



# Common Core and CTE

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## *Presentation to the Career Clusters Institute*

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# Natural Intersections

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- College and Career as a goal
- Focus on Application
- Technology is integrated
- Non-fiction writing a cornerstone



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# California's Approach

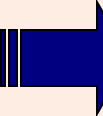
- CTE is represented on every CC committee
- CTE is central to high school reform
- CTE is a section in the state CC implementation plan
- CTE standards are being aligned to the CC – fall/winter 2012-13



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# CTE Standards Revision

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- Parallels the national Common CTE Core Standards development
- Review, development, refinement, public review, State Board approval
- Addition of Career Ready Practices
- Industry Sector Foundation Standards   
Industry Sector Anchor Standards
- Renaming some pathways, adding some new pathways
- Framework is the next project



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# CTE Standards

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The CTE standards  
are a tool to:

- Foster the Career Readiness of all students.
- Support mastery of essential employability skills and rigorous academic content
- Develop a highly skilled and educated workforce which contributes to economic prosperity
- Support a seamless transition to postsecondary education and/or career entry
- Improve student achievement



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# CTE Standards

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## Common Core Considerations for CTE:

- More than individual presentations, emphasize teams, groups, pairs
- Utilize technology to demonstrate learning/mastery
- Use application, integration, critical thinking, problem solving
- Use research-based approach
- Use similar verbs whenever possible
- Career and postsecondary readiness is the goal for all educators



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# CTE Standards

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## **CCSS and CTE Shared Criteria:**

- Fewer, clearer, higher
- Research and evidence based
- Reasonable in scope
- Essential, rigorous, clear, specific and coherent
- Aligned with postsecondary and work expectations
- Measurable

# Structure for Standards Development

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## Research

- Bloom's Taxonomy (Revised)
- Rigor and Relevance Framework – Bill Daggett
- Depth of Knowledge - Norman L. Webb (Used by Smarter Balanced)
- Knowledge Dimension - Anderson, Lorin and David Krathwohl
- Combination





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# Beyond Knowledge Hierarchy

## Knowledge

### **Create**

Reorganize elements  
to form a coherent whole

### **Analyze/Evaluate**

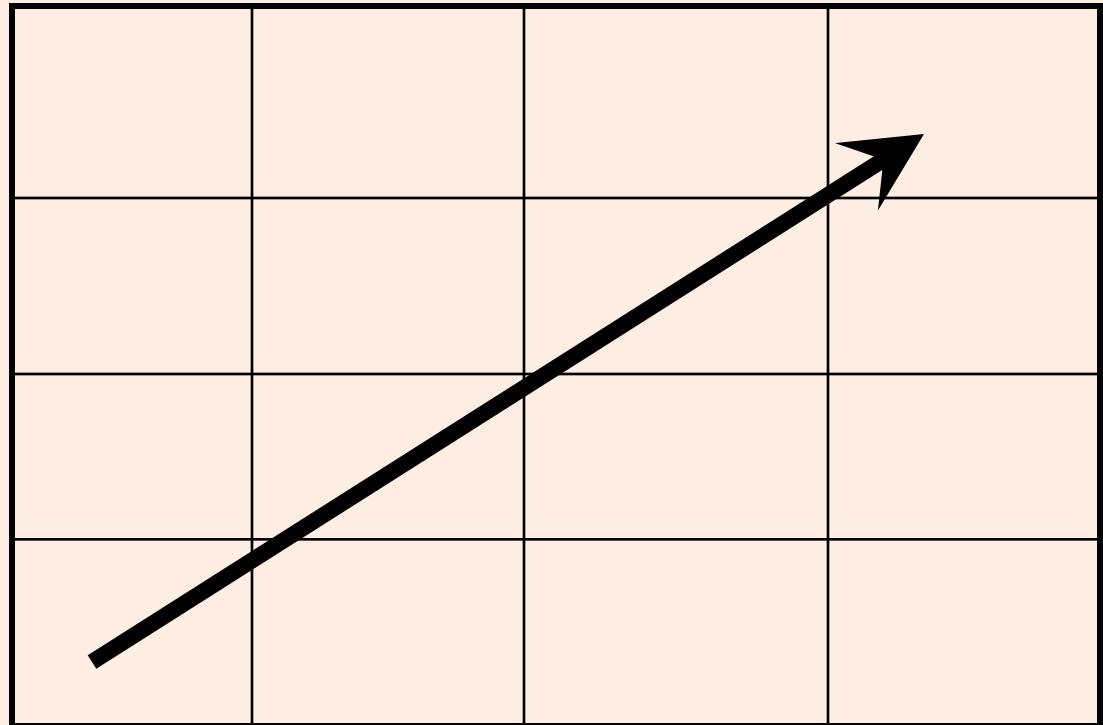
Differentiate, determine  
how parts relate, find  
coherence

