

# Understanding & Expanding Work-Based Learning

## for Middle/High School Students

**Jewyl Clarke, San Diego County Office of Education**

**Alex Becker, San Diego County Office of Education**

**Monica Rosas, Community College Regional Consortium**

**Slides: [bit.ly/sdcoe2019](https://bit.ly/sdcoe2019)**

# Get to know the room

Middle School Teacher

High School Teacher

Counselor

COSA/TOSA/Resource

Site Administrator

District Administrator

College Level

Other?

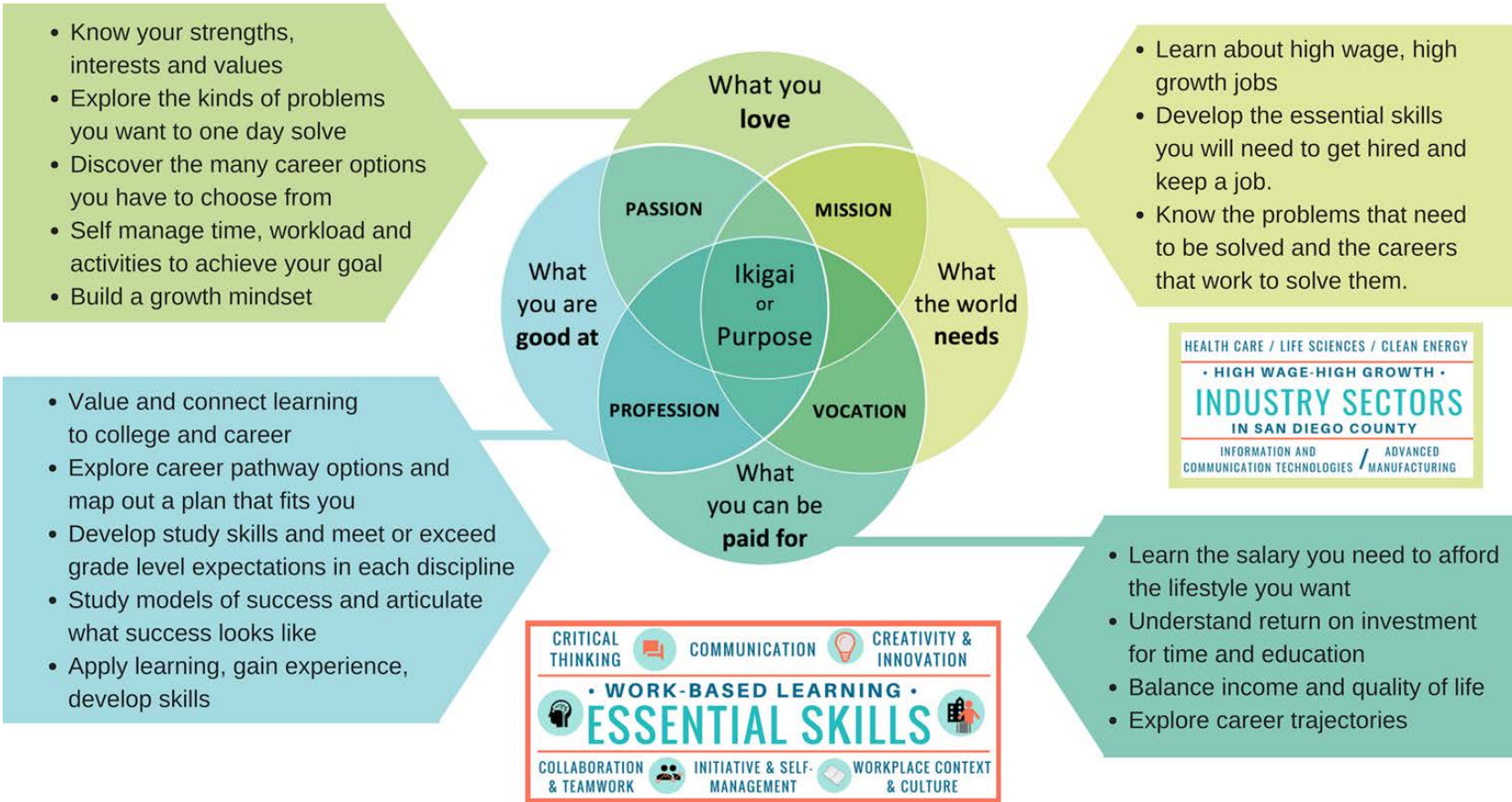
# Why is Work-Based Learning Important?

