Career Technical Education
Program Standards

Commission on Teacher Credentialing

Standards Adopted
October 2008
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Commission on Teacher Credentialing
1900 Capitol Avenue
Sacramento, California 95811

This handbook is available at:
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Commission on Teacher Credentialing

State of California
Arnold Schwarzenegger, Governor

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Executive Officer

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The Committee on Accreditation
2008

Joyce Abrams
Teacher
Chula Vista Elementary School
Chula Vista Elementary School District

Joseph Jimenez
BTSA Induction Cluster Region Director
Tulare County Office of Education

Lynne Cook
Dean, College of Education
California State University, Dominguez Hills

Karen O’Connor
Teacher
Adobe Bluffs Elementary School
Poway Unified School District

Ellen Curtis-Pierce
Associate Vice Chancellor for Professional Accreditation and Faculty Development
Chapman University College

Reyes Quezada
Professor of Education
University of San Diego

Dana Griggs
Educational Consultant
San Bernardino County Superintendent of Schools

Ruth Sandlin
Chair, Educational Psychology
California State University San Bernardino

Gary Kinsey
Associate Dean
College of Education
Cal Poly Pomona University

Sue Teele
Director, Education Extension
University of California, Riverside

Carol Leighty
Superintendent
Temecula Valley Unified School District

Nancy Watkins
Teacher
Valencia High School
William S. Hart Union High School District

Committee Support Staff (Commission on Teacher Credentialing)

Lawrence Birch, Director, Professional Services Division
Teri Clark, Administrator of Accreditation, Professional Services Division
Helen Hawley, Consultant, Professional Services Division
Advisory Panel for Career Technical Education

Kit Alvarez
Director of Educational Services
Colton-Redlands-Yucaipa ROP

Paul Bott
Professor and Chair, Professional Studies Department (Retired)
CSU Long Beach

Mike Brunelle
Director—Career and Technical Preparation Department
Sacramento City Unified School District

Marianne Cartan
Director—Student Services and Instruction
Placer County Office of Education

Glenn Casey
California Polytechnic University, San Luis Obispo
Teacher Educator

Dale Countryman
Director
West Side ROP

Priscilla Cox
Board Member
Elk Grove Unified School District

Irene Fuji
Superintendent
Eden Area ROP

Rick Graham
Career and Technical Education Teacher
Azusa Unified School District

Dennis Guido
Career and Technical Education Consultant
California Department of Education

Dennis Ivey
Associate Superintendent
Mendocino County Office of Education

Darlene Le Fort
Assistant Superintendent
Coastline ROP

**Knute Momberg**
Director, Career and Technical Education  
Stockton Unified School District

**Nona Olsen**
ROP Director  
Mendocino County Office of Education

**Matthew Saldana**
Principal—ROP and Technical Education  
Long Beach Unified School District

**Joseph Scarcella**
Career and Technical Teacher Educator  
CSU San Bernardino

**Diana Schneider**
Orange County Office of Education/Central County ROP  
Senior Director

**Valerie Vuicich**
ROP Administrator  
Fresno County Office of Education

**Paul Watters**
Director—Butte County ROP  
Butte County Office of Education
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Section I
General Introduction

Introduction
In 1993 the Commission adopted the first standards for vocational education teacher preparation
pursuant to advisory panel recommendations. These standards defined a two-level program of
preparation to be completed over a five year period. In 2005 the State Board of Education adopted the
first Career Technical Education (CTE) Standards for K-12 students. The Commission is responsible for
insuring that teacher preparation standards are aligned with K-12 standards for students. This required
the review and update of the CTE requirements and standards to align with the State Board-adopted
Model Curriculum Career Technical Education Standards (2005). In February 2007, the Commission
announced the establishment of the Career Technical Education Advisory Panel to recommend changes
that would increase teacher supply, streamline credential requirements, and improve the quality of
preparation to teach California students. The Panel was charged to:

1. Review vocational education credential requirements to determine if they are appropriate to
meet the need for teachers in today’s K-12 schools. Recommend new or modified requirements
where necessary.
2. Review credential types and authorizations for alignment to the adopted 2005 California Career
Technical Education Standards and the current instructional needs for K-12 vocational education
teachers. Recommend changes to the current types and authorizations consistent with these.
3. Review and update vocational education teacher preparation program standards to be
consistent with California statutes and current research-based best practices for teachers.
Recommend updated standards and program requirements to the Commission.

The panel completed the revision of credential requirements and program standards in the fall of 2007
and field surveyed their recommendations in the spring of 2008. All standards were found to be
somewhat important, important, or essential by more than 75% of the respondents. On August 7, 2008,
the Commission approved the Designated Subjects Career Technical Education Standards.

Senate Bill 52 (Chap. 520, Stats. 2007)
On October 12, 2007, SB 52 (Scott) was signed into law. Because the bill was an urgency bill, its
provisions became effective immediately.

The law did the following:

• Changed the name of the credential to the Designated Subjects Career Technical Education
  (CTE) Teaching Credential.
• Required the Commission to establish a list of authorized subjects for the CTE credential by
  September 30, 2007, that reflects the 15 industry sectors identified in the California career
  technical education model curriculum standards adopted by State Board of Education.
• Deleted the requirement that candidates for the CTE credential pass the state’s basic skill test.
• Deleted the option for the Commission to test a candidate for the CTE credential in the subject
to be taught.
• Required that programs of personalized preparation be consistent with full-time or part-time
  service.
• Required the Commission to convene an advisory committee to review credential requirements
  and make recommendations for consolidating requirements for full-time and part-time service.
with a focus on streamlining the credential structure without increasing the requirements for part-time service.

- Required the Commission to make recommendations to the Legislature on the minimum requirements for the credential by April 1, 2008.

The Certification Division issued an announcement to change the name of the credential and the sector authorization beginning October 1, 2007. The 15 sectors applicable to career technical education for public schools are identified in the California CTE Model Curriculum Standards (http://www.cde.ca.gov/be/st/ss/index.asp). The balance of the legislation was addressed by the panel.

**Senate Bill 1104 (Chap. 576, Stats. 2008)**

In September 2008, Senate Bill 1104 (Chap. 576, Stats. 2008) was signed into law which provided that the preliminary career technical education credential is valid for 3 years with revised requirements to receive the preliminary credential as follows:

1. Three years of experience in the subject named on the credential
2. Possession of a high school diploma or equivalency
3. Satisfaction of teacher fitness (fingerprint clearance)
4. Minimum experience to teach the class assigned by the employer

The requirements for the clear credential were also modified by SB 1104, and the Commission will release a coded correspondence later in October 2008. Effective January 1, 2009, the Commission will begin to issue credentials under these new requirements. Candidates may enroll in a current CTE preparation program until August 1, 2010, or in a new approved program at any time.

**The Career Technical Education Advisory Panel**

The Commission directed staff in December 2006 to convene a panel of individuals with knowledge and expertise specific to CTE programs to review the Standards of Program Quality and Effectiveness, Factors to Consider, and Preconditions of Programs of Personalized Preparing for Designated Subjects Vocational Education Teaching Credentials and to modify them, as appropriate, for career/technical education instructional settings. In January of 2007, the Commission solicited the field for applications and panel members were appointed by the Executive Director. As with all Commission work groups, the Commission worked to ensure a diverse representation of experts in the field, including expertise in teaching English learners, special education, and career technical education. A panel of nineteen members was selected, including representatives from the following stakeholder groups: California Teachers Association (CTA), California Federation of Teachers (CFT), California County Superintendents Educational Services Association (CCSESA), California School Boards Association (CSBA), and Association of California Site Administrators (ACSA). In addition, the CSU and UC systems and the California Department of Education were invited to appoint liaisons to the panel.

The Commission on Teacher Credentialing (CTC) is indebted to all of the education professionals who served on the CTE Advisory Panel for the successful development of new standards for preparing Career Technical Education Teachers. CTC believes strongly that the standards in this handbook will improve the teaching and learning for students in California’s public schools.
Implementation Plan for the Designated Subjects CTE Credential Program Standards

Subsequent to approval of the new CTE Standards, Commission staff began the implementation process which would take place over two years. The major activities and dates for the standards implementation are outlined in the chart below.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
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<tbody>
<tr>
<td>Adoption of the proposed standards by the Commission</td>
<td>August 2008</td>
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<tr>
<td>Release of an Program Sponsor Alert and technical assistance meetings</td>
<td>October 2008</td>
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<tr>
<td>regarding submission guidelines, and timelines for program revisions and</td>
<td></td>
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<tr>
<td>document submission, including the final dates for:</td>
<td></td>
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<tr>
<td>(1) programs to be approved under the newly adopted standards and/or</td>
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<td>discontinue courses under the old guidelines; and</td>
<td></td>
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<td>(2) transitioning candidates from the “old” programs to the “new”</td>
<td></td>
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<tr>
<td>programs</td>
<td></td>
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<tr>
<td>CTE Program Standards Handbook posted to CTC web site</td>
<td>October 2008</td>
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<tr>
<td>Program planning and revision activities; document preparation begins</td>
<td>October 2008 and</td>
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<td></td>
<td>ongoing</td>
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<tr>
<td>Process for review of institutional program documents submitted for</td>
<td>October 2008 and</td>
</tr>
<tr>
<td>approval, including training program reviewers</td>
<td>ongoing</td>
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<tr>
<td>COA approval of revised CTE credential programs recommended for approval</td>
<td>January 2009 and</td>
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<td></td>
<td>ongoing</td>
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<td>Programs under old standards may no longer accept new candidates</td>
<td>August 1, 2010 or the</td>
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<tr>
<td></td>
<td>date that the</td>
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<tr>
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<td>new program is approved</td>
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<tr>
<td>Programs that have not been approved under the new CTE (2008) Standards</td>
<td>September 1, 2013</td>
</tr>
<tr>
<td>are no longer approved teacher preparation programs</td>
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This Handbook presents the standards that program sponsors will be expected to meet for program approval. The Commission will accept program submissions on a continual basis beginning October 2008.
Standards of Quality and Effectiveness for Programs Leading to a Certificate of Completion of Staff Development for Career Technical Education Teachers

Definitions of Standards
California state law authorizes the Commission on Teacher Credentialing to set standards and requirements for preparation of California teachers.

