CTE
New and Exciting Things Ahead

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CTE LEADERSHIP ACADEMY,
PROFESSIONAL SCHOOL COUNSELOR ACADEMY
OCTOBER 5, 2016
Agenda

- CTE Texas Essential Knowledge and Skills (TEKS) Revision
- Proclamation 2017
- New Projects
- Other Items of Interest
CTE
Texas Essential Knowledge and Skills (TEKS) Revision
Career and Technical Education (CTE)

- Revisions to the CTE TEKS were adopted by the SBOE in 2015 and 2016.
- The revised CTE TEKS are scheduled to be implemented in the 2017-2018 school year.
CTE TEKS-based Courses

191  277
## CTE TEKS Revision

### A Sampling of Course Name Changes

<table>
<thead>
<tr>
<th>Current Name</th>
<th>2017-2018 Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exploring Careers</td>
<td>College and Career Readiness</td>
</tr>
<tr>
<td>Career Portals</td>
<td>Investigating Careers</td>
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<tr>
<td>Problems and Solutions</td>
<td>Project-Based Research</td>
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<tr>
<td>Instructional Practices in Education and Training</td>
<td>Instructional Practices</td>
</tr>
<tr>
<td>Restaurant Management</td>
<td>Introduction to Culinary Arts</td>
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</table>
## CTE Course Crosswalk

### TAC Chapter 130. Career and Technical Education

#### Subchapter A. Agriculture, Food, and Natural Resources

<table>
<thead>
<tr>
<th>2010</th>
<th>Credits</th>
<th>2017</th>
<th>Credits</th>
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<tr>
<td>Principles of Agriculture, Food, and Natural Resources</td>
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<td>Principles of Agriculture, Food, and Natural Resources</td>
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<td>.5 - 1</td>
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<td>Equine Science</td>
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<td>Veterinary Medical Applications</td>
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<td>Advanced Animal Science</td>
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<td>Advanced Animal Science</td>
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<td>Professional Standards in Agribusiness</td>
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<tr>
<td>Agribusiness Management and Marketing</td>
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<td>Energy and Natural Resources Technology</td>
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<tr>
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<td>Principles of Oil and Gas Production (Innovative course)</td>
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<td>Oil and Gas Production I</td>
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<tr>
<td>Oil and Gas Production I (Innovative courses)</td>
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<td>Oil and Gas Production II</td>
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<tr>
<td>Oil and Gas Production II (Innovative course)</td>
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<tr>
<td>Food Technology and Safety</td>
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<td>Food Processing</td>
<td>1 - 2</td>
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<tr>
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<tr>
<td>Range Ecology and Management</td>
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<td>Forestry and Woodland Ecosystems</td>
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<td>Principles and Elements of Floral Design</td>
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<td>Floral Design</td>
<td>1</td>
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<tr>
<td>Landscape Design and Turf Grass Management</td>
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<td>Landscape Design and Management</td>
<td>.5 - 1</td>
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<tr>
<td>Horticulture Science</td>
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<td>Horticulture Science</td>
<td>.5 - 1</td>
</tr>
<tr>
<td>Advanced Plant and Soil Science</td>
<td>1</td>
<td>Advanced Plant and Soil Science</td>
<td>1</td>
</tr>
<tr>
<td>Agricultural Mechanics and Metal Technologies</td>
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<td>Agricultural Mechanics and Metal Technologies</td>
<td>.5 - 1</td>
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<tr>
<td>Agricultural Facilities Design and Fabrication</td>
<td>1 - 2</td>
<td>Agricultural Structures Design and Fabrication</td>
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<tr>
<td>Practicum in Agriculture, Food, and Natural Resources</td>
<td>2 - 3</td>
<td>Practicum in Agriculture, Food, and Natural Resources</td>
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<tr>
<td></td>
<td></td>
<td>Extended Practicum in Agriculture, Food, and Natural Resources</td>
<td>2 - 3</td>
</tr>
</tbody>
</table>

**Note:** The table includes courses with credits ranging from .5 to 2 credits for both 2010 and 2017. The 2017 column includes updated course titles and credits. The table also highlights courses marked as **Innovative course** and **Field Experience**.
Where do I find the new TEKS?

http://tea.texas.gov/index2.aspx?id=4881
Where do I find the new TEKS?