**Ikigai**  
“Reason for Being”

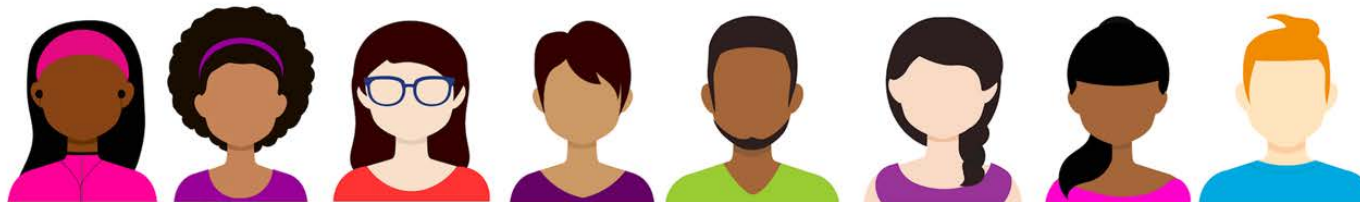
**or Purpose**



# Find your Purpose • Be Future Ready



  
 san diego county office of  
**EDUCATION**  
 FUTURE WITHOUT BOUNDARIES™  
 www.SDCOE.net/CTE  
 jewyl.clarke@sdcoe.net



  
 san diego county office of  
**EDUCATION**  
 FUTURE WITHOUT BOUNDARIES

How do we maximize the impact  
the **WBL activity** has  
on **student learning**?

Student **preparation,**  
**engagement** and  
**reflection**



### Classroom Strategies to make the most of Work-Based Learning

How do you prepare students for a Guest Speaker?  
Instructional Strategy Suggestions from Classroom Teachers

#### Logistics & Teacher Preparation

- Find out what the speaker will talk about or if they need direction for topics
- Link speaker to class content
- Frame the speaker around a project, either as an intro or a conclusion
- Prepare a handout to use with the presentation
- Frontload what will be covered and relevance to the class

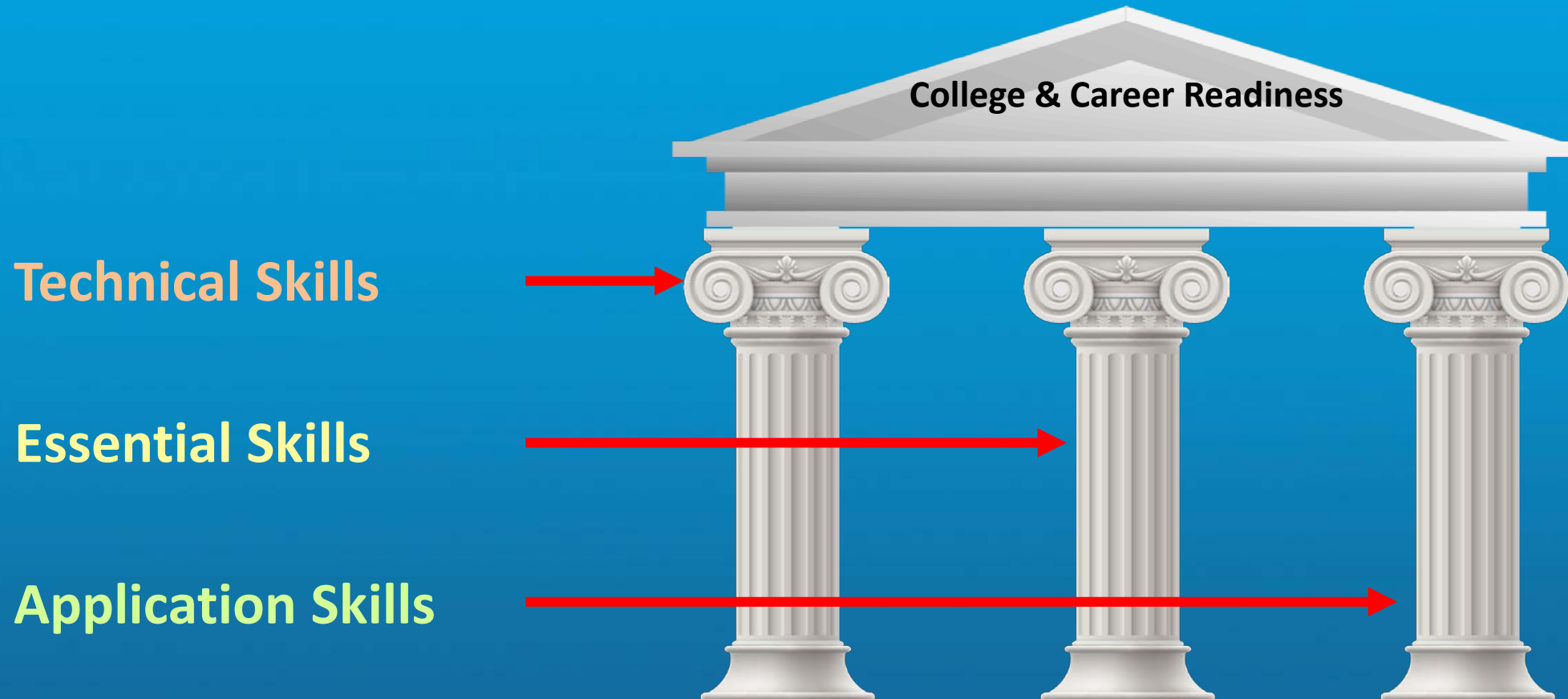
#### Inform

- Let students know when there will be a speaker
- Let student know why this particular speaker was invited