Standards
Standards are statements of program quality that must be fulfilled for initial or continued approval of educator preparation by the Commission. In each standard, the Commission has described an acceptable level of quality in a significant aspect of educator preparation and authorization. The Commission determines whether a program satisfies a standard on the basis of an intensive review of all available information related to the standard. Experts in the area of the educator preparation will review proposals.

These standards are written in two parts. The first category of standards addresses issues of program design, governance, and quality. The second category of standards addresses preparation to teach all students in California schools. The second category of standards includes statements of candidate competence also divided two parts: Initial Preparation and Advanced Preparation. Initial Preparation is begun as soon as the Preliminary Credential is issued based on a teaching assignment. Advanced Preparation is one of the options for obtaining the Clear Credential. Other options for Advanced Preparation include documented successful teaching and advanced professional development for teachers. Program sponsors may offer only the Initial Preparation Program or the Initial and the Advanced Preparation Programs. An individual must complete initial and advanced preparation (or one of the options) to earn the clear credential.

The standards include several statements that must be addressed for the standard to be met. The program standards specify “what” the program must do. In your response, the institution must explain “how” it will meet the standards. In writing to these standards, it is important to distinguish between the instruction the program provides and what candidates can demonstrate as a result of the instruction. Program Planning Prompts follow each program standard to clarify the nature of the standard and to help programs think about how to address the standard. Candidate outcomes follow each of the candidate competence standards. Programs must describe how each of these outcomes is taught to candidates and assessed.

All claims made about meeting the standards should be accompanied by evidence. Evidence that would help program reviewers understand the structure and quality of the program include program documents such as advising forms, announcements, and web pages. Evidence that would help program reviewers understand candidate competence include course syllabi, assignments, and assessments. It is important to be specific about the evidence and to provide descriptions of it in narrative responses to the standards.
Preconditions

Preconditions are requirements that must be met in order for an accrediting association or licensing agency to consider accrediting a program sponsor or approving its programs or schools. Some preconditions are based on state laws, while other preconditions are established by Commission policy. Institutions are required to submit information related to the Preconditions to the Commission at three points in the accreditation system: 1) during year one of the accreditation cycle, 2) during year four of the accreditation cycle and 2) upon submitting a new program proposal.

There are essentially two kinds of preconditions. The first are the Commission’s ten General Institutional Preconditions. These apply to all professional preparation programs—teacher and services credential preparation programs. These preconditions do not apply to subject matter programs.

The second type of preconditions apply to particular kinds of credential preparation programs. There are four Program Specific Preconditions that apply to all types of educator preparation programs. In addition, there are preconditions for many types of educator preparation programs. All program sponsors must respond to each of the applicable preconditions.

Click to the following link to locate the preconditions. [http://www.ctc.ca.gov/educator-prep/standards/Standards-Preconditions.pdf](http://www.ctc.ca.gov/educator-prep/standards/Standards-Preconditions.pdf).

The required Preconditions for the Career Technical Education Program are: General Preconditions 1-10; Program Specific Preconditions 1-4 and 5-8.

Common Standards

The Common Standards address issues of institutional infrastructure, stability, and processes that are designed to ensure that the implementation of all approved programs is successful and meets all standards. Consequently, there is a single response to the nine Common Standards that reflects the institution’s support of each of its educator preparation programs. Institutions are required to submit information related to the Common Standards to the Commission at two points in the accreditation system: 1) during year 5 of the accreditation cycle- the year before the accreditation site visit; and 2) upon submitting a new program proposal.

The institution must develop one response to the Common Standards that reflects institutional support for all approved educator preparation programs. In other words, individual programs do not respond to the Common Standards. The Common Standards document is inclusive of the entire unit, consequently only one Common Standards document will be submitted to the CTC for each approved institution/program sponsor regardless of how many approved programs are offered. Click on the following link to locate the Common Standards [http://www.ctc.ca.gov/educator-prep/STDS-common.html](http://www.ctc.ca.gov/educator-prep/STDS-common.html).
If the institution’s Common Standards are up to date and the institution submits a new program proposal, the institution must complete an addendum to the Common Standards that assures the Commission that the institution will support the proposed program in the same way it has supported other educator preparation programs. Click on the following link to locate the Common Standards Addendum http://www.ctc.ca.gov/educator-prep/program-standards.html.

The Common Standards Glossary should be consulted for definitions of any of the terms found in *italics* in the Common Standards.
Program Standards
Category I: Program Design, Governance, and Qualities

Standard 1: Program Design and Rationale
The program of teacher preparation for the Career Technical Education Teaching Credential includes a purposeful, developmentally designed sequence of coursework that effectively prepares CTE teachers to successfully teach all students in public education to perform in a competitive workplace. The program consists of 9 semester units of approved program coursework or 135 hours of approved professional preparation through a local education agency. The program is based on a clearly stated rationale that has a sound theoretical and practical foundation anchored to the knowledge base of teacher education. The program is aligned to the state-adopted 7-12 CTE curriculum standards and framework and bases CTE teachers’ competence on California’s Teaching Performance Expectations (TPEs).

Program Planning Prompts
1(a) How is the design of the program grounded in a rationale based on sound theory of adolescent and adult teaching and learning, articulated clearly, and evident in the delivery of the program’s coursework?
1(b) How is the program coursework sequenced to reflect principles of teacher development?
1(c) How are the coursework and related experiences integrated to form a cohesive set of learning experiences that prepare the CTE teacher for the contemporary conditions of California public education?
1(d) How does the program prepare CTE teachers to integrate the state-adopted 7-12 CTE curriculum standards with the K-12 academic content standards for teaching and assessing all students?
1(e) How does the program coursework incorporate a variety of effective teaching strategies and teacher behaviors, including the use of technology, for professional instruction? What opportunities does the program provide for CTE teachers to learn and practice the Teaching Performance Expectations (Appendix D)?
1(f) How does the program design include planned processes for the comprehensive assessment of individual CTE teachers on all competencies addressed in the program?

Standard 2: Equity, Diversity and Access to the Curriculum for All Students
Each beginning CTE teacher in the professional teacher preparation program examines the protections of California laws for educational equity and diversity and their relevance in curriculum content and school practices for all students. The program prepares CTE teachers to provide all students with equitable access to the program’s curriculum. CTE teachers in the program learn about the ways in which teaching practices and student learning are impacted by diversity in California, including socioeconomic status. CTE teachers learn to identify, analyze, and minimize personal and institutional bias.

Program Planning Prompts
2(a) In what ways does the program’s coursework prepare CTE teachers to relate students’ background experiences, languages, skills, and abilities to the appropriate pedagogical practices to provide access to the curriculum and lead to high achievement for all students?
2(b) How does the program address CTE teachers’ knowledge of the history and traditions of the major cultural and ethnic groups in California society in the context of instruction?
2(c) How does the program develop CTE teachers’ ability to recognize and minimize bias in the classroom and to create an equitable classroom community that contributes to the physical, social, emotional, and intellectual well-being of all students?

2(d) In what ways does the program require CTE teachers to systematically examine their stated and implied beliefs, attitudes, and expectations about diverse students, families, schools, and communities in applying pedagogical practices that foster high expectations for students’ cognitive, affective, and psychomotor performance?

2(e) How does the program develop CTE teachers’ ability to recognize and differentiate instruction for students’ specific learning needs, establish appropriate contexts for learning, provide equal access to resources for learning, and where appropriate, provide opportunities for inter-curricular activities?

Standard 3: Early Orientation

Early orientation is designed to meet the needs of beginning teachers. The program sponsor collaborates with the employer in providing an early orientation before or during the first month of teaching that includes the introductory skills, knowledge, and attitudes required for beginning CTE teaching success. These competencies will be further developed in a sequenced and scaffolded structure that includes teaching methods, learning styles, lesson planning, CTE concepts, equity and diversity in the classroom, mandated reporting, and legal and ethical issues.

Program Planning Prompts

3(a) In what ways does the orientation provide an introduction to teaching knowledge, skills, and attitudes that is sequenced and scaffolded for the immediate needs of a beginning teacher?

3(b) How are an overview of instructional planning, effective classroom management, and SDAIE strategies addressed in the orientation?

3(c) How is an overview of legal and ethical responsibilities and school policies and procedures included in the orientation?

3(d) What strategies for ensuring the safety of students in career technical education classrooms and the workplace (OSHA) are provided in the orientation?

3(e) What basic information and instruction on research-based teaching, evaluation, and assessment for all students, including those with special needs (e.g., disabilities, gifted and talented) does the orientation cover?