Help Wanted Online-Employment Information for Secondary School Students
Find more information at:
Help Wanted Online-Employment Information for Secondary School Students (PDF, 19KB)

Career and Technical Education Texas Essential Knowledge and Skills
The following links are to the career and technical education TEKS:

New:
Chapter 127 and Chapter 130 Career and Technical Education Texas Essential Knowledge and Skills for 2017-2019

Course Crosswalks:
The course crosswalks show the correlation between the 2010 adopted TEKS currently in use and the new 2015 adopted TEKS that will be implemented in 2017-2018.

Current:
Chapter 127 Texas Essential Knowledge and Skills for Career Development
Chapter 130 Texas Essential Knowledge and Skills for Career and Technical Education

Frequently Asked Questions
Career and Technical Education FAQ (coming soon)

Related Links
The following links are about career and technical education TEKS:

Accountability: Federal, State, and Local
Career and Technical Education Accountability
Career and Technical Education Teacher Certificate Requirements
Career and Technical Student Organizations (CTSOs)
CTE TEKS — The Introduction

(1) Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions.

(2) The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment.
CTE TEKS — The Introduction

(3) **Principles of Architecture** provides an overview to the various fields of architecture, interior design, and construction management. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, education, and career information to set and achieve realistic career and educational goals. Job-specific training can be provided through training modules that identify career goals in trade and industry areas. Classroom studies include topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development and include skills such as problem solving, critical thinking, and reading technical drawings.

(4) Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.
(5) Statements that contain the word "including" reference content that must be mastered, while those containing the phrase "such as" are intended as possible illustrative examples.
CTE TEKS Revision

Employability Skills

(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:

(A) demonstrate effective oral and written communication skills;
(B) perform numerical and arithmetic applications;
(C) demonstrate an understanding of integrity and strong work ethic;
(D) demonstrate attention to detail in completed assignments; and
(E) demonstrate effective problem solving.
CTE TEKS Revision

Elimination of Credit Ranges

Courses with ½ - 1, 1-2, and 2-3 credits were changed to provide a consistent amount of credit.
CTE TEKS Revision

Theory and Lab Courses

- Theory courses may be taken alone (i.e., without the lab)
- Lab courses provide additional, hands-on experience with the content.
- Lab courses cannot be taken as stand-alone courses.
- General requirements often indicate recommended co-requisites.
## CTE TEKS Revision

### PEIMS Adjustments

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
<th>PEIMS ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animation I</td>
<td>One</td>
<td>01234567</td>
</tr>
<tr>
<td>Animation I (one credit) and Animation I Lab (one credit)</td>
<td>Two</td>
<td>12345678</td>
</tr>
<tr>
<td>Welding II</td>
<td>Two</td>
<td>23456789</td>
</tr>
<tr>
<td>Welding II (two credits) and Welding II Lab (one credit)</td>
<td>Three</td>
<td>34567890</td>
</tr>
</tbody>
</table>

**Beginning with 2017-2018**
CTE TEKS Revision

Practicum Courses

• All practicum courses will provide 2 credits
• Extended practicum courses will provide a third possible credit.

