Introductory Lesson:

Practicum in Education and Training
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A journey of a thousand miles must begin with a single step.

-Lao Tzu
Career and Technical Education (CTE)
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
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.
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
Career and Technical Education (CTE)

• You are currently enrolled in the course Practicum in Education and Training
• Practicum in Education and Training is a CTE course
• You are a CTE student
• I am a CTE instructor
16 Career Clusters™

- Agriculture, Food & Natural Resources
  - Processing, production, distribution, and development of agricultural commodities and natural resources

- Business Management & Administration
  - Organizing, directing, and evaluating functions essential to productive business operations

- Criminal Justice Services
  - Executing governmental functions at the local, state, and federal levels

- Human Services
  - Providing for families and serving human needs

- Manufacturing
  - Processing materials into intermediate or final products

- Transportation, Distribution & Logistics
  - Managing movement of people, materials, and goods by road, pipeline, air, rail, and water

- Architecture & Construction
  - Designing, managing, building, and maintaining the built environment

- Engineering Technology
  - Providing education and training services, and related learning support services

- A/V Technology & Communications
  - Creating, exhibiting, performing, and publishing multimedia content

- Business Services
  - Financial and investment planning, banking, insurance, and business financial management

- Hospitality & Tourism
  - Managing restaurants and other food services, lodging, attractions, recreation events, and travel-related services

- Health Science
  - Providing diagnostic and therapeutic services, health informatics, support services, and biotechnology research

- Information Technology
  - Providing legal, public safety, protective, and homeland security services

- Marketing
  - Designing, supporting, and managing hardware, software, multimedia, and systems integration

- Performing marketing activities to reach organizational objectives

- Performing scientific research and professional and technical services

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16 Career Clusters™

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Practicum in Education and Training

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TEA Recommended Coherent Sequence of Courses
Sequence of courses available in our district/campus
Education and Training
Programs of Study

– Administration and Administrative Support

– Professional Support Services

– Teaching and Training
Career and Technical Education (CTE)

Practicum in Education and Training

Programs of Study
- Administration and Administrative Support
- Professional Support Services
- Teaching and Training

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

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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
- Curriculum Developers
- Instructional Media Designers
- Education and Training Technician
- 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
  - Media Coordinators/Specialists
  - Instructional Media Designer
- Preschool, Kindergarten Teachers, Aides
- Elementary Teachers, Aides
- Secondary/CTE Teachers, Aides
- Special Education Teachers, Aides
- College/University Lecturers, Professors
- Human Resource Trainers
- Physical Trainers
- Professional Coaches
- Preschool & Child Care Program Directors
- Child Care Assistants/Workers
- Child Life Specialist
- Nanny
- Early Childhood Teachers and Assistants
  - Instructional Systems Specialist
  - Corporate Trainers and Educators
  - Adult Literacy Teachers
  - Librarians/Assistants/ Technicians

### Pathways

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

### Cluster Knowledge and Skills

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

Planning, managing and providing education and training services, and related learning support services.
Education and Training
Possible Programs of Study
# Teaching/Training

**Career Goal (O*NET Code): Teacher**  
- Elementary School (25-2021)  
- Middle School (25-2022)  
- Career & Technical Education (25-2023/25-2032)  
- Secondary School (25-2031)  
- Special Education (25-2041/25-2043)  
- Coach (27-2022)  
- Postsecondary (25-1000)

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### Secondary School

#### 8th Grade

**HS Courses:**  
- Local districts may list high school credit courses here

**Core Courses:**  
- English I  
- Algebra I  
- Biology  
- World Geography  
- Languages other than English I  
- Physical Education

**Career-Related Electives:**  
- Principles of Education and Training

**Extended Learning Experiences:**

- Curricular Experiences:  
  - Language Immersion Programs
  - College Credit

- Extracurricular Experiences:  
  - Extracurricular Experiences:

#### 9th Grade

**Core Courses:**  
- English II  
- Algebra II  
- Chemistry  
- World History  
- Languages other than English II

**Career-Related Electives:**  
- Instructional Practice in Education and Training

**Extended Learning Experiences:**

- Curricular Experiences:  
  - Language Immersion Programs
  - College Credit

- Extracurricular Experiences:  
  - Extracurricular Experiences:

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### High School

#### 10th Grade

**Core Courses:**  
- English III  
- Algebra III  
- Physics  
- United States History  
- Professional Communications

**Career-Related Electives:**  
- Human Growth and Development or Child Development or Interpersonal Studies

**Extended Learning Experiences:**

- Curricular Experiences:  
  - Language Immersion Programs
  - College Credit

- Extracurricular Experiences:  
  - Extracurricular Experiences:

#### 11th Grade

**Core Courses:**  
- English IV  
- Algebra IV  
- Physics  
- United States History  
- Professional Communications

**Career-Related Electives:**  
- Principles of Education and Training or Languages other than English IV

**Extended Learning Experiences:**

- Curricular Experiences:  
  - Language Immersion Programs
  - College Credit

- Extracurricular Experiences:  
  - Extracurricular Experiences:

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### Extended Learning Experiences

**Curricular Experiences:**  
- Family, Career, and Community Leaders of America
- Texas Association of Future Educators

**Extracurricular Experiences:**  
- Extracurricular Experiences:

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### College Credit Opportunities -- High School

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.

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### Bachelor Degrees

**Multidisciplinary Studies:**  
- Specialization in Bilingual, English Second Language, Middle Level, or Special Education

**Career Options:**  
- Cooperative Extension Agent
- Elementary Teacher
- Secondary Teacher
- Special Education

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### Associate Degrees

**Multidisciplinary Studies:**  
- Specialization in Bilingual, English Second Language, Middle Level, or Special Education

**Career Options:**  
- Group Worker/Assistant
- Self Enrichment Teacher
- Recreation Attendant

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### Certificates

**Community Youth Services Aide**  
- Recreational Aide

**Educational Aide I**  
- Recreational Aide

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**Higher Education**

**Career Options:**  
- Secondary Teacher
- Special Education Teacher
- University Instructor/Professor

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**Notes:**

- Students may earn all or part of these certificates as part of the high school experience.

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**Graduate Degree**

**Career Options:**  
- Secondary Teacher
- Special Education Specialist
- University Instructor/Professor

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**Postsecondary**

**Career Options:**  
- Secondary Teacher
- Special Education Specialist
- University Instructor/Professor

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Sample Career Options

- Adult Educator
- Coach
- Cooperative Extension Agent
- Elementary Teacher
- Secondary Teacher
- Special Education Teacher
EDUCATIONAL ADMINISTRATOR
**SUGGESTED COURSEWORK**

### High School

#### 9th Grade
- **Core Courses:**
  - English I
  - Algebra I
  - Biology
  - World Geography
  - Languages other than English I
  - Health/PE or Equivalent
- **Career-Related Electives:**
  - Principles of Education and Training

#### 10th Grade
- **Core Courses:**
  - English II
  - Geometry
  - Chemistry
  - World History
  - Languages other than English II
  - Technology Applications
- **Career-Related Electives:**
  - Human Growth and Development

#### 11th Grade
- **Core Courses:**
  - English III
  - Algebra II
  - Physics
  - United States History
  - Communication Applications
  - PE or Equivalent
- **Career-Related Electives:**
  - Instructional Practices in Education and Training or Languages other than English III

#### 12th Grade
- **Core Courses:**
  - English IV
  - AP Statistics
  - AP Environmental Science
  - Government/Economics
  - Fine Arts
- **Career-Related Electives:**
  - Practicum in Education and Training or Languages other than English IV

### Postsecondary

#### Associate's Degrees

- **Teaching:**
  - Specialization in EC4; 4-8; 8-12; EC12
  - Education Aide Teacher Assistant/Aide
- **Professional Associations:**
  - Multidisciplinary Studies: Specialization in Bilingual, English Second Language, Middle Level, or Special Education
  - Subject Specific Degree with Teacher Certification
  - Early Childhood

#### Bachelor's Degrees

- **Multidisciplinary Studies:**
  - Specialization in Bilingual, English Second Language, Middle Level, or Special Education
  - Social Services Aide
  - Social Work
  - Adult Educator
  - Supervision and Leadership

#### Graduate Degrees

- **Administration/Principal:**
  - Elementary Administration
  - Educational Leadership
  - Elementary Education
- **Career Options:**
  - College President, Dean
  - Educational Researcher
  - Principal/Supervisor
  - University Instructor or Professor