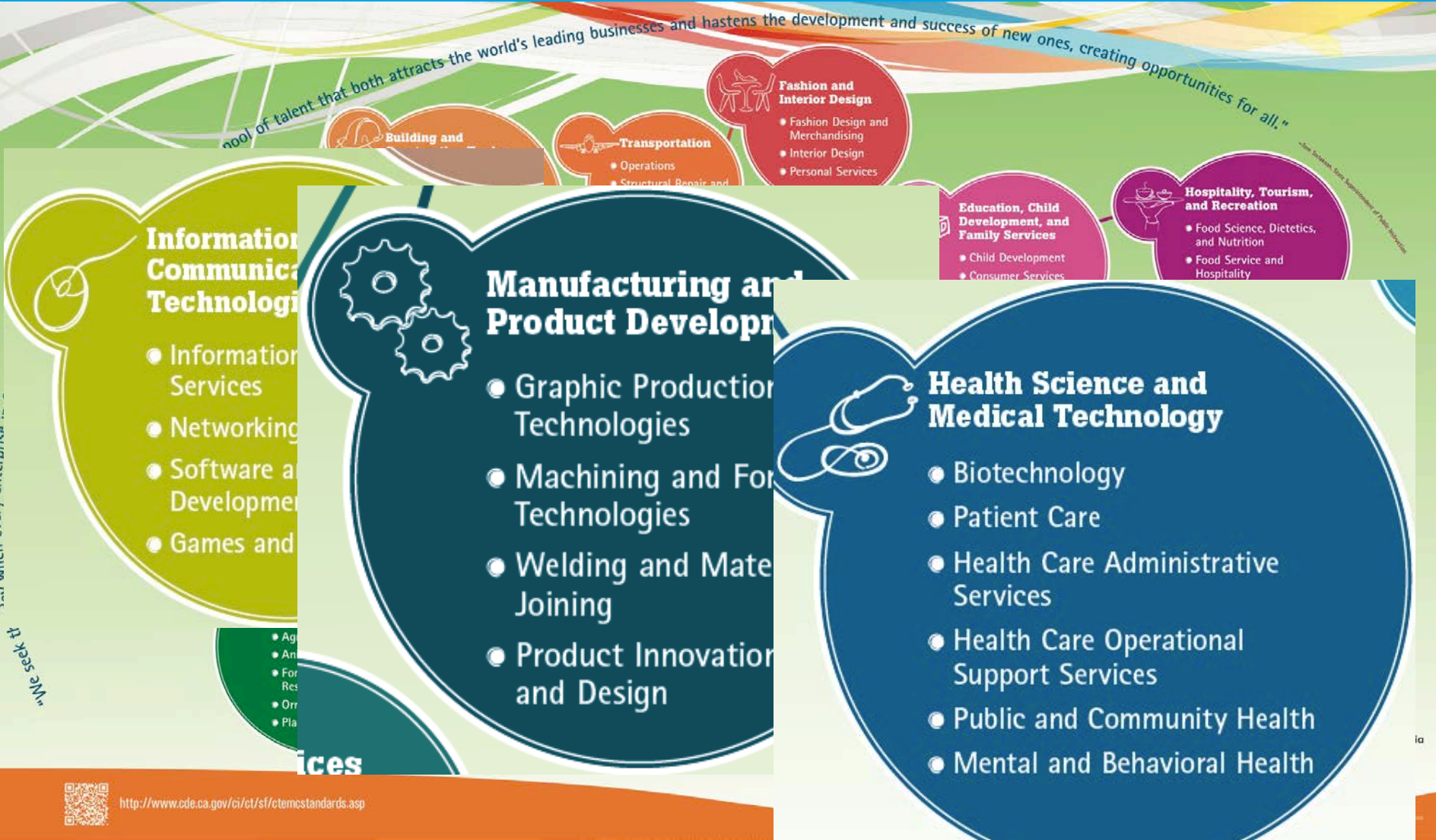
#### Integrate concepts into the classroom

- Provide [career context](#) for classroom learning
- Scaffold research using [prepared handouts](#)
- Incorporate [essential skills](#) into the classroom
  - Critical Thinking
  - Communication
  - Creativity & Innovation
  - Collaboration & Teamwork
  - Initiative & Self-Management
  - Workplace Context and Culture
- Review professional skills
- Provide students with discussion and [activities](#) around the essential skill you have asked the employer to emphasize