3(f) How does the orientation include information regarding business/industry partnerships?

3(g) What delivery methods for the orientation are used to provide easy access for candidates?
Standard 4: Collaboration with Local Educators
The program sponsor collaborates with the employer in the implementation of the preparation program for CTE teachers, including the selection of supervisors and/or support teachers. The cooperative relationship between the program sponsor and local school administrators and teachers sets up a system of support and supervision that provides the beginning CTE teacher with the opportunity to develop all the necessary components of successful teaching.

Program Planning Prompts
4(a) What is the effective and ongoing system of communication and collaboration between the program sponsor and the school where beginning CTE teachers are employed?
4(b) How does the program sponsor collaborate with the employer in providing a common early orientation before or during the first calendar month of teaching? (See Standard 3.)
4(c) What systematic documentation verifies that each CTE teacher has met all requirements for placement in supervised CTE teaching responsibilities?

Standard 5: Beginning Teacher Support and Advisement
Throughout the period of the preliminary credential, CTE teachers’ performance is guided, assisted, and evaluated in relation to each standard in Category II through supervision and support. The program provides complete, accurate, and timely feedback to the CTE teachers, including information about their progress toward competence. Supervisors and support providers of CTE teachers are (a) certificated and experienced in teaching; (b) trained in supervision and support of beginning teachers; and (c) evaluated for their service to new teachers.

Program Planning Prompts
5(a) How does the program ensure that supervisors and support providers are selected for academic preparation, successful experience teaching the same age groups, holding a valid credential, and remaining current in education and knowledgeable of the local school culture?
5(b) How does the program ensure that supervisors are skilled in observation, analysis and feedback techniques, and fostering learning in adolescents and adults?
5(c) How are all of the Standards in Category II addressed in guidance, assistance, and feedback?
5(d) How do the supervisor and program sponsor coordinate supervision and assessment of CTE teachers?
5(e) How do support providers give confidential and formative feedback for teaching success to CTE teachers?
Standard 6: Determination of CTE Teacher Competence
Upon program completion, one or more persons who are responsible for the program determine on the basis of thorough documentation and written verification that the CTE teacher has satisfied each Standard in Category II. The program uses formative and summative assessment to determine CTE teachers’ competence based on the TPEs.

Program Planning Prompts
6(a) What systematic formative and summative assessments of each teacher’s performance are provided by the program?
6(b) How does the program sponsor document and verify each CTE teacher’s attainment of CTE Standards in Category II as they relate to the teaching of the subject(s) authorized by the credential?
6(c) Who in the program is responsible for recommending beginning teachers for clear credentials on the basis of information on candidates’ competence and performance?
6(d) What assessments of CTE teachers’ performance do supervisors provide to the program administrator?

Standard 7: Advanced Programs of Preparation
To obtain the Clear Career Technical Education Teaching Credential, CTE teachers must complete a program of advanced preparation and professional development for teachers or its documented equivalent. The advanced preparation program is designed to support teachers’ attainment of the California Standards for the Teaching Profession (CSTP) and to advance the beginning teacher outcomes described in Category II. CTE teachers develop integrated instruction that meets State-adopted CTE curriculum standards, related academic content standards, and curriculum frameworks. The program provides formative and summative assessment opportunities for CTE teachers to demonstrate their development as teachers. Programs of advanced preparation are characterized by individualized support integrated with formal professional development.

Program Planning Prompts
7(a) How are the professional level outcomes described under Standards 8-16 in Category II included in the program requirements?
7(b) What process does the program sponsor use for verifying advanced professional preparation and recommending for the professional credential only those participating teachers who have met all requirements in Category II as well as the CSTP?
7(c) How does the program advise candidates about options designated by the Commission for demonstrating professional level teaching for the professional clear credential?
7(d) How does the assessment system for professional teaching competence incorporate multiple measures of teaching using specific criteria, evidenced by collaboration with colleagues, observation of classroom practices, and reflection with a trained support provider about the evidence?
Category II: Preparation to Teach Curriculum to All Students in California Schools

Standard 8: Curriculum
Program coursework includes curriculum development and instructional planning skills relating to the significant aspects of the occupation being taught, including but not limited to thinking abilities, positive attitudes about work, teamwork, interpersonal skills, effective communication, the role of the persons doing the work, and the quality of the work produced. The program promotes appreciation of and ability to assist all students in the development of the manipulative skills appropriate to the occupation. Each CTE teacher prepares unit and lesson plans aligned to CTE content standards that include outcomes-based goals and objectives, instructional strategies that engage students in learning, safety considerations, industry-standard materials and equipment, and appropriate student assessment techniques.

Initial Preparation Program
CTE teacher outcomes include demonstration of candidates’ abilities to:
8(1) Develop outcomes-based student performance objectives within CTE standards-aligned unit and lesson plans.
8(2) Provide instruction in the development of manipulative skills in a school environment.
8(3) Teach students how to use the most current and appropriate technology to perform the skills needed for the career area.
8(4) Balance the focus of instruction between technical information, concepts, principles, and applications.
8(5) Motivate students regarding the instructional content and its relationship to the core academic curriculum and to the workplace.
8(6) Promote work habits, interpersonal skills, communication skills and attitudes necessary for success in the workplace.
8(7) Organize, coordinate, and use a program advisory committee to maintain curricular currency.
8(8) Integrate critical thinking skills and problem solving abilities into curriculum.
8(9) Develop, maintain, and nurture partnerships for work-based learning activities.
8(10) Relate child labor laws to classroom assignments and job placements.

Advanced Preparation Program
To obtain the professional credential, teachers may complete a program of advanced preparation that provides opportunities to demonstrate teaching competency through multiple measures.
CTE teacher outcomes include demonstration of candidates’ abilities to:
8(a) Prepare a complete curriculum plan for the course or subject that they teach, including goals, objectives, daily lesson plans, classroom materials, teaching strategies, and student assessment materials.
8(b) Design lessons to help all students maximize their performance with respect to the student academic content standards.
Standard 9: Learning and Instruction
CTE teachers implement a variety of standards-based pedagogical strategies and select materials appropriate for students with diverse needs and learning styles. CTE teachers plan instruction that addresses common traits and individual developmental differences that characterize adolescents and adults. CTE teachers present ideas, concepts, and procedures using clear and meaningful language to facilitate students’ efforts to learn. CTE teachers use formative assessments to adapt instruction to student learning.

Initial Preparation Program
CTE teacher outcomes include demonstration of candidates’ abilities to:

9(1) Integrate instruction of related academic skills into their courses.
9(2) To teach the state-adopted CTE content standards appropriate for the pathway named on the credential in grades 7-12, including classes organized primarily for adults.
9(3) Differentiate instruction that takes into consideration cognitive, physical, social, and emotional characteristics of adolescent and adult learning stages.
9(4) Pace and adjust instruction based on student assessment, including testing, strategies such as discussion, inquiry, and examination of student work.
9(5) Actively engage students with strategies, activities, and materials that are based on different learning theories (e.g., constructivist, socio-cultural, transformational).
9(6) Use instructional strategies appropriate to students of varying abilities in small and large group instruction.
9(7) Allocate instructional time to maximize student achievement.
9(8) Model correct oral and written language and adjust the complexity of the language to the linguistic abilities of the students.
9(9) Apply language development strategies (oral, reading, and written), including specially designed academic instruction delivered in English (SDAIE).
9(10) Provide individualized instruction when needed for student success.
9(11) Deliver lessons that are based on instructional goals, student performance objectives, appropriate teaching strategies, safety considerations, relevant classroom materials, and assessment data.
9(12) Plan a unit of instruction consisting of a series of lessons in which at least one concept, skill or topic is taught fully and sequenced effectively.

Advanced Preparation Program
To obtain the professional credential, teachers have the option to complete a program of advanced preparation that provides opportunities to demonstrate teaching competency through multiple measures.
CTE teacher outcomes include demonstration of candidates’ abilities to:

9(a) Use explanations, demonstrations and class activities that serve to illustrate concepts, principles, investigative methods, experimentation and application appropriate to the occupational area.
9(b) Use reflection and feedback to formulate and prioritize goals for increasing candidates’ subject matter knowledge and teaching effectiveness.
9(c) Improve their teaching practices by soliciting feedback and engaging in cycles of planning, teaching, reflecting, discerning problems and applying new strategies.
9(d) Work with other educators to demonstrate the knowledge and ability to apply the state-adopted content standards, curriculum frameworks, performance levels, and adopted texts and instructional materials in at least one content area of focus.

**Standard 10: Assessing Student Learning**
Candidates identify student prior achievement, establish appropriate instructional objectives, assess student progress, and evaluate the overall effectiveness of their curriculum plan. The program prepares candidates to identify the needs and abilities of students in order to guide their learning and plan instruction relevant to the needs of the occupation. Candidates use multiple measures of assessing student achievement to improve instruction.

**Initial Preparation Program**
CTE teacher outcomes include demonstration of candidates’ abilities to:
10(1) Determine students’ prior knowledge and skills in the subject(s)/occupation.
10(2) Monitor progress to determine whether students are achieving the state-adopted CTE model curriculum standards.
10(3) Develop and use formal and informal teacher-made assessment instruments to determine mastery of skills, ideas, or topics as a result of instruction.
10(4) Evaluate the effectiveness of instruction based on student assessment data.
10(5) Keep accurate records of student achievement.
10(6) Provide specific and timely feedback on achievement to students, families, and school administration.
10(7) Integrate assessment data into a plan for self-improvement.

