

BOARD STUDY SESSION: CTE and STEAM

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SUPERINTENDENT

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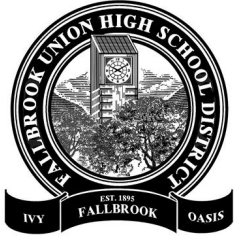
Study Session Agenda

- Establishing a common language
- What is CTE?
- CA STEAM Symposium Debrief
- FUHSD Goals and Program Vision



Establishing a Common Language

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- ★ **academic alignment:** connection between career technical education (CTE) standards and core curriculum standards.
 - ★ **anchor standards:** standards common across all industry sectors, built on Career Ready Practices, and repeated with more specificity within the industry sector pathway.
 - ★ **career pathway:** a pathway unique to an industry sector, has an occupational focus, consists of similar functions, includes standards that demonstrate sequence potential, and is reasonable and appropriate for high school students.
 - ★ **industry sector:** a group of companies that operate in the same segment of the economy and share a common business, business activities, or characteristics. The 15 industry sector groups organize CTE programs to align with CA top-employing business sectors.



Establishing a Common Language

- ★ **integrated curriculum:** blend of standards and content from two or more core academic subjects, with CTE content bringing relevance and providing applications that add meaning to subjects that can be abstract.
- ★ **pathway standards:** standards that determine what students need to know and be able to do to prepare for career entry or progression into a postsecondary program.
- ★ **performance indicators:** indicators that further define pathway standards, providing guidance for curriculum design and measurement of standards achievement.
- ★ **work-based learning:** education strategy that links classroom instruction to work-related experiences.

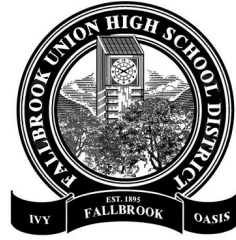
CTE



What is Career and Technical Education?

- educational strategy designed to prepare students for ongoing education, long-term careers, citizenship, and entry into the workplace. CTE responds to the needs of the economy with regard to both industry focus and skills that are taught.
- required under EC 51228.
- consists of Standards for Career Ready Practice aligned with the state's anchor standards for CTE and reflect the expectations from business and industry, labor and community organizations, and second and postsecondary education representatives from 42 participating states.

STEAM



Science, Technology, Engineering, the Arts and Mathematics

- ❖ an educational approach to learning that uses Science, Technology, Engineering, the Arts and Mathematics as access points for guiding student inquiry, dialogue, and critical thinking.
- ❖ an approach to integrating the content areas together and making connections across the content standards.
- ❖ an approach that explores inquiry, connections and integration and intentionally pairs content areas.
- ❖ Intentionally involving two or more standards from the content areas to be taught and assessed in and through each other.



CA STEAM Symposium Debrief

- **Diane Summers, Board President**
- **Lita Tabish, Trustee**
- **Dr. Narciso Iglesias, FUHS Principal**



FUHSD GOALS and PROGRAM VISION

DISTRICT GOALS

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- Enhance opportunities for student achievement and success
 - Establish and maintain fiscal responsibility and solvency
 - **Continue to establish, implement and refine CTE programs based on student interests, needs and industry growth**
 - Provide modernized and new facilities to optimize student achievement



CURRENT INDUSTRY SECTORS

- Agriculture and Natural Resources
- Arts, Media, and Entertainment
- Engineering and Architecture
- Hospitality, Tourism and Recreation
- Information and Communication Technologies
- Manufacturing and Product Development
- Transportation



Next Steps



THANK YOU!



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