Practicum in Hospitality and Tourism, 2 credits
+ Extended Practicum in Hospitality and Tourism, 1 credit

3 credits
Practicums/Career Prep

“A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills.”
CTE TEKS Revision

Proposed CTE Courses that May Satisfy Specific Graduation Requirements

Mathematics—
Applied Mathematics for Technical Professionals
Accounting II
Manufacturing Engineering Technology II
Robotics II
Applied Mathematics for Medical Professionals

Science —
Biotechnology I
CTE Courses that May Satisfy Specific Graduation Requirements

**English**
- Business English

**Fine Arts**
- Floral Design
CTE Courses that May Satisfy Specific Graduation Requirements

**Mathematics**
Digital Electronics
Engineering Mathematics
Financial Mathematics
Mathematical Applications in Agriculture, Food, and Natural Resources
Statistics and Risk Management
CTE Courses that May Satisfy Specific Graduation Requirements

**Science**

- Advanced Animal Science
- Advanced Biotechnology (Biotechnology I)
- Advanced Plant and Soil Science
- Anatomy and Physiology
- Engineering Design and Problem Solving
- Food Science
- Forensic Science
- Medical Microbiology
- Pathophysiology
- Principles of Engineering (Engineering Science)
- Principles of Technology
- Scientific Research and Design
Instructional Materials Proclamation 2017
The materials submitted for adoption undergo a full and complete investigation to

- identify the TEKS covered,
- identify the ELPS addressed (if applicable), and
- document any factual errors.
A publisher's citation for coverage of any specific student expectation was accepted only if it provided one of the following:

(i) an opportunity for the teacher to teach the component of the knowledge or skill in the teacher material;

(ii) an opportunity for the student to learn the component of the knowledge or skill in the student material or the teacher material; or

(iii) an opportunity for the student to demonstrate the component of the knowledge or practice the component of the skill in the student material or the teacher material.
In order for a product to be eligible for placement on the list of adopted materials, the instructional material must

- address at least 50% of the total number of student expectations and
- address 100% of the designated ELPS (if applicable).

Adoption in November 2016
CTE Statewide Update - Programs and Projects
CTE New Teacher Mentorship Program

Quick Facts:

• Will begin Fall of 2016

• Serving All New CTE Teachers

• Goal: Attract and retain high quality CTE teachers

Three Groups of Teachers to be Served:

• Participants in the CTE New Teacher Conference in October 2016

• Individuals transitioning to CTE teaching from business and industry

Services will include a mentor who will provide:

• Ongoing mentoring and induction type PD

• Help with lesson planning, assessment, grading, classroom management, and more

• “Just in time assistance” for new CTE teachers
CTE TEKS Implementation Online Professional Development

• 19 online modules to include videos, interactives, and assessments
• One module for each of the following:
  • broad overview of CTE and changes to the TEKS
  • administrators and counselors
  • each Career Cluster
  • career development
Other Items of Interest
OPPORTUNITIES FOR CAREER SUCCESS

February 2017
US Presidential Scholars Program - CTE

Last year, the Texas Commissioner of Education nominated five students who excelled in a CTE program to apply as part of the United States Presidential Scholars Program. This was the first year that CTE students were included as nominees for this prestigious award.

TEA invites high school seniors who are graduating between January and June of 2017 to apply.

Application due date: October 7, 2016
US Presidential Scholars Program - CTE

Congratulations on Being Nominated in 2015!

Adkins – East Central High School
Garden City – Glasscock County ISD
Garland – North Garland High School
San Antonio – Theodore Roosevelt High School
Spring – Carl Wunsche Sr. High School Texas Presidential Scholar
Excellence in Action Award

Advance CTE State Leaders Connecting Learning to Work

Applications open October 2016

Southwest High School
Information Technology Career Cluster
Computer Maintenance Technology & IT Certification Program

Carl Wunsche Sr. High School
Law, Public Safety, Corrections & Security Career Cluster
Legal Studies

STEM Innovation Academy
Foy H. Moody High School

Jack E. Singley Academy
School of Law and Public Service
Career and Technical Education Programs of Study

HB 2628

Texas Higher Education Coordinating Board, representatives of secondary education, postsecondary education, business and industry, other state agencies or licensing bodies, other career and technical education experts

Develop career and technical education programs of study and clearly define career pathways

Align certifications and licensures
Contact Information
Questions?

Contact Education Service Center CTE Specialist

or

TEA’s CTE Unit

By email at Career@tea.texas.gov

• By telephone at (512) 463-9581
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