**Advanced Preparation Program**
To obtain the professional credential, teachers may complete a program of advanced preparation that provides opportunities to demonstrate teaching competency through multiple measures.
CTE teacher outcomes include demonstration of candidates’ abilities to:
10(a) Evaluate assessment practices for effectiveness and appropriateness, including student self-assessments.
10(b) Collect and interpret assessment data relative to the student achievement of the content standards, including data for English learners.

**Standard 11: Using Education Technology in the Classroom**
CTE teachers select and use computer-based technology to facilitate the teaching and learning process in the CTE classroom. CTE teachers demonstrate understanding of the legal and ethical issues concerned with the use of education technology for CTE. CTE teachers appropriately use computer-based technology for information collection, analysis, and management in the instructional setting.
Initial Preparation Program
CTE teacher outcomes include demonstration of candidates’ abilities to:
11(1) Use established criteria to select available education technology resources to support, manage, and enhance student learning and design lessons accordingly.
11(2) Perform basic operations of computer hardware and software, and implement basic troubleshooting techniques for computer systems and related peripheral devices.
11(3) Use computer applications to manage records and communicate through printed media.
11(4) Interact with students using electronic communication and a variety of computer-based collaborative tools.
11(5) Convey issues of ethics, copyright, privacy, security, safety, local and state policies for computer use.

Advanced Preparation Program
To obtain the professional credential, teachers may complete a program of advanced preparation that provides opportunities to demonstrate teaching competency through multiple measures.
CTE teacher outcomes include demonstration of candidates’ abilities to:
11(a) Use electronic research tools and assess the authenticity, reliability, and possible bias of the data gathered.
11(b) Fluently use technology to access and evaluate information, analyze and solve problems, and communicate.
11(c) Integrate technology into curriculum-based lessons for all students to help them acquire information literacy and problem solving skills.
11(d) Use assessment of student information literacy and problem solving skills to adapt subsequent lessons.

Standard 12: Classroom and Laboratory Management
Candidates use effective classroom management strategies to promote learning and preserve student safety. Candidates demonstrate proficiency in the operation and maintenance of a facility for career technical education that contains sophisticated and dangerous equipment, machines, and instruments. The program provides candidates with a thorough grounding in the theory, practice, and legal implications of safe facility management and the development of an effective learning environment.

Initial Preparation Program
CTE teacher outcomes include demonstration of candidates’ abilities to:
12(1) Design and provide a safe, positive instructional environment conducive to learning.
12(2) Maintain good housekeeping practices and records of the classroom and laboratory.
12(3) Develop and implement a plan for preventive maintenance of equipment or instruments and for their replacement.
12(4) Demonstrate attitudes and operate classrooms consistent with safe and legal practices in the school and workplace.
12(5) Manage a class budget, including selection and ordering of supplies and materials.
12(6) Communicate clear performance, learning, and behavior expectations to students, parents and school administration.
12(7) Establish procedures for routine tasks and manage transitions.
12(8) Encourage responsible and independent work habits in students.
12(9) Appropriately address sensitive issues and classroom interactions to ensure equitable participation for all students.

12(10) Assess and monitor safe and appropriate workplace environments for students.

**Advanced Preparation Program**

*To obtain the professional credential, teachers may complete a program of advanced preparation that provides opportunities to demonstrate teaching competency through multiple measures.*

CTE teacher outcomes include demonstration of candidates’ abilities to:

12(a) Create and maintain an effective classroom environment that promotes student achievement.

12(b) Take appropriate actions to ensure student health and safety, including work with families, caregivers, and health professionals.

12(c) Understand and implement the school’s crisis response plan.

**Standard 13: Foundations**

Candidates study essential themes, concepts, and skills related to the teaching profession, including knowledge of the history and traditions of CTE, its role in the curriculum of public education, and its current ethical issues. Candidates develop a professional perspective by examining contemporary education policies and teaching practices in relation to fundamental issues, theories and research in education.

**Initial Preparation Program**

CTE teacher outcomes include demonstration of candidates’ abilities to:

13(1) Describe the relationship of historical, legal, social, political, ethical, and economic perspectives of CTE to education and society.

13(2) Demonstrate an awareness of student recruitment, placement, and guidance services and the roles such services can play for students.

13(3) Describe the local, state, and federal structures of career technical education and how these structures impact the CTE program.

13(4) Identify and coordinate the use of related community organizations and agencies to improve or enhance instruction.

13(5) Demonstrate the ability to establish, supervise and advise career technical student leadership organizations.

13(6) Assist students to identify career pathway options and associated workplace skills.

**Advanced Preparation Program**

*To obtain the professional credential, teachers may complete a program of advanced preparation that provides opportunities to demonstrate teaching competency through multiple measures.*

CTE teacher outcomes include demonstration of candidates’ abilities to:

13(a) Devise a professional growth plan in at least one content area of focus, based on the teaching assignment, developmental needs, and prior preparation.

13(b) Articulate and sequence instruction with their colleagues at and across grade levels and subject matter.
Standard 14: Professional, Legal, and Ethical Responsibility
Candidates take responsibility for providing learning opportunities for all students. They recognize ways in which personal and institutional biases and values affect the teaching and learning of students. Candidates ethically manage their professional time and resources in teaching responsibilities and strive to ensure that instructional goals are met. They understand and honor legal and professional obligations to protect the privacy, health and safety of students, families, and other school professionals, including laws relating to professional misconduct and moral fitness for teachers.

Initial Preparation Program
CTE teacher outcomes include demonstration of candidates’ abilities to:
14(1) Act in accordance with professional standards and model ethical behaviors, including the appropriate use of student labor, school equipment, supplies, and facilities.
14(2) Develop and maintain student competency and attendance records.
14(3) Identify and report suspected cases of child abuse, neglect, or sexual harassment.
14(4) Carry out laws and district guidelines for reporting discrimination.
14(5) Implement school and district policies and state and federal law in responding to inappropriate or violent student behavior.

Standard 15: Teaching English Learners
Candidates know and apply specially designed academic instruction in English (SDAIE) to make curriculum content comprehensible to English learners. The program provides information on how to access assessment data on English learner students to design appropriate instruction. The program includes information about relevant state and federal laws; current research findings and practices; cognitive, pedagogical, and individual factors that affect language acquisition; historical and cultural traditions relevant to learning English; and student access to and achievement in the curriculum. The program emphasizes the key role of content standards and standards-based assessment in planning instruction for English learners. Candidates practice a variety of systematic instructional strategies to make content comprehensible to English learners.

Initial Preparation Program
CTE teacher outcomes include demonstration of candidates’ abilities to:
15(1) Select, modify, and use a variety of systematic instructional strategies that make content more comprehensible to English learners.
15(2) Use the principles of language acquisition, teaching strategies and curriculum materials effective for English learners.
15(3) Employ strategies, techniques and materials that are free of bias and foster learning among EL students.
15(4) Exhibit understanding, appreciation, and sensitivity toward the cultural heritage, community values, and individual aspirations of their EL students.
15(5) Encourage students to excel and promote interaction between different language groups and actively engage students in classroom activities.
15(6) Plan and deliver appropriate instruction based on formal and informal language proficiency assessment data (e.g., CELDT).
15(7) Communicate effectively with parents and families.
**Standard 16: Teaching Students with Special Needs**
Candidates develop basic knowledge, skills, and strategies for teaching special populations in CTE classrooms, including students with exceptional needs, students on behavior plans, and gifted and talented students. Candidates understand the role of the CTE teacher in the special education process. Candidates use differentiated instructional strategies that provide all students with access to CTE curriculum. Candidates promote a positive, inclusive climate of instruction for all special populations in the CTE classroom.

**Initial Preparation Program**
CTE teacher outcomes include demonstration of candidates’ abilities to:
16(1) Describe and provide examples of the major categories of disabilities.
16(2) Describe the CTE teacher’s role in state and federal laws pertaining to the education of students with special needs.
16(3) Describe the teacher’s role and responsibilities in the Individual Education Program/Individual Transition Plan (IEP/ITP) process for all students as appropriate, including: identification, referral, assessment, IEP/ITP planning and meeting, implementation, and evaluation.
16(4) Describe the CTE teacher’s role regarding Section 504 as it pertains to the education of students with special needs.
16(5) Select and use appropriate instructional materials, assistive technologies, and differentiated teaching strategies to meet the needs of special populations in the CTE classroom.
16(6) Plan and deliver instruction that provides special needs students with access to CTE curriculum.
16(7) Promote social integration for students with special needs in the CTE classroom.
16(8) Engage students with diverse needs in all classroom activities.
16(9) Describe the various programs (e.g., ROP, WorkAbility, work experience, transition-to-work) and resources (e.g., Department of Rehabilitation Services, Regional Center) available for students with special needs.

