



Common Core and CTE

Presentation to the Career Clusters Institute

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Natural Intersections

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



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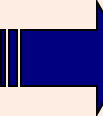
California's Approach

- 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

- 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

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

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

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

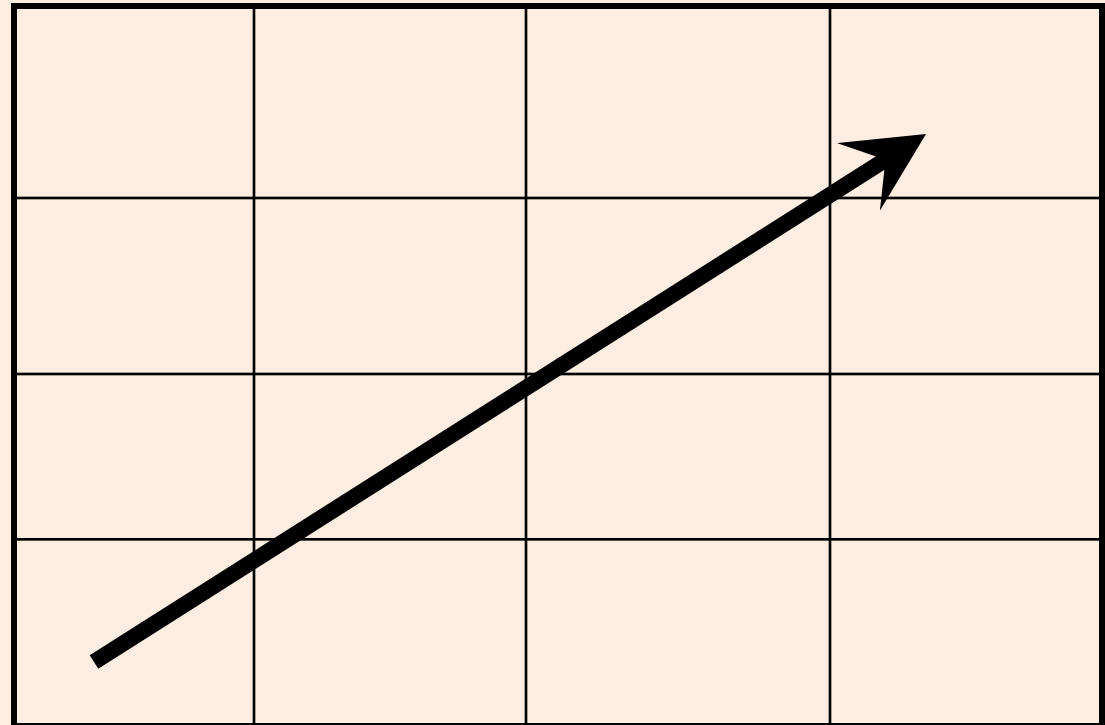
Differentiate, determine
how parts relate, find
coherence

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

Remember

Access
Define
Describe
Find
Identify
Label
List
Locate
Match
Name
Recall
Recite
Recognize
Remember
Retrieve
Select
State

Understand/Apply

Adhere
Apply
Classify
Communicate
Compare
Demonstrate
Develop
Discriminate
Employ
Explain
Implement
Infer
Interpret
Maintain
Organize
Participate
Practice
Promote
Summarize
Transfer
Understand
Use

Analyze/Evaluate

Analyze
Assess
Comply
Compare
Contrast
Deconstruct
Deduce
Defend
Detect
Diagram
Differentiate
Discern
Distinguish
Enhance
Evaluate
Experiment
Explore
Illustrate
Integrate
Research
Solve
Test

Create

Advocate
Build
Compile
Compose
Construct
Create
Design
Devise
Formulate
Invent
Plan
Predict
Produce
Reconstruct
Reorganize
Synthesize



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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.fldoe.org/parcc/> (Outside Source)
- SBAC information: 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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