# Three Pillars of Career Readiness



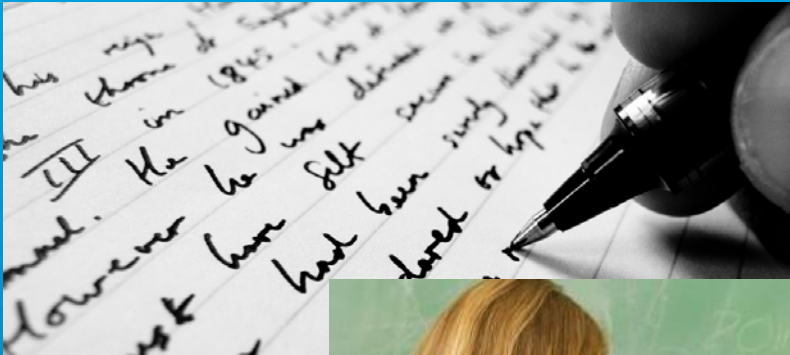
pool of talent that both attracts the world's leading businesses and hastens the development and success of new ones, creating opportunities for all."



CA Dept of Edu's  
**15 Industry Sectors**  
&  
**Career Pathways**



# What about a-g education?



...College and Career  
Readiness skills!



# Impact of WBL



# The SDCOE ePortal

Welcome,  
**Alexander Becker**

- Dashboard
- My Courses
- Work-based Learning
- Opportunities
- Events
- Pending Requests
- Confirmed Requests
- History
- Special Request
- ★ Student List
- ☆ Pending Students 0
- ✉ Student Communication
- 📄 School Profile
- 📁 Student Upload

## OPPORTUNITIES


Employers offering work-based learning opportunities Per page: 10

| Employer   | Industry Sector                       | Location    | Posting Types   | Opportunities  | Actions |
|--|---------------------------------------|-------------|---|--|---------|
| Computer Integrated Machining (CIM)                      | Manufacturing and Product Development | Santee      |   | Work Site Tour<br>Guest Speaker  | Select  |
| County of San Diego                                      | Public Services                       | San Diego   | Internships <span style="background-color: #007bff; color: white; border-radius: 50%; padding: 2px;">1</span> | Work Site Tour<br>Guest Speaker<br>Job Shadow<br>Informational Interview | Select  |
| County of San Diego Health & Human Services Agency       | Public Services                       | San Diego   |   | Guest Speaker  | Select  |
| Countywide Metal Feb & Finish                            | Manufacturing and Product Development | El Cajon    |   | Work Site Tour<br>Guest Speaker<br>Job Shadow<br>Informational Interview | Select  |
| Cox Communications                                       | Information Technology                | San Diego   |   | Guest Speaker<br>Job Shadow  | Select  |
| Creative Services - San Diego County Office of Education | Information Technology                | San Diego   |   | Guest Speaker  | Select  |
| Custom Auto Wrap   | Manufacturing and Product Development | Lemon Grove | Internships   | Work Site Tour<br>Guest Speaker<br>Job Shadow                            | Select  |

# The SDCOE ePortal

☰ LAUNCHPATH

You're logged in as a School 🔔 6 Alexander Becker

Welcome, Alexander Becker 

- 🏠 Dashboard
- 📖 My Courses
- 🔗 Work-based Learning >
- ★ Student List
- ☆ Pending Students 0
- ✉ Student Communication
- 📄 School Profile
- 📁 Student Upload
- 👥 My Team
- 🏆 Digital Badges

## REQUEST WORK BASED LEARNING

Complete the **Guest Speaker** request form below for **County of San Diego Health & Human Services Agency**.

1. We'll send the request for the employer to review
2. View the status of the request on the [Pending Requests](#) page.
3. After the employer responds, view the request on the [Confirmed Requests](#) page

What topic(s) would you like the guest speaker to discuss?


Please describe the topics and information you would like a guest speaker to discuss.

0/1000

What essential skills would you like emphasized?