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*NOTE: These experiences may be started and/or completed as part of the high school experience.*

*Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses, if possible.*

*This plan of study serves as a guide, along with other career planning materials, for pursuing a career path. It is based on the most recent information as of 2007.*

*Most plans should meet High School graduation requirements as well as college entrance requirements.*

*Students may select other elective courses for personal enrichment purposes.*
PROFESSIONAL SUPPORT SERVICES
### Professional Support Services

#### Career Goal (O*NET Code):
- Educational, Vocational, & School Counselor (21-1012), Child, Family & School Social Worker (21-1021).

#### Suggested Coursework

<table>
<thead>
<tr>
<th>High School</th>
<th>8th</th>
<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Courses:</strong></td>
<td>English I</td>
<td>Algebra I</td>
<td>Biology</td>
<td>World Geography</td>
<td>Physical Education</td>
</tr>
<tr>
<td><strong>Career-Related Electives:</strong></td>
<td>Principles of Education and Training</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Core Courses:</strong></td>
<td>English II</td>
<td>Geometry</td>
<td>Chemistry</td>
<td>World History</td>
<td>Languages other than English I</td>
</tr>
<tr>
<td><strong>Career-Related Electives:</strong></td>
<td>Human Growth and Development or Child Development or Interpersonal Studies or Psychology</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Core Courses:</strong></td>
<td>English III</td>
<td>Algebra II</td>
<td>Physics</td>
<td>United States History</td>
<td>Professional Communications</td>
</tr>
<tr>
<td><strong>Career-Related Electives:</strong></td>
<td>Instructional Practice in Education and Training or Languages other than English III</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Core Courses:</strong></td>
<td>English IV</td>
<td>AP Statistics</td>
<td>AP Environmental Science</td>
<td>Government/Economics</td>
<td>Fine Arts</td>
</tr>
<tr>
<td><strong>Career-Related Electives:</strong></td>
<td>Practicum in Education and Training or Problems and Solutions or Languages other than English IV</td>
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</tr>
</tbody>
</table>

#### Extended Learning Experiences

**Curricular Experiences:**
- Family, Career and Community Leaders of America
- Texas Association of Future Educators

**Extra-curricular Experiences:**
- Language Immersion
- School Newspaper
- Speech & Debate Team
- Student Government
- UIL Academic Competitions

**Career Learning Experiences:**
- Career Preparation
- Internship
- Job Shadowing

**Service Learning Experiences:**
- Before/After-School Programs/Community Service Programs
- Dynamic Leadership Peer Tutoring/Peer Mentorship
- STOP the Violence in the Community

#### College Credit Opportunities – High School

- Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, and articulated courses (Tech Prep), if possible. List those courses that count for college credit on your college application.

#### Postsecondary

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Teaching: Specialization in Education, 4-8, 8-12, EC-12</th>
<th>Teacher Certification</th>
<th>Early Childhood</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Aide</td>
<td>Library Aide</td>
<td>Preschool Aide/Worker</td>
<td>School Office Assistant</td>
</tr>
</tbody>
</table>

**Career Options:**
- Educational Aide 1

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**Professional Associations:**
- Association of Texas Social Workers
- National Association of School Social Workers
- Phi Delta Kappa
- Texas Classroom Teachers
- Texas Community Colleges
- Texas Counseling Association
- Texas School Counselors
- Texas State Teachers
- Discipline-Specific Professional Associations

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**Student Name:**

**Grade:**

**School:**

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**NOTE:** These experiences may be started and/or completed as part of the high school experience.