**Advanced Preparation Program**
To obtain the professional credential, teachers may complete a program of advanced preparation that provides opportunities to demonstrate teaching competency through multiple measures.
CTE teacher outcomes include demonstration of candidates’ abilities to:
16(a) Collaborate with other educators, paraprofessionals, and families/caregivers to help special needs students transition to the least restrictive environment at the end of the school year.
ATTACHMENT A

Senate Bill 52

BILL NUMBER: SB 52   CHAPTERED
BILL TEXT

CHAPTER 520
FILED WITH SECRETARY OF STATE OCTOBER 12, 2007
APPROVED BY GOVERNOR OCTOBER 12, 2007
PASSED THE SENATE SEPTEMBER 5, 2007
PASSED THE ASSEMBLY AUGUST 27, 2007
AMENDED IN ASSEMBLY JULY 5, 2007
AMENDED IN SENATE APRIL 17, 2007
AMENDED IN SENATE APRIL 9, 2007

INTRODUCED BY Senator Scott
(Coauthor: Senator Romero)

JANUARY 8, 2007

An act to amend Sections 44260 and 44260.1 of, to add Section 44260.9 to, the Education Code, relating to
teacher credentialing, and declaring the urgency thereof, to take effect immediately.

LEGISLATIVE COUNSEL’S DIGEST

Existing law requires the Commission on Teacher Credentialing to establish standards for the issuance and
renewal of credentials, certificates, and permits, including the designated subjects vocational education teaching
credentials. The minimum requirements for the designated subjects preliminary vocational education teaching
credential and minimum requirements for the 5-year renewal of that credential are established.
This bill would change the name of that credential to the designated subjects preliminary career technical
education teaching credential. The passage of a specified basic skills examination would be deleted from the
minimum requirements for the designated subjects preliminary career technical education teaching credential.
The authority of the commission to require a subject examination as part of the minimum requirements also would
be deleted. The bill would require the commission to establish a list of authorized subjects for the designated
subjects preliminary and professional clear career technical education teaching credential and would require the
list to reflect the 15 industry sectors identified in the California career technical education model curriculum
standards adopted by the State Board of Education. The commission would be required to implement the
authorized subjects list by September 30, 2007. The commission would be required to convene an advisory
committee to review credential requirements for designated subjects career technical education teaching
credentials and make recommendations for consolidating requirements for full-time and part-time service. By April
1, 2008, the commission would be required to make recommendations to the Legislature on the minimum
requirements for designated subjects career technical education teaching credentials.
This bill would declare that it is to take effect immediately as an urgency statute.

THE PEOPLE OF THE STATE OF CALIFORNIA DO ENACT AS FOLLOWS:
SECTION 1. Section 44260 of the Education Code is amended to read:

44260. The minimum requirements for the designated subjects preliminary career technical education teaching credential shall be all of the following:

(a) Five years or the equivalent of adequate, successful, and recent experience in, or experience and education in, the subject named on the credential.

(b) Possession of a high school diploma or the passage of an equivalency examination as designated by the commission.

(c) Completion of two semester units or passage of an examination on the principles and provisions of the United States Constitution, as specified in Section 44335.

SEC. 2. Section 44260.1 of the Education Code is amended to read:

44260.1. The minimum requirements for the five-year renewal of the preliminary designated subjects career technical education teaching credential shall be all of the following:

(a) A valid designated subjects preliminary career technical education teaching credential.

(b) Two years of successful teaching, or the equivalent, as authorized by the designated subjects preliminary career technical education teaching credential.

(c) Completion of a program of personalized preparation as approved by the commission. It is the intent of the Legislature that the program of personalized preparation be consistent with whether the credential holder performs full-time or part-time service.

(d) Completion of a program of study in health education, including, but not limited to, an emphasis on the physiological and sociological effects of abuse of alcohol, narcotics, and drugs, and of the use of tobacco.

SEC. 3. Section 44260.9 is added to the Education Code, to read:

44260.9. (a) The commission shall establish a list of authorized subjects for the designated subjects preliminary career technical education teaching credential issued pursuant to Section 44260. The list shall reflect the 15 industry sectors identified in the California career technical education model curriculum standards adopted by the state board. The commission also shall ensure that each designated subjects professional clear credential issued is consistent with the list of authorized subjects used for the preliminary credential. The commission shall implement the authorized subjects list by September 30, 2007.

(b) (1) The commission shall convene an advisory committee to review credential requirements for designated subjects career technical education teaching credentials and make recommendations for consolidating requirements for full-time and part-time service. It is the intent of the Legislature that the commission focus on streamlining the credential structure by identifying the essential skills needed for successful career technical instruction.

(2) By April 1, 2008, the commission shall make recommendations to the Legislature on the minimum requirements for designated subjects career technical education teaching credentials.

SEC. 4. This act is an urgency statute necessary for the immediate preservation of the public peace, health, or safety within the meaning of Article IV of the Constitution and shall go into immediate effect. The facts constituting the necessity are:

In order to increase as quickly as possible the number of persons who possess a career technical education teaching credential that is consistent with the industry sectors identified in the model curriculum standards, it is necessary that this act take effect immediately.
An act to amend Sections 44260, 44260.1, and 44260.8 of, and to repeal Section 44253 of, the Education Code, relating to teacher credentials.

LEGISLATIVE COUNSEL'S DIGEST

SB 1104, Scott. Teacher credentialing.
(1) Existing law authorizes the Commission on Teacher Credentialing to issue a 2-year preliminary designated subjects teaching credential upon the completion by an applicant of certain specified requirements. This bill would repeal that authority.

(2) Existing law specifies the requirements for a designated subjects preliminary career technical education teaching credential and for a 5-year renewal of that preliminary credential. This bill would provide that the preliminary credential is valid for a period of 3 years, revise the requirements to receive the credential, and rename it the 3-year preliminary designated subjects career technical education teaching credential. The bill also would revise the renewal requirements and instead apply those requirements to the receipt of a 5-year clear designated subjects career technical education teaching credential. The holder of either a preliminary or clear designated subjects career technical education credential would be required to satisfy the minimum experience requirements established by the local educational agency for each course the credential holder is assigned to teach.

(3) Existing law specifies the requirements to receive a clear designated subjects teaching credential for vocational education or adult education. This bill would rename that teaching credential the clear designated subjects adult education teaching credential and make it applicable only to adult education.

THE PEOPLE OF THE STATE OF CALIFORNIA DO ENACT AS FOLLOWS:

SECTION 1. Section 44253 of the Education Code is repealed.
SEC. 2. Section 44260 of the Education Code is amended to read: 44260. The minimum requirements for the three-year preliminary designated subjects career technical education teaching credential shall be all of the following: (a) Three years or the equivalent of adequate, successful, and recent experience in, or experience and education in, the subject named on the credential. (b) Possession of a high school diploma or the passage of an equivalency examination as designated by the commission. (c) Satisfaction of the requirements for teacher fitness pursuant to Sections 44339, 44340, and 44341.
(d) Notwithstanding subdivision (a), the holder of a credential described in this section shall satisfy the minimum experience requirements established by the local educational agency for each course he or she is assigned to teach.

SEC. 3. Section 44260.1 of the Education Code is amended to read: 44260.1. The minimum requirements for the five-year clear designated subjects career technical education teaching credential shall be all of the following:

(a) A valid three-year preliminary designated subjects career technical education teaching credential.
(b) Two years of successful teaching, or the equivalent, as authorized by the designated subjects preliminary career technical education teaching credential.
(c) Completion of a program of personalized preparation as approved by the commission. It is the intent of the Legislature that the program of personalized preparation be consistent with whether the credential holder performs full-time or part-time service.
(d) The study of health education as specified in subparagraph (A) of paragraph (4) of subdivision (c) of Section 44259.
(e) Completion of two semester units or passage of an examination on the principles and provisions of the United States Constitution, as specified in Section 44335.
(f) The study of computer-based technology, including the uses of technology in educational settings.
(g) Notwithstanding subdivision (b), the holder of a credential described in this section shall satisfy the minimum experience requirements established by the local educational agency for each course he or she is assigned to teach.

SEC. 4. Section 44260.8 of the Education Code is amended to read: 44260.8. (a) The minimum requirements for the clear designated subjects adult education teaching credential shall include the study of health education as specified in subparagraph (A) of paragraph (4) of subdivision (c) of Section 44259.
(b) The minimum requirements for the clear designated subjects adult education teaching credential shall include study of computer-based technology, including the uses of technology in educational settings.
ATTACHMENT B
15 Industry Sectors

This chart is intended to be a guide. Some of the subjects, such as “Drafting,” can be applied to more than one Industry Sector. Approved CTE teacher preparation programs are encouraged to examine the work experience of the individual applying for a credential and determine which Industry Sector best applies. Assignments should be considered in the same way. The most important consideration is the background and the expertise of the individual.

