

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.

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

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™

Career Clusters™



Processing, production, distribution, and development of agricultural commodities and natural resources



Designing, managing, building, and maintaining the built environment



Creating, exhibiting, performing, and publishing multimedia content



Organizing, directing, and evaluating functions essential to productive business operations



Providing education and training services, and related learning support services



Financial and investment planning, banking, insurance, and business financial management



Executing governmental functions at the local, state, and federal levels



Providing diagnostic and therapeutic services, health informatics, support services, and biotechnology research



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



Providing for families and serving human needs



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



Providing legal, public safety, protective, and homeland security services



Processing materials into intermediate or final products



Performing marketing activities to reach organizational objectives



Performing scientific research and professional and technical services



Managing movement of people, materials, and goods by road, pipeline, air, rail, and water

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Practicum in Education and Training



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Education and Training

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)

Career Cluster



Course Title



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

Sample Career Specialties / Occupations	<p>Elementary and Secondary Superintendents, Principals, Administrators</p> <ul style="list-style-type: none"> •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 	<ul style="list-style-type: none"> •Psychologists- Clinical, Developmental, Social <ul style="list-style-type: none"> •Social Workers •Parent Educators •Counselors •Program Advisors •Financial Aid Advisors •Career Counselors/ Advisors •Career and Employment Placement Counselors •Speech-Language Pathologists and Audiologists <ul style="list-style-type: none"> •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 	<ul style="list-style-type: none"> • Preschool, Kindergarten Teachers, Aides <ul style="list-style-type: none"> •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 <ul style="list-style-type: none"> •Child Care Assistants/Workers •Child Life Specialist <ul style="list-style-type: none"> •Nanny •Early Childhood Teachers and Assistants <ul style="list-style-type: none"> • Instructional Systems Specialist Corporate Trainers and Educators Adult Literacy Teachers Librarians/Assistants/ Technicians
Pathways	<p>Administration and Administrative Support</p>	<p>Professional Support Services</p>	<p>Teaching/Training</p>
Cluster K&S	<p>Cluster Knowledge and Skills</p> <ul style="list-style-type: none"> ◆ 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 		

Education and Training



Possible Programs of Study

TEACHER



Teaching/Training

Career Goal (O*NET Code): Teacher, Elementary School (25-201); Middle School (25-202); Career & Technical Education (25-2023/25-2032); Secondary School (25-2031); Special Education (25-2041/25-2043); Coach (27-2022); Postsecondary (25-1000).

Student Name: _____

Grade: _____

School: _____

		SUGGESTED COURSEWORK		EXTENDED LEARNING EXPERIENCES		
High School	Middle School	8th	HS Courses:	Local districts may list high school credit courses here)		
	9th	Core Courses:	English I Algebra I Biology	World Geography Languages other than English I Physical Education	Curricular Experiences: Family, Career and Community Leaders of America Texas Association of Future Educators - Career Learning Experiences: Career Preparation Internship Job Shadowing Service Learning Experiences: Before/After-School Aide Campus Service Organizations Community Service Volunteer Peer Tutoring / Peer Mentoring Ready, Set, Read! Summer-Camp Counselor	
		Career-Related Electives:	Principles of Education and Training			
	10th	Core Courses:	English II Geometry Chemistry	World History Languages other than English II		
		Career-Related Electives:	Human Growth and Development or Child Development or Interpersonal Studies			
	11th	Core Courses:	English III Algebra II Physics	United States History Professional Communications		
Career-Related Electives:		Instructional Practice in Education and Training or Languages other than English III				
12th	Core Courses:	English IV AP Statistics AP Environmental Science	Government/Economics Fine Arts	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.		
	Career-Related Electives:	Practicum in Education and Training or Problems and Solutions or Languages other than English IV				
Postsecondary	On-the-job Training	Community Youth Services Aide Educational Aide I	Library Aide Preschool Aide/Work		Recreational Aide Teacher Assistant	Professional Associations: Association of Texas Professional Educators National Education Association PHI DELTA KAPPA International Texas Classroom Teachers Association Texas Community College Teachers Association Texas State Teachers Association Discipline-Specific Professional Association
	Certificates	Educational Aide I	Heartsaver® CPR Heartsaver First Aid		OSHA CareerSafe	
	Associate Degrees	Teaching: Specialization in EC4: 4-8; 8-12, EC12	Education Education Aide		Teacher Assistant/Aide	
	Bachelor Degrees	Multidisciplinary Studies: Specialization in Bilingual, English Second Language, Middle Level, or 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

EDUCATIONAL ADMINISTRATOR



Administration & Administrative Support

Career Goal (O*NET Code):Elementary/Secondary Education Administrator (11-9032), Postsecondary Education Administrator (11-9033), Instructional Coordinator (25-9031)

Cluster Overview: Planning, managing and providing education and training services, and related learning support services.