# The SDCOE ePortal

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Welcome, Alexander Becker 

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## PENDING REQUESTS

Requests
Special Requests

Requests that are waiting for responses from employers

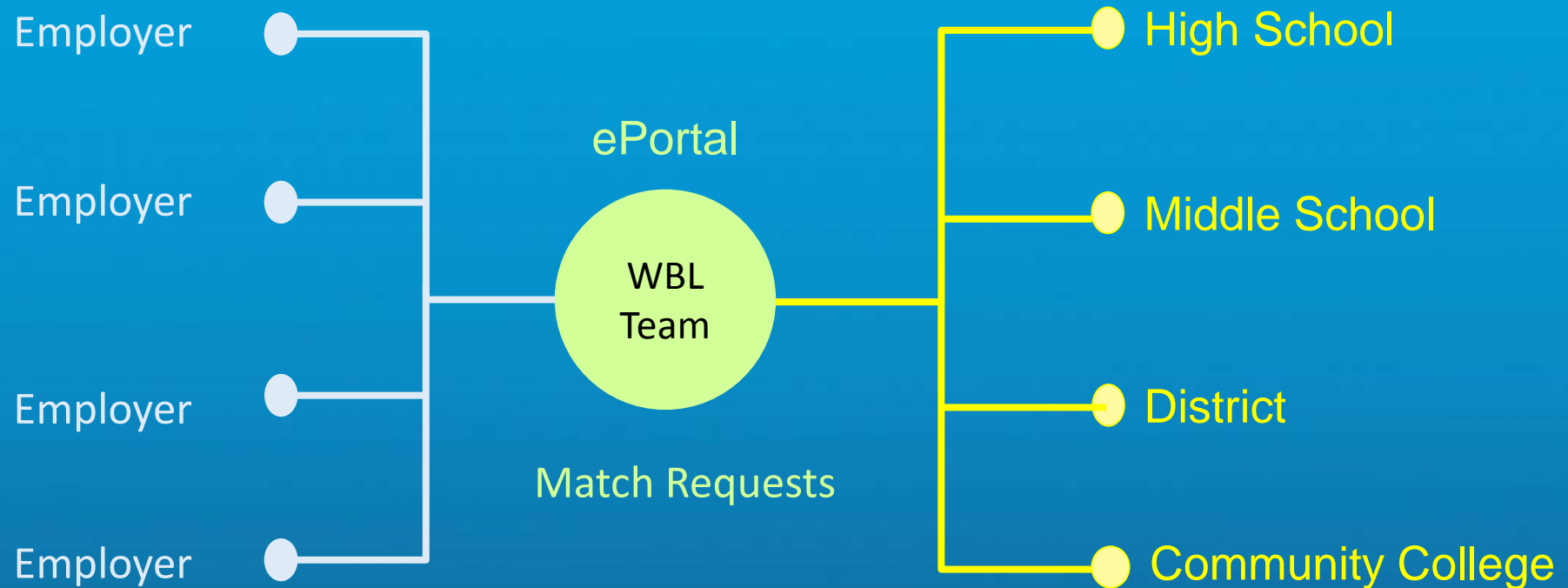
Per page: 10

| Received  | Request ID | Request       | Employer   | Industry Sector/s                     | Students | Date/Time        | Actions |
|-----------|------------|---------------|--|---------------------------------------|----------|------------------|---------|
| 8/27/2018 | 202        | Guest Speaker | County of San Diego Health & Human Services Agency | Health Science and Medical Technology | 30       | 9/28/2018 9:00am | Select  |

Showing 1 to 1 of 1 entries

Previous
1
Next

# The ePortal Process



# Sign up for an ePortal Training

[www.sdcoe.net/CTEevents](http://www.sdcoe.net/CTEevents)

## For Educators

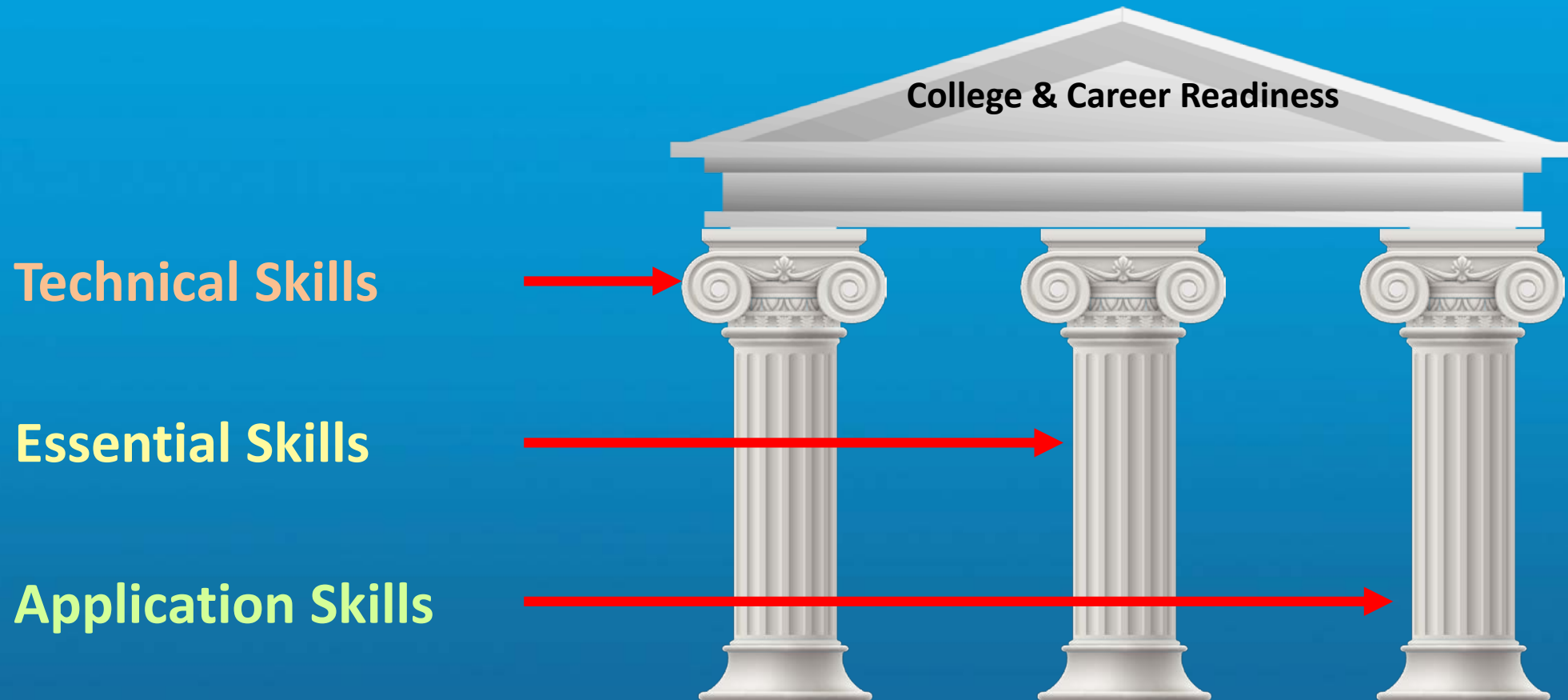
### CTE Instructors Network - Instructional Practice