### **Understand/Apply**

Construct meaning  
clarify, give examples

### **Remember**

Retrieve knowledge,  
recognize, recall, locate



## Performance

Build from simple to  
complex

### **Level 1**

Apply one-step  
process to  
solve routine  
problems

### **Level 2**

Demonstrate  
multiple step  
decision-making  
to solve routine  
problems

### **Level 3**

Construct  
solutions to non-  
routine problems  
using a  
sequence of  
steps

### **Level 4**

Solve non-  
routine real world  
complex  
problems using  
multiple steps  
and sources



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# Verbs

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<u>Remember</u>	<u>Understand/Apply</u>	<u>Analyze/Evaluate</u>	<u>Create</u>
Access	Adhere	Analyze	Advocate
Define	Apply	Assess	Build
Describe	Classify	Comply	Compile
Find	Communicate	Compare	Compose
Identify	Compare	Contrast	Construct
Label	Demonstrate	Deconstruct	Create
List	Develop	Deduce	Design
Locate	Discriminate	Defend	Devise
Match	Employ	Detect	Formulate
Name	Explain	Diagram	Invent
Recall	Implement	Differentiate	Plan
Recite	Infer	Discern	Predict
Recognize	Interpret	Distinguish	Produce
Remember	Maintain	Enhance	Reconstruct
Retrieve	Organize	Evaluate	Reorganize
Select	Participate	Experiment	Synthesize
State	Practice	Explore	
	Promote	Illustrate	
	Summarize	Integrate	
	Transfer	Research	
	Understand	Solve	
	Use	Test	



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# Strategic Questions

- Does the state's CC implementation plan and team include Career Technical Education?
- What policy anchors exist in your state to ensure students are career and college ready?
- Is CTE available and accessible for all students?
- Is application integral to all courses?
- Are critical academic and career ready skills identified and taught in all classes including CTE?
- Are CTE instructors given opportunities to participate in sustained professional learning?



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# Strategic Questions

- What standards are used to guide CTE curriculum development?
- Are CTE courses standards based?
- Are there defined Programs of Study that include academic and CTE courses?
- What processes and tools exist to assist districts and schools in developing integrated curricula?
- Is Perkins funding being used to assist in CC implementation?
- Are partnerships established with higher education to facilitate student transitions?



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# Strategic Questions

- Is dual enrollment and dual credit authorized and utilized to assist students in reaching their goals?
- Are CTE courses utilized in determining college admission and placement?
- How are CTE pathways and courses used to increase student options?
- What alternative means for graduation are in place for students?
- Are there incentives and awards for students excelling in CTE programs?
- Are CTE student organizations supported?



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# Strategic Questions

- Should the middle and high school course of study include career themes, pathways, or academies?
- How is Counseling and Guidance incorporated into CC implementation?
- What business involvement and investment exists to support CC implementation and CTE programs?
- Is structured work-based learning utilized?
- Are CTE courses designed to assist English language learners' achievement?
- Are adequate resources provided to support the implementation CTE involvement in CC?



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# Resources

- Full text of the Common Core State Standards: <http://www.scoe.net/castandards/index.html> (Outside Source)
- Information about the common core: <http://www.corestandards.org/> (Outside Source)
- Information about the common core including implementation timelines: <http://www.cde.ca.gov/ci/cc/>
- PARCC information: <http://www.fl DOE.org/parcc/> (Outside Source)
- SBAC information: [www.k12.wa.us/SMARTER](http://www.k12.wa.us/SMARTER) (Outside Source)
- Center for K-12 and Performance Management at ETS: <http://www.k12center.org/publications.html> (Outside Source)
- Career Technical Education Model Curriculum Standards & Framework <http://www.cde.ca.gov/ci/ct/>



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# For More Information

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