<table>
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<td><strong>Hospitality, Tourism, and Recreation</strong></td>
<td>• Amusement and theme park occupations</td>
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<td>• Hotel and lodging occupations</td>
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<td>• Interior maintenance (residential and commercial)</td>
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<td><strong>Manufacturing and Product Development</strong></td>
<td>• Computer-assisted manufacturing</td>
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<td>• Drafting occupations</td>
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<td>• Electronic publishing</td>
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<td>• Industrial ceramics manufacturing</td>
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<td>• Instrument repair</td>
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<td>• Machine tool operation and machine</td>
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<td>• Plastics and composites manufacturing occupations</td>
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<td>• Printing and graphics occupations</td>
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<td>• Product development, testing and demonstration</td>
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<td>• Robotics</td>
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<td>Industry Sector</td>
<td>Specific Subjects</td>
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<td>• Technical illustration</td>
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<td>• Tool and die making</td>
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<td>• Waterfront manufacturing</td>
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<td>Marketing, Sales, and</td>
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<td>• Small business ownership and/or management</td>
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<td>• Law enforcement occupations</td>
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<td>• Legal office occupations</td>
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<td>• Locksmith and safe repair</td>
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<td>• Manicures and pedicures</td>
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<td>• Protective and security services</td>
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<td>Transportation</td>
<td>• Airframe and power plant mechanics</td>
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<td>• Automobile detailing</td>
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<td>• Automotive body repair and refinishing</td>
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<td>• Automotive brake installation and repair</td>
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<td>• Automotive electrical systems service and repair</td>
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<td>• Automotive heating and air-conditioning service</td>
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<td>• Heavy equipment maintenance and repair</td>
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<td>• Motorcycle service and repair</td>
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<td>• Railroad operations</td>
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A. Making Subject Matter Comprehensible to Students

TPE 1: Specific Pedagogical Skills for Subject Matter Instruction

Background Information: TPE 1. TPE 1 is divided into two categories intended to take into account the differentiated teaching assignments of multiple subject and single subject teachers. Multiple subject credential holders work in self-contained classrooms and are responsible for instruction in several subject areas; single subject teachers work in departmentalized settings and have more specialized assignments. These categories are Subject-Specific Pedagogical Skills for Multiple Subject Teaching Assignments (1-A), and Subject-Specific Pedagogical Skills for Single Subject Teaching Assignments (1-B).

TPE 1A: Subject-Specific Pedagogical Skills for Multiple Subject Teaching Assignments

Teaching Reading-Language Arts in a Multiple Subject Assignment
Candidates for a Multiple Subject Teaching Credential demonstrate the ability to teach the state-adopted academic content standards for students in English-Language Arts (K-8). They understand how to deliver a comprehensive program of systematic instruction in word analysis, fluency, and systematic vocabulary development; reading comprehension; literary response and analysis; writing strategies and applications; written and oral English Language conventions; and listening and speaking strategies and applications. They know how to strategically plan and schedule instruction to ensure that students meet or exceed the standards. Candidates create a classroom environment where students learn to read and write, comprehend and compose, appreciate and analyze, and perform and enjoy the language arts. They understand how to make language (e.g., vocabulary, forms, uses) comprehensible to students and the need for students to master foundational skills as a gateway to using all forms of language as tools for thinking, learning, and communicating. They understand how to use instructional materials that include a range of textual, functional and recreational texts and how to teach high quality literature and expository text. They understand that the advanced skills of comprehending narrative and informational texts and literary response and analysis, and the creation of eloquent prose, all depend on a foundation of solid vocabulary, decoding, and word-recognition skills.

Candidates teach students how to use visual structures such as graphic organizers or outlines to comprehend or produce text, how to comprehend or produce narrative, expository, persuasive and descriptive texts, how to comprehend or produce the complexity of writing forms, purposes, and organizational patterns, and how to have a command of written and oral English-language conventions. They know how to determine the skill level of students through the use of meaningful indicators of reading and language arts proficiency prior to instruction, how to determine whether students are
making adequate progress on skills and concepts taught directly, and how to determine the
effectiveness of instruction and students’ proficiency after instruction.

Teaching Mathematics in a Multiple Subject Assignment
Candidates for a Multiple Subject Teaching Credential demonstrate the ability to teach the state-
adopted academic content standards for students in mathematics (K-8). They enable students to
understand basic mathematical computations, concepts, and symbols, to use these tools and processes
to solve common problems, and apply them to novel problems. They help students understand
different mathematical topics and make connections among them. Candidates help students solve real-
world problems using mathematical reasoning and concrete, verbal, symbolic, and graphic
representations. They provide a secure environment for taking intellectual risks and approaching
problems in multiple ways. Candidates model and encourage students to use multiple ways of
approaching mathematical problems, and they encourage discussion of different solution strategies.
They foster positive attitudes toward mathematics, and encourage student curiosity, flexibility, and
persistence in solving mathematical problems.

Teaching Science in a Multiple Subject Assignment
Candidates for a Multiple Subject Teaching Credential demonstrate the ability to teach the state-
adopted academic content standards for students in science (K-8). They balance the focus of instruction
between science information, concepts, and investigations. Their explanations, demonstrations, and
class activities serve to illustrate science concepts and principles, scientific investigation, and
experimentation. Candidates emphasize the importance of accuracy, precision, and estimation.

Teaching History-Social Science in a Multiple Subject Assignment
Candidates for a Multiple Subject Teaching Credential demonstrate the ability to teach the state-
adopted academic content standards for students in history-social science (K-8). They enable students
to learn and use basic analytic thinking skills in history and social science while attaining the state-
adopted academic content standards for students. They use timelines and maps to give students a
sense of temporal and spatial scale. Candidates teach students how social science concepts and themes
provide insights into historical periods and cultures. They help students understand events and periods
from multiple perspectives by using simulations, case studies, cultural artifacts, works of art and
literature, cooperative projects, and student research activities.
TPE 1B: Subject-Specific Pedagogical Skills for Single Subject Teaching Assignments

Teaching English-Language Arts in a Single Subject Assignment
Candidates for a Single Subject Teaching Credential demonstrate the ability to teach the state-adopted academic content standards for students in English-Language Arts (7-12). They understand how to deliver a comprehensive program of systematic instruction in word analysis, fluency, and systematic vocabulary development; reading comprehension; literary response and analysis; writing strategies and applications; written and oral English Language conventions; and listening and speaking strategies and applications. They know how to strategically plan and schedule instruction to ensure that students meet or exceed the standards. They understand how to make language (e.g., vocabulary, forms, uses) comprehensible to students and the need for students to master foundational skills as a gateway to using all forms of language as tools for thinking, learning and communicating. They understand how to teach the advanced skills of research-based discourse; incorporate technology into the language arts as a tool for conducting research or creating finished manuscripts and multimedia presentations; focus on analytical critique of text and of a variety of media; and provide a greater emphasis on the language arts as applied to work and careers. Candidates teach students how to comprehend and produce complex text, how to comprehend the complexity of writing forms, purposes, and organizational patterns, and how to have a command of written and oral English-language conventions. They know how to determine the skill level of students through the use of meaningful indicators of reading and language arts proficiency prior to instruction, how to determine whether students are making adequate progress on skills and concepts taught directly, and how to determine the effectiveness of instruction and students’ proficiency after instruction.

Teaching Mathematics in a Single Subject Assignment
Candidates for a Single Subject Teaching Credential in Mathematics demonstrate the ability to teach the state-adopted academic content standards for students in mathematics (7-12). They enable students to understand basic mathematical computations, concepts, and symbols, to use them to solve common problems, and to apply them to novel problems. They help students understand different mathematical topics and make connections among them. Candidates help students solve real-world problems using mathematical reasoning and concrete, verbal, symbolic, and graphic representations. They provide a secure environment for taking intellectual risks and approaching problems in multiple ways. Candidates model and encourage students to use multiple ways of approaching mathematical problems, and they encourage discussion of different solution strategies. They foster positive attitudes toward mathematics, and encourage student curiosity, flexibility, and persistence in solving mathematical problems.

Additionally, Single Subject Candidates help students in Grades 7-12 to understand mathematics as a logical system that includes definitions, axioms, and theorems, and to understand and use mathematical notation and advanced symbols. They assign and assess work through progress-monitoring and summative assessments that include illustrations of student thinking such as open-ended questions, investigations, and projects.

Teaching Science in a Single Subject Assignment
Candidates for a Single Subject Teaching Credential in Science demonstrate the ability to teach the state-adopted academic content standards for students in science (7-12). They balance the focus of
instruction between science information, concepts and principles. Their explanations, demonstrations and class activities serve to illustrate science concepts, and principles, scientific investigation, and experimentation. Candidates emphasize the importance of accuracy, precision, and estimation. Candidates encourage students to pursue science interests, especially students from groups underrepresented in science careers. When live animals are present in the classroom, candidates teach students to provide ethical care. They demonstrate sensitivity to students' cultural and ethnic backgrounds in designing science instruction.

Additionally, Single Subject Candidates guide, monitor and encourage students during investigations and experiments. They demonstrate and encourage use of multiple ways to measure and record scientific data, including the use of mathematical symbols. Single Subject Candidates structure and sequence science instruction to enhance students’ academic knowledge to meet or exceed the state-adopted academic content standards for students. They establish and monitor procedures for the care, safe use, and storage of equipment and materials, and for the disposal of potentially hazardous materials.

**Teaching History-Social Science in a Single Subject Assignment**
Candidates for a Single Subject Teaching Credential in History-Social Science demonstrate the ability to teach the state-adopted academic content standards for students in history-social science (7-12). They enable students to learn and use analytic thinking skills in history and social science while attaining the state-adopted academic content standards for students. They use timelines and maps to reinforce students’ sense of temporal and spatial scale. Candidates teach students how social science concepts and themes provide insights into historical periods and cultures. They help students understand events and periods from multiple perspectives by using simulations, case studies, cultural artifacts, works of art and literature, cooperative projects and student research activities.

Additionally, History-Social Science Single Subject Candidates connect essential facts and information to broad themes, concepts and principles, and they relate history-social science content to current or future issues. They teach students how cultural perspectives inform and influence understandings of history. They select and use age-appropriate primary and secondary documents and artifacts to help students understand a historical period, event, region or culture. Candidates ask questions and structure academic instruction to help students recognize prejudices and stereotypes. They create classroom environments that support the discussion of sensitive issues (e.g., social, cultural, religious, race and gender issues), and encourage students to reflect on and share their insights and values. They design activities to counter illustrate multiple viewpoints on issues. Candidates monitor the progress of students as they work to understand, debate, and critically analyze social science issues, data, and research conclusions from multiple perspectives.

