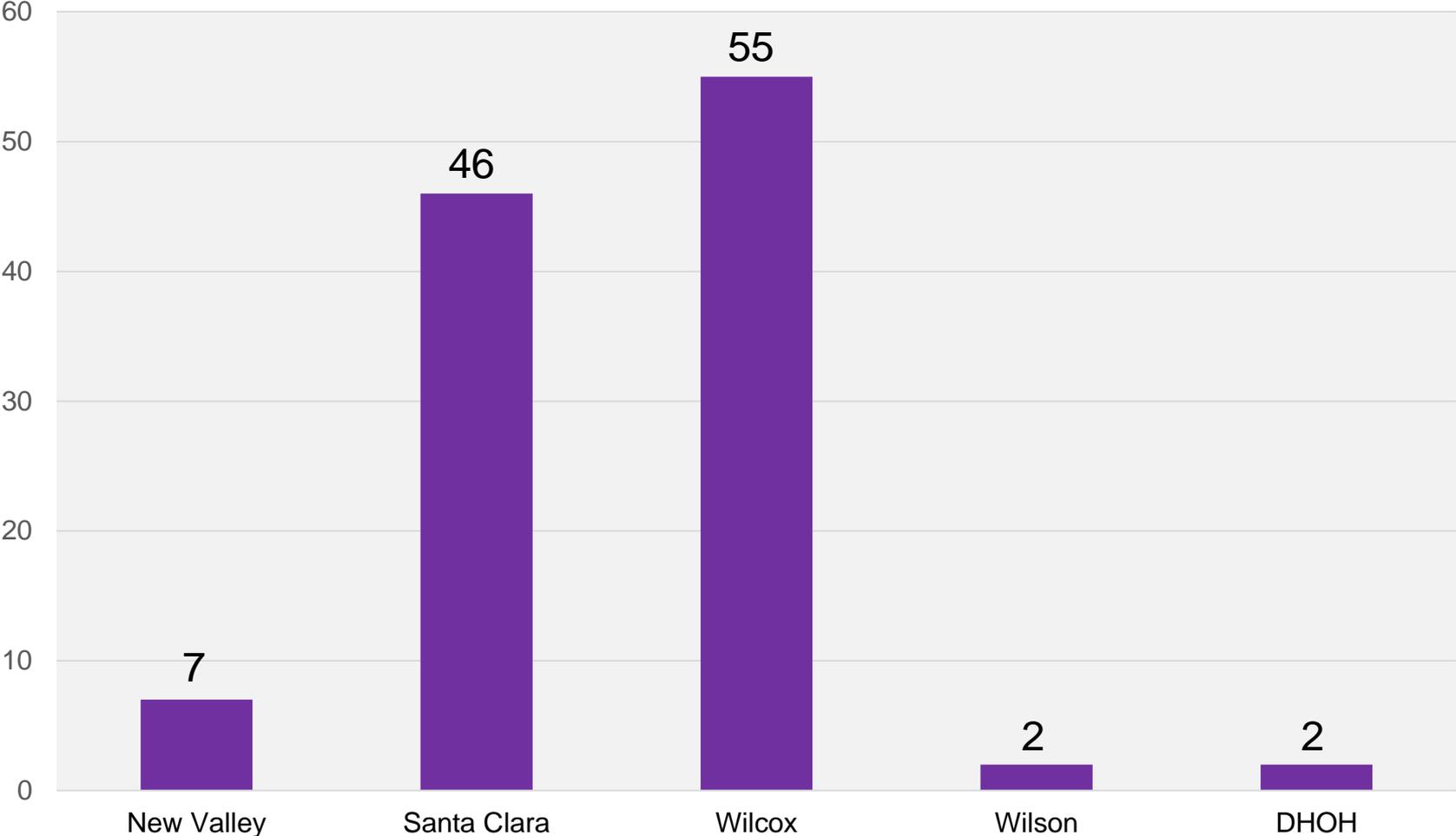
112 \*(unduplicated)