- Join a network of instructors focused on high quality teaching and learning in CTE.
  - October 9, November 14, January 29, March 11
  - [CTE Instructors Network Flier](#)
  - [Registration](#)

### Work-Based Learning Workshops

- Learn new strategies to incorporate industry into your classroom experience, enhance student essential skills, and join our list of educators who can make requests for industry needs.
  - September 18, 2019 [Register here](#)
  - December 11, 2019 [Register here](#)
  - January 15, 2020 [Register here](#)
  - March 11, 2020 [Register here](#)
  - April 15, 2020 [Register here](#)
- Contact [Alex Becker](#) to schedule a district or site work-based learning training.

# Three Pillars of College and Career Readiness



What is the number one thing  
industry partners want in  
employees?

**Strong Essential Skills**

## • WORK-BASED LEARNING •

# ESSENTIAL SKILLS

### COMMUNICATION



The student comprehends verbal, written, and visual information and instructions; listens effectively; observes non-verbal communication; articulates and presents ideas and information clearly and effectively both verbally and in written form; and uses technology appropriately for communication.

### CRITICAL THINKING



The student demonstrates the following critical-thinking and problem-solving skills: exercises sound reasoning and analytical thinking; uses quantitative reasoning, makes judgments and explains perspectives based on evidence and previous findings; uses technology to find and process information; uses knowledge, facts, and data to solve problems; and applies system thinking.

### CREATIVITY & INNOVATION



The student demonstrates originality and inventiveness in work; communicates new ideas to others; uses technology; and integrates knowledge across different disciplines.

### COLLABORATION & TEAMWORK



The student builds effective collaborative working relationships with colleagues and customers; is able to work with diverse teams, contributing appropriately to the team effort; negotiates and manages conflict; learns from and works collaboratively with individuals representing diverse cultures, ethnicities, ages, gender, religions, lifestyles, and viewpoints; and uses technology to support collaboration.

### INITIATIVE & SELF-MANAGEMENT



The student takes initiative and is able to work independently as needed; looks for the means to solve problems; actively seeks out new knowledge and skills; monitors his/her own learning needs; prioritizes tasks; persists in bringing tasks and projects to completion; manages time effectively; learns from his/her mistakes; and seeks information about related career options and postsecondary training.

### WORKPLACE CONTEXT & CULTURE



The student understands the workplace's culture, etiquette, and practices; demonstrates professionalism; is punctual; takes responsibility; demonstrates integrity and ethical behavior; acts responsibly with others in mind; knows how to navigate the organization; understands how to build, utilize, and maintain a professional network of relationships and understands the role such a network plays in personal and professional success; understands health and safety risks in the workplace; uses technology related to the industry; and understands the role of employers and employees in communicating about risks, reducing risks, and creating a safe work environment.

Find Essential Skills resources at [www.sdcoe.net/innovation/cte/Pages/EssentialSkills.aspx](http://www.sdcoe.net/innovation/cte/Pages/EssentialSkills.aspx)



1. More important for **initial job success**.  
(Technical skills can be taught on the job).
2. **Transferrable** across sectors.