**Teaching Agriculture in a Single Subject Assignment**
Candidates for a Single Subject Teaching Credential demonstrate the ability to teach the state-adopted academic content standard for students in Agriculture (Grades 7-12). They understand how to deliver a four year comprehensive program of systematic instruction and application of basic and advanced subject matter in animal science, plant and soil science, ornamental horticulture, agriculture business management, environmental science and natural resource management, and agricultural systems
management. Explanations, demonstrations, class and laboratory activities serve to illustrate agricultural concepts and principles, scientific investigation and experimentation, and the application of new learning. Candidates encourage students to pursue agricultural interests, especially students from groups underrepresented in agricultural careers. Candidates teach students to provide ethical care and handling of live animals. They demonstrate sensitivity to students’ cultural and ethical backgrounds in designing agriculture instruction.

Single Subject candidates will structure and sequence agricultural instruction to support and enhance students’ academic knowledge to meet or exceed the state-adopted academic content standards for students in grades 7-12. Additionally, Single Subject candidates guide, monitor and encourage students during hands-on laboratory investigations, experiments and practicum. They establish and monitor procedures for the care, safe use, and storage of equipment and materials, and for the disposal of potentially hazardous materials.

**Teaching Art in a Single Subject Assignment**
Candidates for a Single Subject Teaching Credential demonstrate the ability to teach the state-adopted academic content standards for students in Art (Grades 7-12). They are able to strategically plan, implement, and evaluate instruction that assures that students meet or exceed the visual arts content standards. They balance instruction between the gathering of information, the development of skills and techniques, and the expression of ideas in both written and visual forms.

Candidates for a Single Subject Credential in Art model and encourage student creativity, flexibility, and persistence in solving artistic problems. They provide secure environments that allow students to take risks and approach aesthetic problems in multiple ways. Their explanations, demonstrations, and planned activities serve to involve students in learning experiences that help them process and respond to sensory information through the language and skills unique to the visual arts.

Additionally, Art Single Subject Candidates help students discover ways to translate thoughts, perceptions, and ideas into original works of art using a variety of media and techniques. They establish and monitor procedures for the safe care, use, and storage of art equipment and materials. Candidates understand and are able to teach students about the historical contributions and cultural dimensions of art, providing insights into the role and development of the visual arts in past and present cultures throughout the world. They emphasize the contributions of art to culture, society, and the economy, especially in California. Teacher candidates guide students as they make informed critical judgments about the quality and success of artworks, analyzing the artist’s intent, purpose, and technical proficiency. Where appropriate, they connect and apply what is learned in the visual arts to other subject areas. Candidates understand how to relate the visual arts to life skills and lifelong learning; they provide information about opportunities for careers in art.

**Teaching Business in a Single Subject Assignment**
Candidates for a Single Subject Teaching Credential in Business demonstrate the ability to teach the state-adopted career technical education (CCTE) model curriculum standards in business (Grades 7-12) for student mastery. They prepare students to carry out business management functions with an understanding of organizational theory and development, leadership, and motivational concepts. Candidates enable students to solve real-world business problems that include methods of decision
making applied to legal and ethical principles, the application of mathematical operations leading to quantitative and qualitative analysis, and the understanding and application of accounting concepts, principles, procedures, and financial analysis. They prepare students to apply key marketing principles and concepts including but not limited to, customer service, selling, promotion, and distribution in both domestic and international markets. Candidates teach students to apply principles and procedures related to applications, networking systems, and basic concepts of programming and systems development and then ethical use of information technology in business situations.

Candidates instruct students in the basic economic principles as they apply to microeconomic and macroeconomic theories and principles in domestic and international economies. Candidates assist students in a variety of procedures to address individual career development and provide ample opportunities for students to develop their own employment and entrepreneurial skills. Candidates assist students to apply the knowledge of technology, reading, writing, mathematics, speaking, and active listening skills in a variety of business situations. They utilize a variety of authentic, performance-based assessment strategies to assess students’ skills and abilities.

Teaching Health Science in a Single Subject Assignment
Candidates for a Single Subject Teaching Credential demonstrate the ability to teach the state-adopted academic content standards for students in Health Science (Grades 7-12). Candidates demonstrate a fundamental understanding of professional, legal, scientific, behavioral and philosophical principles of health education and the role of the school health educator within a Coordinated School Health Program (CSHP). They demonstrate problem-solving and critical-thinking skills that develop confidence in the decision making process and promote healthy behaviors. Candidates recognize differences in individual growth and development and variation in culture and family life. They assess individual and community needs for health education by interpreting health related data about social and cultural environments. They differentiate between health education practices that are grounded in scientific research and those that are not research-based. They identify opportunities for collaboration among health educators in all settings, including school and community health professions. Candidates use their analytical skills to identify behaviors that enhance and/or compromise personal health and well-being. They recognize the short-term and long-term effects of the lifestyle choices and habits of individuals and integrate higher-level thinking skills within the context of various health topics. They apply a variety of risk assessment skills and prevention strategies to health-related issues. Candidates demonstrate effective communication and advocacy skills as they relate to personal, family, and community health and health education needs in order to effectively motivate California’s diverse youth to adopt a healthy lifestyle. They understand the role of communication and communication skills in interpersonal relationships and identify strategies that encourage appropriate expression.

Teaching Home Economics in a Single Subject Assignment
Candidates for a Single Subject Teaching Credential demonstrate the ability to teach the state-adopted career and technology standards for students in home economics (Grades 7-12). They understand how to create home economics career pathways by planning sequences of courses for two complementary, fiscally responsible, inclusive instructional programs, Consumer and Family Studies (CSF) and Home Economics Related Occupations (HERO). They know how to employ FHA-HERO as a teaching strategy for developing interpersonal, leadership, citizenship, and career skills. They teach students the essential
knowledge and skills for managing their personal, family, and work responsibilities through engaging learning activities, appropriately selected for the eight content areas of CFS. In the HERO program, candidates work closely with industry partners and plan authentic learning experiences to prepare students for entry-level careers or advanced training and education. They plan and supervise student work including group assignments, laboratory work, and on-the-job training. They help students understand underlying theories and complex concepts (e.g., developmental theories in child development and organic chemistry in food science) and solve real-life problems using appropriate problem-solving, creative thinking and critical thinking skills. They plan assessments of student learning, provide frequent feedback, assist students in the achievement of the standards, and use evidence of student learning to improve their program.

**Teaching Industrial and Technology Education in a Single Subject Assignment**

Candidates for a Single Subject Teaching Credential in Industrial and Technology Education (ITE) demonstrate the ability to teach the state-adopted academic content standards for students in Technology Education, traditional Industrial Arts, and all forms of Computer Education (Grades 7-12). They provide students with an understanding of the nature of technology and of its core technological concepts. They prepare students to understand and use the design process as a problem-solving model. They design and provide to students, problems, exercises, and projects that require the application of core academic knowledge, including (but not limited to) the fields of science, mathematics, economics, social science, and data analysis. Candidates teach students how to work and behave in a safe manner, and they model safety in the laboratory. They will prepare students to use all types of tools safely, correctly, and effectively.

Additionally, Industrial and Technology Education Single Subject candidates prepare students to understand the connections and interactions between technology and all aspects of society. The students will gain a heightened awareness of cultural, social, economic, and environmental concerns related to and impacted by technology. Candidates will provide connections between industry and students to facilitate real-world understandings of industry, provide external experiences, establish internships, and reinforce for students the critical role of lifelong learning as well as provide a foundation for making ITE-related career choices.

**Teaching Language Other Than English in a Single Subject Assignment**

Candidates for a Single Subject Teaching Credential in Languages Other Than English demonstrate the ability to teach the state-adopted academic content standards as outlined in the Foreign Language Framework for California Public Schools. First, and most important, they demonstrate a high proficiency in the language that allows them to conduct their classes in the target language. In addition, candidates demonstrate the ability to teach in a proficiency-oriented program with a commitment to teaching and learning using the four languages skills of listening, speaking, reading, and writing, thus enabling their students to demonstrate communicative ability in the target language from level 1 to advanced. Candidates demonstrate knowledge of the nature of language, basic linguistics and a thorough understanding of the structural rules and practical use of the target language. Candidates also demonstrate an in-depth knowledge and understanding of the cultures and societies in which the target language is spoken, with validation and enhancement of the language and cultures of heritage and native speakers. They demonstrate that they have the requisite knowledge necessary to plan and deliver challenging lessons, to assess their students using a variety of assessment tools by using current
methodology in second-language acquisition, with attention to critical thinking and emphasis on evidence of student learning to inform their best practices in teaching. Candidates also demonstrate that they have the knowledge of using technology to support and enhance their instruction.