# 5 Year Enrollment History

## Santa Clara



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

- 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

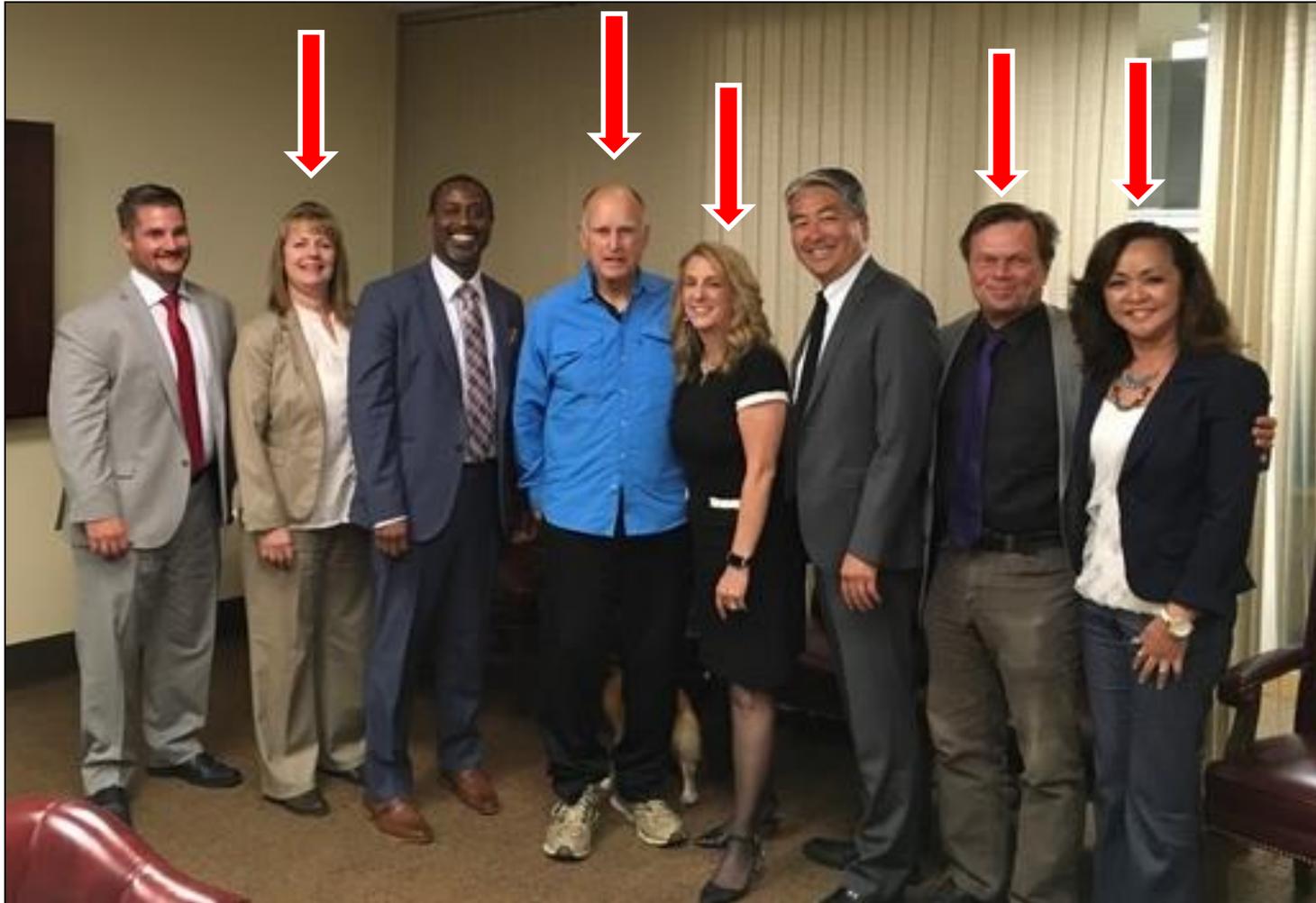
October 20, 2017 - 10:00 am

<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](mailto:Alynch@MetroED.net)**

**408-723-6464**