



Career and Technical Education Course Revisions: Second Reading Update and Next Steps

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Multi-Phased Approach: Overview

Phase	Goal	Implementation
Phase I	Streamline our existing courses and programs of study	2013-2014 SY
Phase II	Add relevant new courses and new programs of study, revise courses to align to higher student expectations	2014-2015 SY
Phase III	<i>Measure success of students with rigorous assessment options for all courses</i>	2014-2017

Immediate Wins:

- Eliminate redundancies
- Streamline for greater flexibility
- Organize curriculum in POS using existing courses

2013-14

Deeper Dive:

- Revise existing courses
- Develop new courses
- Increase relevance of POS to reflect stronger alignment

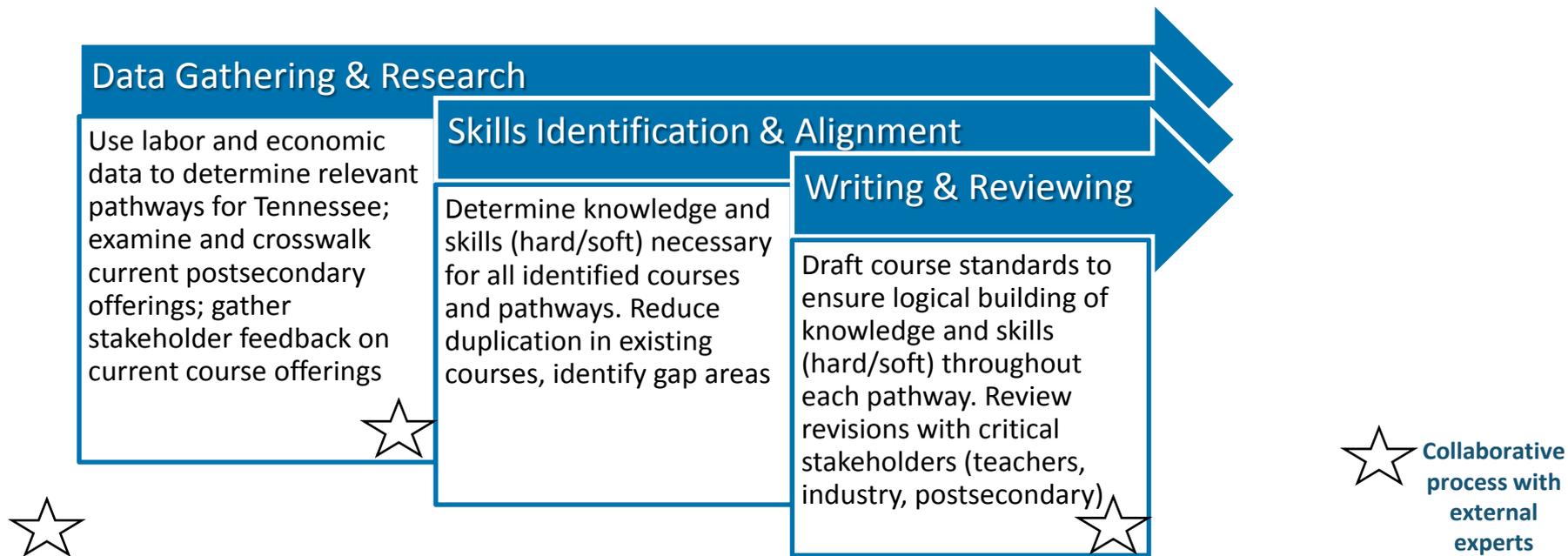
2014-15

Provide opportunities to measure student achievement using assessment options.