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

High School

9th

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

Core Courses:

English II
Geometry
Chemistry

World History
Languages other than English II
Technology Applications

Career-Related Electives:

Human Growth and Development

11th

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

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

Curricular Experiences:

Family, Career and Community Leaders of America
Texas Association of Future Educators

Career Learning Experiences:

Career Preparation (Paid/Unpaid)
Internship
Job Shadowing

Extracurricular Experiences:

Language Immersion Programs
4-H Youth Development
Student Government
School Newspaper
School Organization Officer
Speech & Debate Team
UIL Academic Competitions
Yearbook

Service Learning Experiences:

Campus Service Organizations
Community Service Volunteer
Dynamic Leadership
Peer Tutoring / Peer Mentoring
STOP the Violence

On-the-Job Training

Community Youth Services Aide
Educational Aide I
Library Aide

Preschool Aide/Worker
Recreational Aide
School Office Assistant

Summer-Camp Counselor
Teachers Assistant

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

Career-Ready

Educational Aide I

OSHA CareerSafe

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

Career Options:

Educational Aide I

Professional Associations:

Association of Texas Professional Educators
National Association of Elementary School Principals
National Education Association
PHI DELTA KAPPA International
Texas Association of School Administrators
Texas Association of Secondary School Principals
Texas Classroom Teachers Association
Texas Community College Teachers Association
Texas State Teachers Association
Discipline-Specific Professional Associations

Postsecondary

Associate's Degrees

Teaching: Specialization in EC4; 4-8; 8-12; EC12

Education
Education Aide

Teacher Assistant/Aide

Career Options:

After-School Program Supv.
Assistant Teacher

Social Services Aide

Bachelor's Degrees

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

Subject Specific Degree with
Teacher Certification

Early Childhood

Career Options:

Adult Educator
Curriculum Devlp. Specialist
Middle School Teacher

Elementary Teacher
Secondary Teacher

Graduate Degrees

Administration/Principal
Adult, Prof. and Community Edu.
Curriculum and Instruction

Educational Administration
Educational Leadership
Elementary Education

Higher Education Research
Secondary Education

Career Options:

College President, Dean
Educational Researcher
Principal/Superintendent

Supervisor and Instruction Coord.
University Instructor or Professor

* May substitute for the required credit for Physical Education
** Substitute the required credit for Technology Application
*** May substitute for the required credit for Health Education

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 and is based on the most recent information as of 2007. All 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

Cluster Overview: Planning, managing and providing education and training services, and related learning support services.

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

Student Name: _____

Grade: _____

School: _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School		8th		9th		10th		11th		12th		
		HS Courses:		(Local districts may list high school credit courses here)		Curricular Experiences:		Extracurricular Experiences:				
		Core Courses:		English I Algebra I Biology	World Geography Languages other than English I Physical Education			Family, Career and Community Leaders of America Texas Association of Future Educators		Language Immersion I School Newspaper Speech & Debate Team Student Government UIL Academic Competition Yearbook		
		Career-Related Electives:		Principles of Education and Training								
		Core Courses:		English II Geometry Chemistry	World History Languages other than English II			Career Learning Experiences:		Service Learning Experiences:		
		Career-Related Electives:		Human Growth and Development or Child Development or Interpersonal Studies or Psychology				Career Preparation Internship Job Shadowing		Before/After-School Activities Campus Service Organization Community Service Volunteer Dynamic Leadership Peer Tutoring/Peer Mentor STOP the Violence Summer-Camp Counselor		
		Core Courses:		English III Algebra II Physics	United States History Professional Communications							
		Career-Related Electives:		Instructional Practice in Education and Training or Languages other than English III								
		Core Courses:		English IV AP Statistics AP Environmental Science	Government/Economics Fine Arts					COLLEGE CREDIT OPPORTUNITIES – High School		
		Career-Related Electives:		Practicum in Education and Training or Problems and Solutions or Languages other than English IV				Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Placement, or articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.				
		On-the-Job Training		Educational Aide I Community Youth Services Aide NOTE: These experiences may be started and/or completed as part of the high school experience.	Library Aide Preschool Aide/Worker	School Office Assistant Teacher Assistant					Professional Associations: Association of Texas Educators National Association of School Administrators National Education Association Phi Delta Kappa Texas Classroom Teachers Association Texas Community College Association Texas Counseling Association Texas School Counselors Association Texas State Teachers Association Discipline-Specific Professional Organizations	
		Certificates		Educational Aide I NOTE: Students may earn all or part of these certificates as part of the high school experience.	OSHA CareerSafe			Career Options:				
		Associate Degrees		Teaching Specialization in EC4, 4-8, 8-12, EC12	Education Education Aide	Teacher Assistant/Aide	Career Options:		Group Worker/Assistant Recreation Attendant Social Services Aide			
		Bachelor Degrees		Multidisciplinary Studies: Specialization in Bilingual, English Second Language, Middle Level, or Special Education	Subject Specific Degree with Teacher Certification	Early Childhood	Career Options:		Counseling Aide Counselor Educator		Social Services Worker Special Education Teacher Teacher	
		Graduate Degrees		Counseling & Human Development Counseling Psychology	Counselor Education & Supervision Education-Counseling Educational Psychology	Guidance & Counseling School Counseling Secondary Education	Career Options:		Counseling Psychologist Counselor Educator		Inclusion Specialist School Counselor Special Education Specialist	

TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS) for Principles of Education and Training



TEKS: Rule-Text Format

Knowledge and
Skills Statement



(3) The student identifies the importance of a well-written business plan. The student is expected to:



Student Expectation

- (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.

TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)

Practicum in Education and Training

- (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.

TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS) Practicum in Education and Training

- (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.

TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS) Practicum in Education and Training

- (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.

TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS) Practicum in Education and Training

(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.

TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS) Practicum in Education and Training

- (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.

TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)

Practicum in Education and Training

(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.



Career and Technical Education (CTE)

Career Cluster



Course Title



Practicum 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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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>