This lesson will provide you with a brief overview of this course.
Motivation is what gets you started. Habit is what keeps you going.

-Jim Rohn
Has anyone ever heard of Career and Technical Education?
Have students brainstorm: What do you think it is?
Career and Technical Education (CTE)

**Definition #1:**
Career and technical education (CTE) instruction aims at developing foundational skills, core workplace competencies, and specific skill competencies in various occupational areas.

**Definition #2:**
prepares young people to manage the dual roles of family member and wage earner and enable students to gain entry-level employment in a high-skill, high-wage job and/or to continue their education

Allow a student to read the definitions for Career and Technical Education. Provide students with an index card and have them write a definition for CTE in their own words. Share responses.

If you choose to further explore the topic of Career and Technical Education, please see About CTE Presentation [http://cte.unt.edu/home/about.html](http://cte.unt.edu/home/about.html)
Career and Technical Education (CTE)

Internships, practicum courses, career preparation courses, dual enrollment programs, and apprenticeships are a few venues that deliver career and technical education by providing meaningful opportunities for learners to apply their academic and technical skills.

 Allow student a few moments to read the information on the slide and on the back of their index card write down all unfamiliar terms. Lead a brief class discussion on the contents of the slide. Define and provide examples of all unfamiliar terms. Inform students of CTE venues available in your district, your campus and your program.
Career and Technical Education

Historical Side Notes:
In the past, Career and Technical Education (CTE) was organized by program areas, but is now organized by career clusters.

Example:
Family and Consumer Sciences (program area) courses are now located in five career clusters:

• Arts, AV Technology and Communication (Fashion Design courses)
• Architecture and Construction (Interior Design courses)
• Education and Training
• Hospitality and Tourism
• Human Services

Arts, AV Technology and Communication and Architecture (Fashion Design courses) and Construction (Interior Design courses) cluster information can be found at http://cte.unt.edu/
Career and Technical Education (CTE)

- You are currently enrolled in the course *Principles of Education and Training*
- *Principles of Education and Training* is a CTE course
- You are a CTE student
- I am a CTE instructor
A copy of this slide can be found in the Attachments section of this lesson.

The 16 clusters identified by the U.S. Department of Education, classify workforce preparation programs that are obtained through career and technical education.

What cluster do you think Principles of Education and Training falls under? Have students read the descriptors for each cluster?
The course Principles of Education and Training is in the Education and Training Clusters.

If time permits, allow students to discuss other CTE courses available at your campus and determine their career clusters.
Principles of Education and Training are in the Education and Training Cluster.
The Texas Education Agency has approved 4 high school courses in Education and Training. Not all high schools offer all courses. What is a coherent sequence?

The goal of CTE in high school is to progress through a sequence of courses that lead to the attainment of academic and technical skills.

Discuss the sequence for Education and Training on your campus/district.

If applicable, discuss other courses/sequences offered at your campus and in your district.

Inform students that it is possible to incorporate courses from other sequences or clusters into their personal program of study.

Example:
Sandra wants to be a high school coach. In addition to her education and training courses, she asks her counselor to enroll her in the course DOLLARS and SENSE (Human Services cluster) so that she can learn about handling finances.

In the future, Juan would like to become an elementary school principal. In addition to his education and training courses, Juan asked his counselor to enroll him in CHILD DEVELOPMENT, (Human Services cluster) so he can learn as much as he can about children.

Encourage students to speak to their counselors.

Recommended sequences for all cluster courses can be found at: http://www.tea.state.tx.us/index2.aspx?id=5415
Review the sequence available for your course.

If time permits, allow students to determine the sequences available for other CTE courses on their campus/district.
Each cluster has various Programs of Study. We have already established that Principles of Education and Training is in the Education and Training career cluster. There are three Programs of Study in Education and Training:

- Administration and Administrative Support
- Professional Support Services
- Teaching and Training

What Program of Study/Career Pathway interests you?
### Career and Technical Education (CTE)

#### Course Title

**Principles of Education and Training**

**Description**

- Administration and Administrative Support
- Professional Support Services
- Teaching and Training

Planning, managing and providing education and training services, and related learning support services

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The Cluster icon above is used with permission of the State’s Career Clusters Initiative, 2007. For more information visit www.careerclusters.org

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Sample Career Specialties / Occupations