## • WORK-BASED LEARNING •

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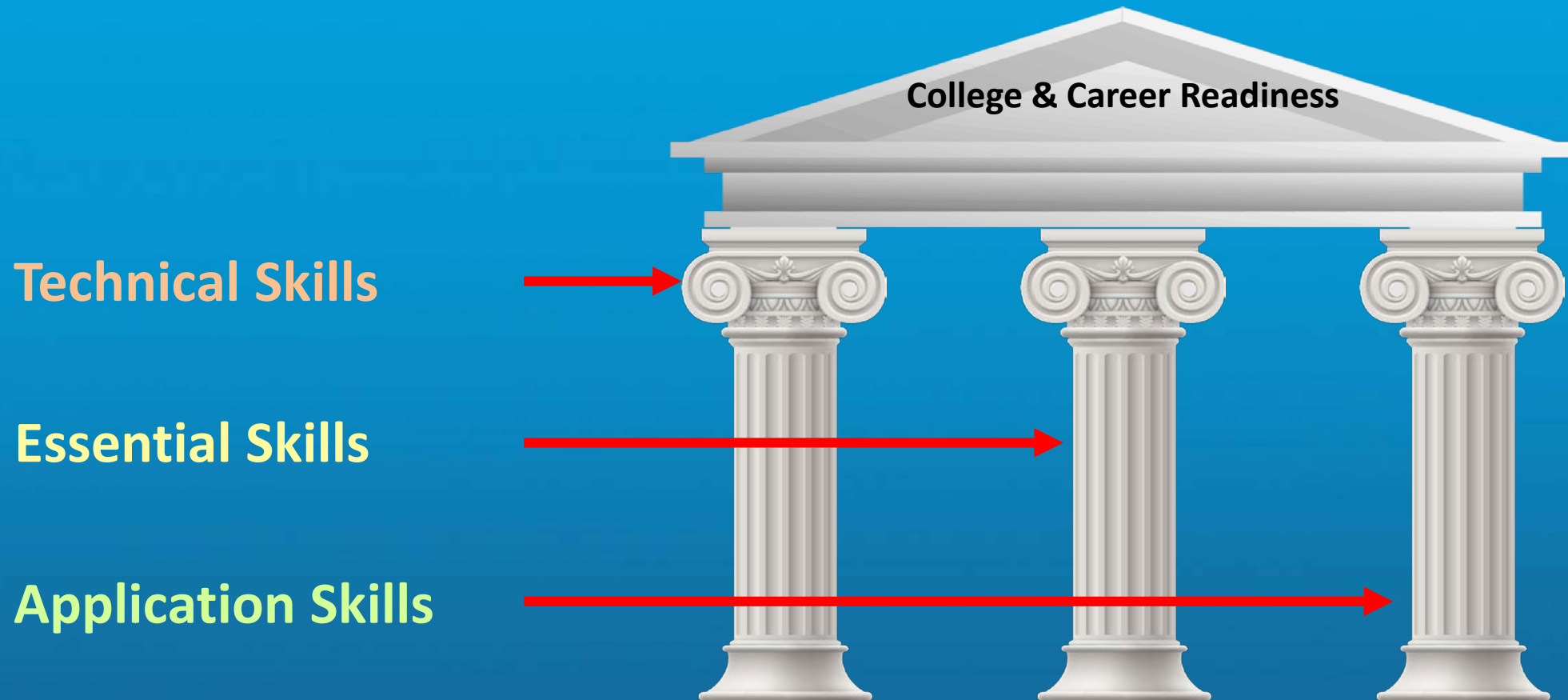
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# Three Pillars of College and Career Readiness



Application Skills

Training Programs

Social Services

College

Scholarships

Aka. How to apply to things...

Apprenticeships

Financial Aid

Jobs

Grants

# Balboa Park High School

“I got an A in my Engineering course.”

“In my engineering class, we designed and manufactured a product for a **real-world client**, using an **iterative design process**. During the project, I completed **over 40 hours** of training and use for a **CNC milling machine** and **lathe machine**.”

# Application Skills

Schedule application and essential skills trainings at...

[www.sdcoe.net/CTEevents](http://www.sdcoe.net/CTEevents)

(To be added soon)

- Resume Writing/Design
- Interview Techniques
- Elevator Pitches

**• WORK-BASED LEARNING •**  
**ESSENTIAL SKILLS**

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 Adapted from the San Diego Workforce Partnership  
Essential Skills for Success

**COMMUNITY COLLEGES**

SAN DIEGO & IMPERIAL COUNTIES

**CAREER EDUCATION**

# MS/HS Engagement Work-Based Learning Resources

# MS/HS Engagement Work-Based Learning

## Industry Connections Coordinators San Diego & Imperial Counties Community Colleges

### Monica Rosas

- Advanced Manufacturing
- Advanced Transportation & Logistics
- Business & Entrepreneurship
- Global Trade

[monica.rosas@gcccd.edu](mailto:monica.rosas@gcccd.edu)

### Heather Cavazos

- Health
- ICT & Digital Media
- Life Sciences & Biotechnology

[heather.cavazos@gcccd.edu](mailto:heather.cavazos@gcccd.edu)

# Industry Connections Coordinator

We work with K-12 pathway teachers, CTE Directors, CTE Counselors to schedule Work-Based Learning opportunities:

- Classroom presentations
- Internships / mentorships
- Industry tours / job shadows
- College campus tours
- Sector specific events
- Professional Development for teachers
- Parent Engagement