**NOTE:** Students may earn all or part of these certificates as part of the high school experience.

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**Subject Specific Degree with Teacher Certification**

**Guidance & Counseling**
- Counseling Education & Supervision
- Early Childhood

**Career Options:**
- Adult Educator
- Counseling Aide
- Social Services Worker
- Special Education Teacher

**Counselor Educator**
- School Counselor
- Social Services Specialist
- Special Education Specialist

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**Student may select other elective courses for personal enrichment purposes.**

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**This plan of study serves as a guide, along with other career planning materials, for pursuing a career path.**
TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS) for Principles of Education and Training
(3) The student identifies the importance of a well-written business plan. The student is expected to:

- (A) categorize a business plan and the need for a well-orchestrated business plan;
- (B) research business plan outlines, resources, and templates using web search engines;
- (C) explain a marketing plan, including price competition, non-price competition, market analysis, competition, marketing research, market segmentation, demographics, and sales forecasting;
TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)
Practicum in Education and Training

(1) The student explores the teaching and training profession. The student is expected to:
(A) assess personal characteristics needed to work in the teaching and training profession;
(B) compare schools based on qualities of effectiveness;
(C) formulate a personal philosophy of education; and
(D) create a personal career plan in preparation for a career in the field of education or training.
TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)
Practicum in Education and Training

(2) The student understands the learner and learning process. The student is expected to:
(A) apply principles and theories of human development appropriate to specific teaching or training situations;
(B) apply principles and theories about the learning process to specific teaching or training situations;
(C) analyze personal behaviors and skills that facilitate the learning process; and
(D) suggest effective instructional practices to accommodate learning differences, learner exceptionality, and special-needs conditions.
(3) The student communicates effectively. The student is expected to:

(A) assess the effectiveness of personal verbal, non-verbal, written, and electronic communication skills;
(B) communicate effectively in situations with educators and parents or guardians;
(C) evaluate the role of classroom communications in promoting student literacy and learning; and
(D) integrate effective communication skills in teaching or training.
TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)
Practicum in Education and Training

(4) The student plans and uses effective instruction. The student is expected to:
(A) apply principles and theories that impact instructional planning;
(B) develop instructional materials that align with the Texas Essential Knowledge and Skills (TEKS);
(C) assess personal planning to meet instructional goals;
(D) analyze concepts for developing effective instructional strategies;
(E) analyze instructional strategies for effectiveness; and
(F) explain how learner feedback has been used to guide selection and adjustment of instructional strategies.
TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)
Practicum in Education and Training

(5) The student creates and maintains an effective learning environment. The student is expected to:
(A) create and maintain safe and effective learning environments;
(B) integrate teacher or trainer characteristics that promote an effective learning environment;
(C) apply classroom management techniques that promote an effective learning environment; and
(D) demonstrate specific conflict management and mediation techniques supportive of an effective learning environment.
(6) The student assesses instruction and learning. The student is expected to:
(A) develop and apply assessments to foster student learning; and
(B) use assessment strategies to promote personal growth and teaching or training improvement.
(7) The student understands the relationship between school and society. The student is expected to:

(A) support learning through advocacy;
(B) select school and community resources for professional growth; and
(C) design activities to build support of family members, community members, and business and industry to promote learning.
(8) The student develops technology skills. The student is expected to:
(A) recommend technology applications appropriate for specific subject matter and student needs; and
(B) integrate the skillful use of technology as a tool for instruction, evaluation, and management.
(9) The student continues development as a teaching or training professional. The student is expected to:
(A) identify strategies and resources for the professional development of educators or trainers;
(B) demonstrate teacher or trainer characteristics that promote ongoing professional development;
(C) use research and assessment to improve teaching or training; and
(D) develop a professional growth plan.
TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)
Practicum in Education and Training

(10) The student participates in field-based experiences in education or training. The student is expected to:

(A) apply instructional strategies and concepts within a local educational or training facility; and

(B) document, assess, and reflect on instructional experiences.
(11) The student documents technical knowledge and skills. The student is expected to:

(A) update a professional portfolio to include:
   (i) attainment of technical skill competencies;
   (ii) licensures or certifications;
   (iii) recognitions, awards, and scholarships;
   (iv) extended learning experiences such as community service and active participation in career and technical student organizations and professional organizations;
   (v) abstract of key points of the practicum;
   (vi) resumé;
   (vii) samples of work; and
   (viii) evaluation from the practicum supervisor; and

(B) present the portfolio to all interested stakeholders such as in a slide or poster presentation.
End of Course Project Options-
Practicum in Education and Training
Next Lesson

Overview of Practicum in Education and Training course topics.
### Practicumum in Education and Training

**Programs of Study/Career Pathways**
- Administration and Administrative Support
- Professional Support Services
- Teaching and Training

**Description**

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

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* 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.careerterech.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