2015-17

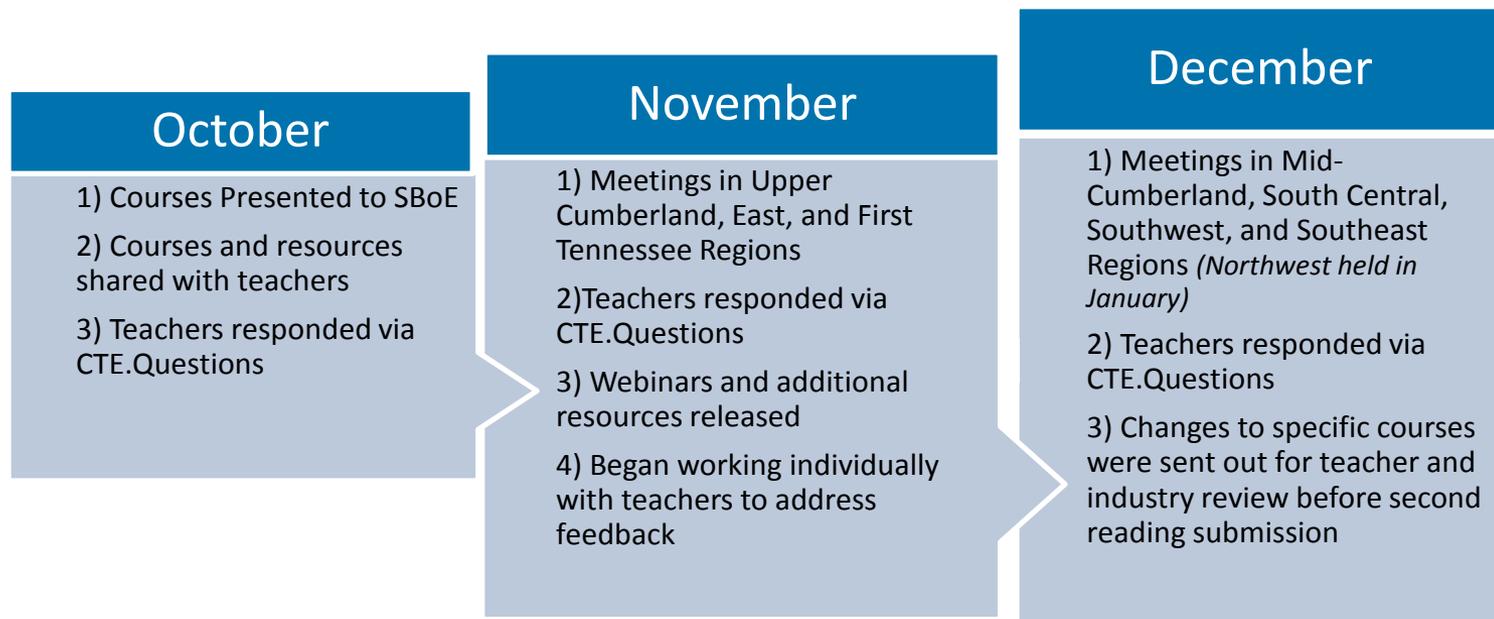
Course Standards Revision Process: Overview

1. **Data Gathering and Research:** Determine needs and opportunities of state and the strengths of existing CTE course offerings.
2. **Skills Identification and Alignment:** Determine specific knowledge/skills needed for students to be successful in identified courses and pathways.
3. **Writing and Reviewing:** Craft revised course standards and vet recommendations with key stakeholders.