# Regional School District Calendars

| County    | School District    | 2019 Spring Break | 2019 Summer Break | 2019 Fall Break        | 2019-2020 Winter Break | 2020 Spring Break | 2020 Summer Break |
|-----------|--------------------|-------------------|-------------------|------------------------|------------------------|-------------------|-------------------|
| San Diego | Bonsall Unified    | 4/19-4/26         | 6/5-8/20          | 11/25-11/29            | 12/23-1/3              | 4/10-4/17         | 6/10-Aug          |
| Imperial  | Calexico Unified   | 4/19-4/26         | 6/14-August       | TBD                    | TBD                    | TBD               | TBD               |
| Imperial  | Calipatria Unified | 4/19-4/26         | 6/12-August       | 11/25-11/29            | 12/23-1/3              | 4/13-4/17         | 6/11-Aug          |
| San Diego | Carlsbad Unified   | 4/1-4/5           | 6/13-8/28         | 11/25-11/29            | TBD                    | TBD               | TBD               |
| Imperial  | Central Union      | 4/18-4/26         | 6/4-August        | TBD                    | TBD                    | TBD               | TBD               |
| San Diego | Coronado Unified   | 3/25-3/29         | 6/13-August       | TBD                    | TBD                    | TBD               | TBD               |
| San Diego | Escondido Union    | 4/15-4/19         | 6/3-8/14          | 11/25-11/29            | 12/23-1/7              | 4/6-4/10          | 5/29-Aug          |
| San Diego | Fallbrook Union    | 4/12-4/19         | 6/5-8/12          | 11/25-11/29            | 12/20-1/3              | 4/6-4/13          | 6/3-8/17          |
| San Diego | Grossmont Union    | 4/15-4/26         | 6/5-8/14          | 11/25-11/29            | 12/23-1/3              | 3/30-4/10         | 6/4-8/12          |
| Imperial  | Imperial Unified   | 4/19-4/26         | 6/6-8/19          | 11/25-11/29            | 12/23-1/3              | 4/10-4/17         | 6/4-8/17          |
| San Diego | Oceanside Unified  | 4/8-4/12          | 6/13-8/19         | 11/25-11/29            | 12/23-1/10             | 4/6-4/10          | 6/11-Aug          |
| San Diego | Poway Unified      | 4/15-4/19         | 6/13-8/21         | 11/25-11/29            | 12/23-1/3              | 4/13-4/17         | 6/11-8/19         |
| San Diego | San Diego Unified  | 3/25-3/29         | 6/11-8/26         | 11/25-11/29            | 12/23-1/3              | 3/30-4/3          | 6/9-Aug           |
| San Diego | San Dieguito Union | 4/8-4/12          | 6/14-8/27         | 11/25-11/29            | 12/23-1/3              | 4/6-4/10          | 6/12-Aug          |
| San Diego | San Marcos Unified | 4/1-4/5           | 6/12-8/20         | 11/25-11/29            | 12/23-1/10             | 4/6-4/10          | 6/10-8/17         |
| San Diego | Sweetwater Union   | 3/25-4/5          | 6/7-7/22          | 9/23-10/4, 11/25-11/29 | 12/23-1/14             | 3/23-4/3          | 6/5-7/19          |
| San Diego | Vista Unified      | 3/25-3/39         | 6/7-8/14          | 11/25-11/29            | 12/23-1/6              | 3/30-4/3          | 6/3-8/17          |

# MS/HS Engagement Activity Highlights

## Student Activities Classroom Presentations / Internships / Mentorships



**Cybersecurity Presentation**  
ICT & Digital Media



**Scripps High School Exploration Internship Program**  
Health



**Global Trade Internship Program**  
Global Trade

# MS/HS Engagement Activity Highlights

## Student Activities Industry Tours / Job Shadows / Campus Tours



San Diego Blood Bank / Grossmont College  
Health



BD Biosciences / Miramar College  
Adv. Manufacturing & Biotech



Pull Tarps / Cuyamaca College  
Adv. Manufacturing & Global Trade

# MS/HS Engagement Activity Highlights

## Student Activities Sector Specific Events



Health Career & Public Safety Exploration Day  
Southwestern College – HEC Otay Mesa  
**Health**



Biotech Day – Miramar College  
**Life Sciences & Biotech**



Imperial Valley College Day  
**All Sectors**

# MS/HS Engagement Activity Highlights



**Counselor Conference**  
**All Sectors**

## Teacher Activities Professional Development Events



**North County Careers in Adv. Manufacturing & Global Trade**  
Palomar College / Johnson Matthey  
**Adv. Manufacturing & Global Trade**



**Regional Curriculum Assessment Teaching Exchange**  
MiraCosta College  
**Business & Entrepreneurship**



**Health & Science Pipeline Initiative  
(HASPI) Educator Conference**  
**Health**

# MS/HS Engagement Work-Based Learning

**Contact us to set up a WBL activity for your students!**

**Industry Connections Coordinators**  
**San Diego & Imperial Counties Community Colleges**

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