- Elementary and Secondary Superintendents, Principals, Administrators
- Supervisors and Instructional Coordinators
- Education Researchers, Test Measurement Specialists/Assessment Specialists
- College Presidents, Deans, Department Chairs, Program Coordinators
- Post-Secondary Administrators
- Instructional Media Designers
- Labor Relations Managers/Specialists
- Psychologists - Clinical, Developmental, Social
- Social Workers
- Parent Educators
- Counselors
- Program Advisors
- Financial Aid Advisors
- Career Counselors/Advisors
- Career and Employment Placement Counselors
- Speech-Language Pathologists and Audiologists
- Instructional Resources Coordinator
- Technology Support Administrator
- Database Administrators/AV Specialists
- Distance Education Coordinator
- Human Resources Manager
- Organization Development Specialist
- Training Manager/Coordinator
- Instructional Coordinators
- Museum Coordinators/Technicians
- Instructional Media Designer
- Preschool, Kindergarten Teachers, Aides
- Elementary Teachers, Aides
- Secondary/CTE Teachers, Aides
- Special Education Teachers, Aides
- College/University Lecturers, Professors
- Corporate Trainers and Educators
- Adult Literacy Teachers
- Librarians/Assistant Technicians
- Early Childhood Teachers and Assistants
- Instructional Systems Specialists
- Child and Adult Care Providers
- Child and Adult Care Providers
- Child Life Specialist
- Nanny

Pathways

- Administration and Administrative Support
- Professional Support Services
- Teaching/Training

Cluster Knowledge and Skills

- Academic Foundations
- Communication
- Problem-Solving and Critical Thinking
- Information Technology Applications
- Systems
- Safety, Health and Environment
- Leadership and Teamwork
- Ethics and Legal Responsibilities
- Employability and Career Development
- Technical Skills

Review the contents of this chart with students, helping them make a connection between the cluster, selected program of study/pathway and possible career/occupations available to them.

This chart and frames for all career clusters can be found at:
http://www.careertech.org/career-clusters/resources/career-frames.html
Click on logo to link to AchieveTexas Education and Training component.
Possible Program of Study
### Cluster Overview

**Postsecondary:**
- Bachelor Degrees
- Associate Degrees
- Certificates

**High School:**
- Elementary Education
- Middle Level Education
- Secondary Education
- Adult Educator

**Graduate:**
- School Program Supv.
- University Instructor/Professor

### Educational Goals

#### Core Courses
- Algebra I
- Geometry
- Algebra II
- Biology
- Chemistry
- Physics

#### Electives
- Fine Arts
- Government/Economics
- United States History
- Multidisciplinary Studies:
  - EC4; 4
  - EC12
- Language Options:
  - World History
  - World Geography
  - Languages other than English II
  - World Languages
  - Multilingual Literacy

### Extracurricular Experiences

- Campus Service Organizations
- Before/After School: Ready, Set, Read!
- Community Service Volunteer
- School Newspaper
- Student Government
- Speech & Debate Team
- UIL Academic Competitions
- Yearbook
- 4-H Youth Development
- Language Immersion Programs
- Summer Job Shadowing
- Internship
- Career Preparation
- Summer Camp Counselor
- Summer Camp Attendant

### Career Options

- Elementary Teacher
- Secondary Teacher
- Special Education Teacher
- Coach
- Library Aide
- Librarian
- Teacher Assistant
- Teacher Aide
- Recreational Aide
- Group Worker/Assistant
- School Aide
- Educational Aide I
- Educational Aide II
- Educational Aide III
- Administrative Assistant

### Professional Associations

- Texas Classroom Teachers Association
- Texas Association of Future Educators
- Family, Career and Community Leaders of America
- National Education Association
- Association of Texas Professional Educators
- Professional Associations:
  - Specific Professional Association

### O*NET Career Codes

- Elementary Teacher: 25-1311.00
- Secondary Teacher: 25-2171.00
- Special Education Teacher: 25-2033.00
- Coach: 25-2041.00
- Library Aide: 25-1061.00
- Teacher Assistant: 25-2111.00
- Educational Aide: 25-2131.00

### Suggested Coursework

- AP Environmental Science
- English III
- Physics
- Algebra II
- English IV
- Chemistry
- Geometry
- Biology
- Algebra I

(Continued on next page)
Sample Bachelor Degrees

- Multidisciplinary Studies
  - Specialization in Bilingual
  - English Second Language
  - Middle Level
  - Special Education
- Subject Specific Degree with Teacher Certification
Graduate Degrees

- Bilingual Education
- Developmental & Adult Education
- Early Childhood Education
- Education Instructional Technology
- Elementary Education
- Higher Education
- Secondary Education
- Special Education
Sample Career Options

- Adult Educator
- Coach
- Cooperative Extension Agent
- Elementary Teacher
- Secondary Teacher
- Special Education Teacher
### Administration & Administrative Support

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1001</td>
<td>3</td>
<td>Introductory English</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>3</td>
<td>Introduction to HR principles and practices</td>
</tr>
<tr>
<td>Business Information Systems</td>
<td>3</td>
<td>Understanding and using business software systems</td>
</tr>
<tr>
<td>Management of Information Technology</td>
<td>3</td>
<td>Managing IT resources and processes in organizations</td>
</tr>
<tr>
<td>College Credit Operations</td>
<td>3</td>
<td>Understanding and managing college credit processes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mandatory</th>
<th>Required Courses</th>
<th>Electives</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1001</td>
<td>3</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Human Resources Management</td>
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<td>3</td>
<td>6</td>
</tr>
<tr>
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<td>3</td>
<td>3</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Credits:** 24

