



Irvine Unified School District
Career Technical Education (CTE) Advisory Committee

May 9, 2024 at 4:30 PM - 6:30 PM

Irvine Unified ~ Learning Center
3387 Barranca Pkwy, Irvine, CA 92606
Room 6



Agenda

CTE Advisory Committee Meeting Desired Outcomes:

The Career Technical Education (CTE) Advisory Committee develops recommendations on the District's CTE program and serves as liaison between the District and potential employers. (Education Code 8070). Inform the development and continuous improvement of the CTE Comprehensive Local Needs Assessment.

Time:	Agenda Items:	Discussion:
4:36pm	<ol style="list-style-type: none"> 1. Welcome and Introductions <ol style="list-style-type: none"> a. Committee Chair calls meeting to order b. Meeting Protocols & Logistics c. Meeting Norms d. Review and Recommend approval of the May 1, 2023 Committee Meeting Minutes e. Introduction: College, Career, and Life Readiness Team f. Introduction: CTE Advisory Committee Members g. Educational Partners h. Purpose and Background i. District Facility Project Update 	<ul style="list-style-type: none"> • Welcoming: Brian Dozer Superintendent of Coastline ROP • 4:36 Introduction of College and Career Readiness Team by Ulises Garcia: <ul style="list-style-type: none"> ○ Keith Tuominen, Elena Guerena, Ulises Garcia, Connie Jacobs, Natalia Guidotti, Vicky Hsu, Jenny Thai, Natalie Uburtis (not present) ○ Students: Kieren Garcia, Nathan Phan, Juliana (not present), Julia Murdock, Simar Kaur, Palwasha Hasan (Northwood HS), Yuliana Cherivko (not present) ○ Parents: Hendrik Szurmant, Heather Epstein, Richard, Stella (not present) ○ Teacher: Archana, Daniel, Cassandra, Trish, Nga, Christy, James (not present), Kevin, Marissa, Scott (not present), Brett (not present), Rajanpal (not present) ○ Pepper, Carlos, Dr. Armia (not present), Jas, Shalonda (not present), Scott, Lisa (not present), Ryan Painter (not present), Steve Knomiller, Jeremy Tom ○ Board Member: Katie (IUSD), Lauren (IUSD), ROP Board member ○ Community: Dennis from Vital Link • Brian Dozer provided an overview of the agenda, meeting norms, and introduction: Approved minutes from last school year, Motion from Carlos, Second by Pepper
4:51pm	<ol style="list-style-type: none"> 2. Continuous Improvement Guidance 	<ul style="list-style-type: none"> • 4:51 Ulises shared Rationale of Purpose and Background, shared via email current and upcoming facilities projects, Committee members are encouraged to ask questions if curious about facilities, priorities, and requirements, CLNA to see where there are potential gaps and addressing it,

		Over of CTE (core academic content with tech skills, goals for students to go through sequence of courses to attain CTE pathway completer, CTE falls under 15 industry sectors, 54 pathways under those sectors, at IUSD there are 19 pathways, our program match the Labor Market
4:57pm	3. Labor Market Information - Center Of Excellence	<ul style="list-style-type: none"> ● 4:57 Jesse provided general overview of Centers of Excellence for Labor Market Research: Provide research for Community College, working with K-12 partners, Reviewed cost of living, \$30.48 MIT Living Wage went up \$7, CA Community College use for incentive metric is \$20.63, Orange county has a high cost of living because of housing, 52% increase in cost of living based on housing, cost of food, gas, healthcare, OC Business Council provide reports and shares information about housing cost, keeps increasing, need to earn \$40.63/hour and work a 40-hour week to afford a 1-bedroom in OC, Impacts what students can afford, reviewed OC Home Ownership Rate by Ethnicity to see how we can address equity gaps, present on Orange County Labor Market overview and data, use data to close equity gaps, ● Diego reviewed the 8-point criteria, 338 occupations went into the report, Criteria-jobs are those hired in occupation, change, annual openings/demand who we want to hire, a living wage, resilient, U.S. and World Report, Lightcast's Automation Index, a quarter of occupation in the health sectors, occupations towards the bottom not many occupations in this sector, ● Jacob reviewed Occupational skill level, middle skills (Community College degree), above (University degree), below (no Community College degree), Retail affected by Covid and bouncing back and therefore growing now, Business and Entrepreneurship lots of jobs, slower growth, Entry-level wages-Information and Communication Technologies highest wage, Automation Index by Sector ICT lowest risk by automation, Retail, hospitality, and tourism highest risk, lower risk higher knowledge base, higher risk routine type of jobs, ethnicity and gender that are impacted, male/female-dominated sectors, 26 out of 338 occupations scored 8 out of 8 points, registered nurses (#2), General and Operations Managers (#1) does not need a 4-year degree but experience, not all occupations do not require 4-year degrees, healthcare profession occupation is best of the best occupation ● Jesse shared she was asked to share some recommendations, but this is challenging, Information and Communication Technologies (ICT)/Digital Media (graphic design, actors, etc.), 30 occupations on the report of the 49 occupations, 7K demand, supply 3K, labor gap 4K, ICT vs. Digital, 11