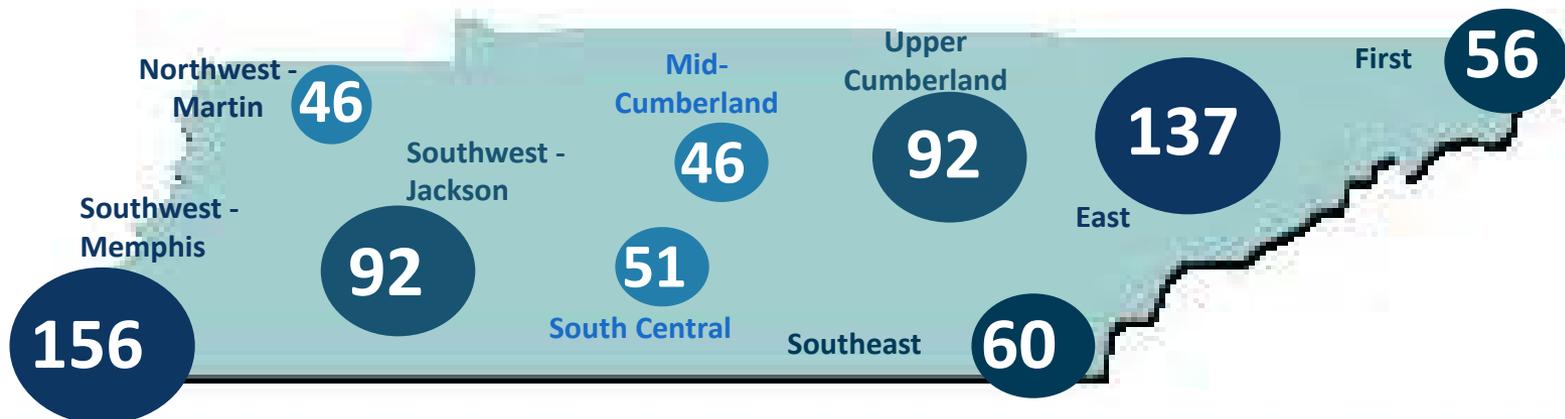
Final Reading Courses: Review Process

- CTE Teachers and Administrators received standards and instructions on providing feedback via email and website updates
- CTE.Questions@tn.gov email address was established to accept input
- Regional meetings were held across all three grand divisions



Final Reading Courses: Teacher Feedback

- CTE.Questions@tn.gov provided an opportunity for **over 130** (*unique count*) **teachers to provide feedback** on, and to ask questions about, the new standards
- Regional Meetings provided an opportunity for **over 700 teachers** to talk through new standards
 - *Regional trips included visits to 25 schools across 19 counties*
- Overall, **over 1,000 teachers and administrators** provided feedback during the open comment period
 - *>200 contacted individual career cluster consultants by phone*



Final Reading Courses: Resources

Recorded Webinars

Walked through standards changes in-depth
Reviewed transition to Career Clusters, which occurred in 2012-13 SY
Gave overview of new courses and Programs of Study

Communications Supplements

Frequently Asked Questions

Myths vs. Facts

Overview One-Pager

Process Highlights

Next Steps Checklist

Each
Cluster

Course Supports

Resources List

Equipment List

Standards Crosswalk

Each
Course

Final Reading Courses: Revisions

- Highlights of some changes - based on teacher and industry feedback

Agriculture

- Revised language to add clarity
- Added CCSS Math alignments
- Addressed content gap areas identified by teachers

Human Services

- Significantly edited and renamed a Level 1 course
- Aligned content in *Nutrition Science and Diet Therapy*
- Added safety standards to *Early Childhood*

Other Clusters

- Edited *Personal Finance* language to reflect more industry terminology
- Added more accurate performance tasks in *GIS* course

Final Reading Courses: Revisions

■ Agriculture, Food, & Natural Resources

- Majority of our questions and feedback from Agriculture teachers were about the retiring of specific content courses

Concern / Question	Response
Lack of ability to cover topics such as hunter education and boater safety with retiring of <i>Wildlife</i> course	Edited standards language in <i>Applied Environmental Science</i> to add specifics about these topics
Retiring of <i>Floral Design</i>	Provided resources to address floriculture standards in <i>Horticulture</i> Program of Study
Retiring of <i>Principles of Agriculture</i>	Standards were shown in <i>Agriscience</i>
Combination of <i>Horse Science</i> and <i>Large Animal</i> courses	New <i>Large Animal Science</i> course is more in line with postsecondary programs, eliminating gaps
Lack of ability to offer interested students specific electives	New <i>Supervised Agricultural Experience</i> course awards credit for student work in a chosen topic – can be used to supplement any Program of Study

Final Reading Courses: Revisions

■ Human Services

- Majority of feedback focused on the transition away from the overarching *Family and Consumer Sciences* course sequencing

Concern / Question	Response
Name of Level 1 course is confusing	Changed course name to <i>Introduction to Human Studies</i>
Concern about lack of connection to traditional FACS education	Reworked certain course standards to be in closer alignment with national FACS standards
Lack of “family” content in standards	<i>Family Studies</i> course is offered
Removal of interior design from basic course sequence	Program of Study relating to this career area was submitted as part of first reading January courses
Removal of personal finance content from certain courses	<i>Personal Finance</i> course is currently required for all students
Concern about retiring of <i>Nutrition & Foods</i>	Updated <i>Nutrition Science</i> course to add lab-science components, reorganize content

First Reading Courses: Highlights

First Reading courses followed **same robust development process**

- **STEM:** Several new STEM Programs of Study representing more rigorous pathways. Course will be easier to implement than current vendor-promoted courses
- **Arts:** Program of Study in Fashion Design
- **Construction:** Program of Study in Interior Design
- **Law & Government:** New courses presented to enhance existing (but limited) offerings in these two career clusters
- **Transportation:** Complete revision of Aviation Program of Study
- **Other:** Course standards revisions in Health Science, IT, Marketing, Finance and Manufacturing