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Introductory Lesson
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Professional Support Services
### Professional Support Services

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory Lesson</td>
<td>All related courses must be completed</td>
</tr>
</tbody>
</table>

**Extended Learning Opportunities**

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>All related courses must be completed</td>
</tr>
</tbody>
</table>

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*Slide 27*
Provide students with a brief definition and explanation of the Texas Essential Knowledge and Skills (TEKS).
TEKS - the state standards for what students should know and be able to do
Differentiate between the Knowledge and Skills Statement and the Student Expectations.
TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)
Principles of Education and Training

(1) The student completes career investigations within the education and training career cluster. The student is expected to:
(A) identify and describe the various careers found within the education and training career cluster;
(B) analyze transferable skills among a variety of careers within the education and training career cluster;
(C) recognize the impact of career choice on personal lifestyle; and
(D) assess the importance of productive work habits and attitudes.

Provide students with a copy of the course TEKS. Inform students that they will be referring to this document throughout the school year. Stress that all TEKS listed will be addressed. Provide students with activities that correspond to the TEKS.
(2) The student understands societal impacts within the education and training career cluster. The student is expected to:
(A) summarize political and historical trends that have influenced the development of education across the United States;
(B) identify cultural and societal changes that have affected educational systems across the United States; and
(C) use labor market information, knowledge of technology, and societal or economic trends to forecast job profiles within the education and training career cluster.

Provide students with activities that correspond to the TEKS.
(3) The student explores careers in administration and administrative support. The student is expected to:

(A) summarize the various roles and responsibilities of professionals in the fields of administration and administrative support;

(B) describe typical personal characteristics, qualities, and aptitudes of professionals in the fields of administration and administrative support;

(C) investigate education and training alternatives after high school for a career choice within the student’s interest areas; and

(D) formulate education and training degree plans for various occupations within the fields of administration and administrative support.
(4) The student explores careers in professional support services.
The student is expected to:
(A) summarize the various roles and responsibilities of professionals in the field of professional support services;
(B) describe typical personal characteristics, qualities, and aptitudes of professionals in the field of professional support services;
(C) investigate education and training alternatives after high school for a career choice within the student's interest areas; and
(D) formulate education and training degree plans for various occupations within the field of professional support services.

Provide students with activities that correspond to the TEKS.
TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)
Principles of Education and Training

(5) The student explores careers in teaching and training. The student is expected to:
(A) summarize the various roles and responsibilities of professionals in the fields of teaching and training;
(B) describe typical personal characteristics, qualities, and aptitudes of professionals in the fields of teaching and training;
(C) investigate education or training alternatives after high school for a career choice within the student's interest areas; and
(D) formulate education or training degree plans for various occupations within the fields of teaching and training.

Provide students with activities that correspond to the TEKS.
(6) The student investigates career opportunities within the education and training career cluster. The student is expected to:

(A) compare and contrast the specific career options found within each education and training cluster program of study;

(B) use labor market information, knowledge of technology, and societal and economic trends to forecast job profiles within each cluster program of study; and

(C) use personal interests and aptitudes to identify a specific cluster program of study as a potential field of study.

Provide students with activities that correspond to the TEKS.
TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)
Principles of Education and Training

(7) The student explores options in education and career planning. The student is expected to:
(A) develop a graduation plan that leads to a specific career choice in the area of interest;
(B) identify high school and dual enrollment courses related to specific career cluster programs of study;
(C) identify and compare technical and community college programs that align with interest areas; and
(D) identify and compare university programs and institutions that align with interest areas.

Provide students with activities that correspond to the TEKS.
End of Course Project Options – Principles of Education and Training instructional lesson can be found on the SIRDC website. Title on slide is hyperlinked to slide presentation for said lesson.
Next Lesson

Overview of Principles of Education and Training course topics.
Any questions, comments or concerns?
Instruct students to create their interpretation of the information on this slide. It may be used as the coversheet for their class binder, folder or journal. Students may draw or use a computer to complete the task. See Independent Practice.

Criteria used for assessment of project:
Must include all five components
Creativity
Neatness
Spelling and grammar
Resources and References

* AchieveTexas
  Education initiative designed to prepare students for a lifetime of success.
  http://www.achievetexas.org

* Learning that Works for America sponsored by The National Association of State Directors of Career Technical Education Consortium (NASDCTEc). Aims to support an innovative CTE system that prepares individuals to succeed in education and their careers.
  http://www.careertech.org/career-clusters/glance/at-a-glance.html

* Texas Education Agency
  Texas Essential Knowledge and Skills. The mission of the Texas Education Agency is to provide leadership, guidance and resources to help schools meet the educational needs of all students.
  http://ritter.tea.state.tx.us/rules/tac/chapter130/index.html