		<p>digital media (20% of jobs filled), wage disparities between ICT vs. Digital because digital media is not necessarily a salary, 19 occupations not on the report because did not hit, data scientist one of best occupation, demographics, white male dominated in the ICT/Digital Media sector, how are we addressing equity gap in labor market specifically in ICT/Digital Media sectors, O.Net resource and use the report to talk to parents, students, etc. to close labor market gap</p> <ul style="list-style-type: none"> • 5:35 Dennis asked if they have a report of occupations that are directly negatively impacted by automation and benefited from automation, but this report is not available per Jesse • Ulises shares that ICT/Digital Media is a pathway that we have a good number of offerings look into health care, CTE teachers require a credential and pose a challenge, recruiting teachers is another challenge
5:40pm	4. Academic Counseling and Career Guidance	<ul style="list-style-type: none"> • Ulises shared that Connie will provide resources at a later time, and move on to student presentations
5:41pm	5. CTE Student Perspectives	<ul style="list-style-type: none"> • Students share out about 2-3 minutes • 5:41 Julia Murdock: UHS, sharing about her interest, wants to be a lawyer, engineering pathway, OC pathway ambassador, provided a different learning experience, physics was challenging, in engineering she was able to learn about physics but in a practical sense, met best friends from working on hands-on projects, excited to go to engineering because can apply her learning, crucial skills learned (teamwork, public speaking, problem-solving), shared images of different projects, recommendation to build awareness of CTE courses with students • 5:44 Kieren Garcia: WHS, shared her interest and future career, CTE course provided her with flexibility in different projects, made friends, project management, organizational skills, learned new skills, worked on the job application process, learned how to format resume, and participated in mock interviews, shared pictures of projects • 5:47 Nathan Phan: IHS, shared his aspiration, engineering pathway, computer science pathways, and business pathway, took different pathways to explore what he would like, shared pictures of his projects, recommendation to build awareness of CTE, didn't know the details and opportunities from CTE, provide a CTE event to spark interest • 5:53 Simar Kaur: PHS, shared interests, aspirations, CTE Intro to Business course, DECA competition, learned how to make a balance sheet, made new friendships and peers are committed, motivated, wants to be a neurologist and wants to build her business, learned how to market, helped her to be ready for college, shared pictures of her

		<p>projects, recommendation to share the different steps, share all the CTE classes with students</p> <ul style="list-style-type: none"> • 5:57 Yuliana Cherevko: IHS, shared her passion, engineering pathway, computer science pathway, joined different CTE experiences, given base knowledge, given the opportunity to learn soft and hard skills, helped her assimilate in the US, build on her language acquisition, helped her to decide what she wants as a career, shared images of her projects. School Counselors to provide information about CTE courses when counseling students about courses • 6:06 Palwasha Hasan: NHS, Public Services Pathway, connected with peers, gained mentors, optimistic, improved communication skills, gained opportunity knowledge, made connections with industry professionals, deeper insights as to positive and downsides of career, strengthened her college application, presentation skills, research skills, carry skills to her content area classes, critical skills are developed and think for yourself, don't find these skills being developed in non-CTE classes, shared images of activities she engaged in with her peers. Recommendations to cater to what students are interested in and keep up to date with student interests • Ulises shared his takeaways from students' presentations: transferable skills, activities students can engage in, and authentic learning experiences.
6:12pm	6. Engineering Pathway Presentation	<ul style="list-style-type: none"> • 6:12 Archana Jain: IHS teacher for engineering 7-8 years ago. 4-year pathway; project lead the way courses. Intro, principles, aerospace, design, and development. One-year electives. Few ways to enter the pathway. Multiple competitions where students have to defend their projects to panels. Courses get them to a level, but beyond that are so many opportunities for students to dive deeper. Getting students interested in it so that they are passionate about it. Students in math have trouble understanding, but by giving the issues purpose and the ability to have fun students can understand better. Tries to get out and do fun activities with her students. Students learn more than just engineering, they learn transferable skills. Ideas: increase staffing (one teacher can only do so much), another specialization offered, and honors points.
6:22pm	7. Manufacturing Pathway Presentation	<ul style="list-style-type: none"> • 6:22 Daniel Pilchman: Woodbridge High School. Design lab, animatronics, and design model making and rapid prototyping. Animatronics learn how to make things start moving. Design, model making, rapid prototyping dual enrollment - making lightsabers. Engage in the community. 3 field trips this year, and 8 next year. Making sure they are engaging with other programs and other schools. Just finished a month at Yes Workforce doing mock