Course Standards Revisions: Next Steps

Professional Development and Resource Materials



CTE Course Standards Revisions: Progress

- Spring – Fall 2013: Research, writing and editing courses
- October 2013: State Board of Education approved courses on first reading
- November – December 2013: Feedback received on courses and regional meetings held
- September – December 2013: Writing and editing of second set of courses for January submission
- January 2014: State Board of Education meeting for final reading of courses and first reading of second set of courses
- February – March 2014: Feedback requested on second set of courses
- March 2014: Revise courses for final reading submission
- March – April 2014: Teacher/administrator professional development sessions, online and in-person statewide
- April 2014: State Board of Education meeting for final reading of second set of courses
- July 2014: *Institute for CTE Educators* – culmination of PD and training
- October 2014: State Board of Education meeting for first reading of third/final set of revised courses and Work-Based Learning guidelines

Course Standards Revisions: Next Steps

Goal: Ensure teachers have input on new standards

Receive teacher feedback & revise second set of courses

- Full course documents are available on the Phase II Website
- Teachers will receive information via teacher email lists
- CTE.Questions@tn.gov will be available to provide feedback

Teacher & Administrator To-Do:

- Review courses, and send in feedback by February 28, 2014 and encourage others to do so as well
- Watch topic and content specific webinars, and read *FAQ*, *Process Overview*, and *Myths vs. Facts* documents for more information
- Use *Resource Lists* and *Equipment Lists* to plan for implementation of courses in 2014-15 SY

Course Standards Revisions: Next Steps

Goal: Support teachers in teaching the new standards: instructional shifts, content, and materials

Provide robust teacher professional development

- Develop additional equipment and resource lists for new courses
- Release additional lesson plans on www.TNCore.org
- Offer spring PD sessions regionally across all three grand divisions
- Provide self-study modules and facilitation resources to teachers and administrators
- Focus on new standards during 2014 *Institute for CTE Educators*

Teacher & Administrator To-Do:

- Visit Career Cluster websites and www.TNCore.org to find helpful materials
- Register online to attend spring PD sessions (March/April)
- Save the date for *Institute for CTE Educators*: July 7-11, Music City Center, Nashville

Course Standards Revisions: Next Steps

Goal: All CTE courses are rigorous and relevant

Continue Phase II Course Revisions

- Final set of course revisions is underway and will be presented at October 2014 State Board of Education meeting
- Work-Based Learning guidelines are being revised to better align with educational and industry opportunities and will also be presented at October 2014 State Board of Education meeting

Teacher & Administrator To-Do:

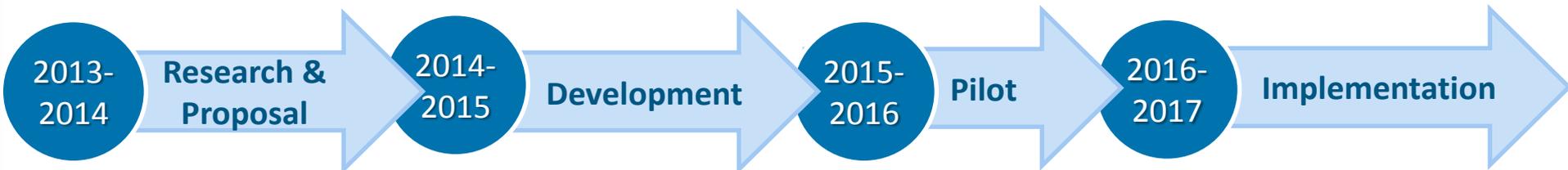
- Email Career Cluster Consultant if interested in serving as a reviewer for upcoming courses
- Read communications released on teacher and administrator email distribution lists to stay up-to-date on various happenings
- Continue to use CTE.Questions@tn.gov for questions and feedback

Next Phase

Phase III

Currently conducting research on feasibility of offering **authentic assessment options for CTE courses**

- Assessment options will present opportunities for LEAs to:
 - Effectively measure and reward student learning
 - Effectively evaluate and give productive feedback to improve teaching
 - Identify and share best practices and lessons learned across the state



Questions?

<http://www.tn.gov/education/cte>





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