		interviews.
6:25pm	8. Irvine Unified CTE Program Overview <ol style="list-style-type: none"> Size, Scope, and Outcomes Coastline ROP Report CTE Program Priorities Improvement Opportunities 	<ul style="list-style-type: none"> 6:25 Uli. Showing zoomed-in perspective on the program. Authentic learning experience. CTE funding grants. Projected funding of a little over 2 million. 624,000 left from the CTE incentive grant (CTEIG). Significance of getting 100% of the asked amount. Responsible with our resources so we can continue to get funding. Spending deadlines - want a proper return on investment. Most go into industry-specific equipment, field trips, curriculum developments, etc. "Your district should be able to provide the cake even if we don't give any money. The money is the extra cherry on top." Umbrella of College Career Life. CTE is only one of them but provides great resources. Dual enrollment - able to take college courses in high school. Connie supports this. 2018 two courses and now we have 40 classes for dual enrollment. Early college exposure with technical skill opportunities. 13/15 of sectors represented. We offer 19 career pathways. 6:30 Brian Dozer: 21-24 data enrollment. Anything offered during the day (in the bell). Small drop because auto teachers are difficult to find and one left. Created dual enrollment with Saddleback College. After the bell, there has been big growth, particularly in virtual classes. A lot of IUSD students go to ROP for those. Awareness and engagement are important and his goal is that every student in all 4 districts ends up in some CTE class and has some sort of WBL experience. 1251 certifications 107 internships. High school student working as a CNA right now. Middle school exhibit days every 8th grader at every Irvine middle school will be exposed to CTE and ROP classes during these exhibit days. 6:34 Uli is speaking about our courses and the percentages of students per industry sector. We have seen growth since the beginning of CTE in 2013. We are projected to have a 14% growth in enrollment. There will be more sections and an enrollment of 35% of our high school students who take CTE courses. Completers: area of growth for us. 12% complete a pathway. Most we reach out to are enrolled in community or 4-year colleges. 45-47% go to a 4 year college (CTE completers tend to go more to a 4 year). Sub-categories: the numbers are so small that it is difficult to identify the growth. Students who are not CTE completers tend to be more proficient in math - and may need to incorporate more math. For science, some benefits for students who complete a pathway, but not so much with English learners. English learners tend to be underrepresented in CTE classes so additional work is needed. Female students tend to be underrepresented in CTE classes. Diversity is seen in arts, media, and entertainment, but less in architecture, engineering, and health science.

		Students with disabilities have higher participation in automotive.
6:41pm	9. Collaborative Stakeholder Breakout Groups and Program Recommendations	<ul style="list-style-type: none"> Sending questions out for feedback. Concluded meeting.
6:42pm	10. Other	<ul style="list-style-type: none"> Questions?
6:42pm	11. Adjournment	<ul style="list-style-type: none"> 6:42

Attendance - Committee Members	Attendance
Archana Jain Brian Dozer - Chair Carlos Oregon Cassandra Gaona Christy Haley Connie Jacobs Daniel Pilchman Heather Epstein Hendrik Szurmant PhD Jas Kaur Jeremy Tom Julia Murdock Juliana Cherevko Keith Tuominen Kevin O'Connell Kieren Garcia Marissa Ayala Mark Borison Nathan Phan Nga Le Pepper Russell Richard Garcia Scott Bennett Simar Kaur Stella Maris Ortega Steve Knollmiller Trish Gilpin Ulises Garcia	Jenny Thai Jesse Crete Diego Mosquera Vicky Hsu Jacob Poore Kasey Eckels Keegan Bell Steve Sellwood Natalie Baptiste Lauren Brooks James Piccolo Kris Kough Allison Robbins Katie McEwen Natalie Uburtis Kortney Tambara Gary Russell Michelle Tachick Dennis Brangwin Palwasha Hasan Natalia Guidotti Annie Brown