**Teaching Music in a Single Subject Assignment**

Candidates for the Single Subject Teaching Credential demonstrate the ability to teach the state-adopted academic content standards for students in Music (Grades 7-12). They model highly developed aural musicianship and aural analysis skills, teach music theory and analysis (including transcription of musical excerpts; error detection; analysis of form, style, and compositional devices; harmonic progressions and cadences), and can teach students to read and notate music, understand the techniques of orchestration and have facility in transposition. Candidates model expressive and skillful performance on a primary instrument or voice and are proficient in keyboard skills. They use effective conducting techniques and teach students to sight sing, sight read, improvise, compose and arrange music. Candidates use wide knowledge of Western and non-Western works in their instruction. They help students understand the roles of musicians, composers, and general instruments in diverse cultures and historical periods, and identify contributions of diverse cultural, ethnic and gender groups and well-known musicians in the development of musical genres.

Candidates instruct students in voice, keyboard, woodwinds, brass, strings, guitar and percussion. They use a variety of instrumental, choral and ensemble rehearsal techniques and employ an understanding of developmental stages of learning in relation to music instruction.

Candidates enable students to understand aesthetic valuing in music and teach them to respond to, analyze and critique performances and works of music, including their own. They teach the connections and relationships between music and the other arts as well as between music and other academic disciplines. They inform students of career and lifelong learning opportunities available in the field of music, media and entertainment industries. Candidates use various learning approaches and can instruct students in using movement to demonstrate rhythm and expressive nuances of music. They instruct using a broad range of repertoire and literature and evaluate those materials for specific educational purposes. They use various strategies for sequencing, planning and assessing music learning in general music and performance classes including portfolio, video recording, audio recording, adjudication forms and rubrics.

**Teaching Physical Education in a Single Subject Assignment**

Candidates for the Single Subject Teaching Credential in Physical Education demonstrate the ability to teach the state-adopted academic content standards for students in physical education (Grades K-12). They enable students to develop the skills and knowledge they need to become active for life. Candidates balance the focus of instruction between information, concepts, and skill development to provide students with the foundation for developing active and healthy lifestyles. Candidates design a curriculum accessible to all students that includes a variety of fundamental movement, individual/dual/team sport, dance, aquatics, outdoor/adventure activities, combative, and fitness activities and that meets the developmental needs of all students, including individuals with disabilities, lower-skilled individuals, and higher performers. Candidates also demonstrate sensitivity to students’ cultural and ethnic backgrounds and include activities of global interest in the curriculum. Candidates understand how to motivate students to embrace a healthy lifestyle, to think critically and analytically in
game and sports environments, and to reflect on and solve problems to minimize barriers to physical activity participation throughout life. In addition, candidates create class environments that ensure safe and productive participation in physical activity by developing procedures for care and use of equipment, carefully organizing and monitoring activities, and monitoring facilities.

B. ASSESSING STUDENT LEARNING

TPE 2: Monitoring Student Learning During Instruction

Candidates for a Teaching Credential use progress monitoring at key points during instruction to determine whether students are progressing adequately toward achieving the state-adopted academic content standards for students. They pace instruction and re-teach content based on evidence gathered using assessment strategies such as questioning students and examining student work and products. Candidates anticipate, check for, and address common student misconceptions and misunderstandings.

TPE 3: Interpretation and Use of Assessments

Candidates for a Teaching Credential understand and use a variety of informal and formal, as well as formative and summative assessments, to determine students’ progress and plan instruction. They know about and can appropriately implement the state-adopted student assessment program. Candidates understand the purposes and uses of different types of diagnostic instruments, including entry level, progress-monitoring and summative assessments. They use multiple measures, including information from families, to assess student knowledge, skills, and behaviors. They know when and how to use specialized assessments based on students’ needs. Candidates know about and can appropriately use informal classroom assessments and analyze student work. They teach students how to use self-assessment strategies. Candidates provide guidance and time for students to practice these strategies.

Candidates understand how to familiarize students with the format of standardized tests. They know how to appropriately administer standardized tests, including when to make accommodations for students with special needs. They know how to accurately interpret assessment results of individuals and groups in order to develop and modify instruction. Candidates interpret assessment data to identify the level of proficiency of English language learners in English as well as in the students’ primary language. They give students specific, timely feedback on their learning, and maintain accurate records summarizing student achievement. They are able to explain to students and to their families, student academic and behavioral strengths, areas for academic growth, promotion and retention policies, and how a grade or progress report is derived. Candidates can clearly explain to families how to help students achieve the curriculum.

C. ENGAGING AND SUPPORTING STUDENTS IN LEARNING

TPE 4: Making Content Accessible

Candidates for Teaching Credentials incorporate specific strategies, teaching/instructional activities, procedures and experiences that address state-adopted academic content standards for students in
order to provide a balanced and comprehensive curriculum. They use instructional materials to reinforce state-adopted academic content standards for students and they prioritize and sequence essential skills and strategies in a logical, coherent manner relative to students’ current level of achievement. They vary instructional strategies according to purpose and lesson content. To meet student academic learning needs, candidates explain content clearly and reinforce content in multiple ways, such as the use of written and oral presentation, manipulatives, physical models, visual and performing arts, diagrams, non-verbal communication, and computer technology. They provide opportunities and adequate time for students to practice and apply what they have learned. They distinguish between conversational and academic language, and develop student skills in using and understanding academic language. They teach students strategies to read and comprehend a variety of texts and a variety of information sources, in the subject(s) taught. They model active listening in the classroom. Candidates encourage student creativity and imagination. They motivate students and encourage student effort. When students do not understand content, they take additional steps to foster access and comprehension for all learners. Candidates balance instruction by adjusting lesson designs relative to students’ current level of achievement.

**TPE 5: Student Engagement**
Candidates for Teaching Credentials clearly communicate instructional objectives to students. They ensure the active and equitable participation of all students. They ensure that students understand what they are to do during instruction and monitor student progress toward academic goals. If students are struggling and off-task, candidates examine why and use strategies to re-engage them. Candidates encourage students to share and examine points of view during lessons. They use community resources, student experiences, and applied learning activities to make instruction relevant. They extend the intellectual quality of student thinking by asking stimulating questions and challenging student ideas. Candidates teach students to respond to and frame meaningful questions.

**TPE 6: Developmentally Appropriate Teaching Practices**

**Background information for TPE 6:** TPEs describe knowledge, skills, and abilities for all credential candidates, and they underscore the importance of generically-effective strategies for teaching a broad range of students. The purpose of TPE 6 is to establish additional expectations that are of greatest importance in teaching students at distinct stages of child and adolescent development. It is not the intent of TPE 6 to describe practices that are appropriate or effective only at one developmental level. This TPE describes professional practices that are most commonly used and needed for students in each major phase of schooling, grades K-3, 4-8, and 9-12.  

**TPE 6A: Developmentally Appropriate Practices in Grades K-3**
During teaching assignments in Grades K-3, candidates for a Multiple Subject Teaching Credential understand how to create a structured day with opportunities for movement. They design academic activities that suit the attention span of young learners. Their instructional activities connect with the children’s immediate world; draw on key content from more than one subject area; and include hands-on experiences and manipulatives that help students learn. Candidates teach and model norms of social interactions (e.g., consideration, cooperation, responsibility, empathy). They understand that some

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1 TPE 6 does not represent a comprehensive strategy for teaching students at any particular stage; the elements of TPE 6 are intended merely to *supplement and not replace* the broader range of pedagogical skills and abilities described in the TPEs.
children hold naïve understandings of the world around them. Candidates provide educational experiences that help students develop more realistic expectations and understandings of their environment. They know how to make special plans for students who require extra help in exercising self-control among their peers or who have exceptional needs or abilities.

**TPE 6B: Developmentally Appropriate Practices in Grades 4-8**

During teaching assignments in Grades 4-8, candidates for a teaching credential build on students’ command of basic skills and understandings while providing intensive support for students who lack basic skills as defined in state-adopted academic content standards for students. They teach from grade-level texts. Candidates design learning activities to extend students’ concrete thinking and foster abstract reasoning and problem-solving skills. They help students develop learning strategies to cope with increasingly challenging academic curriculum. They assist students, as needed, in developing and practicing strategies for managing time and completing assignments. Candidates develop students’ skills for working in groups to maximize learning. They build on peer relationships and support students in trying new roles and responsibilities in the classroom. They support students' taking of intellectual risks such as sharing ideas that may include errors. Candidates distinguish between misbehavior and over-enthusiasm, and they respond appropriately to students who are testing limits and students who alternatively assume and reject responsibility.

**TPE 6C: Developmentally Appropriate Practices in Grades 9-12**

During teaching assignments in Grades 9-12, candidates for a Single Subject Teaching Credential establish intellectually challenging academic expectations and provide opportunities for students to develop advanced thinking and problem-solving skills. They frequently communicate course goals, requirements, and grading criteria to students and families. They help students to understand connections between the curriculum and life beyond high school, and they communicate the consequences of academic choices in terms of future career, school and life options. Candidates support students in assuming increasing responsibility for learning, and encourage behaviors important for work such as being on time and completing assignments. They understand adolescence as a period of intense social peer pressure to conform, and they support signs of students’ individuality while being sensitive to what being “different” means for high school students.

**TPE 7: Teaching English Learners**

Candidates for a Teaching Credential know and can apply pedagogical theories, principles, and instructional practices for comprehensive instruction of English learners. They know and can apply theories, principles, and instructional practices for English Language Development leading to comprehensive literacy in English. They are familiar with the philosophy, design, goals, and characteristics of programs for English language development, including structured English immersion. They implement an instructional program that facilitates English language development, including reading, writing, listening and speaking skills, that logically progresses to the grade level reading/language arts program for English speakers. They draw upon information about students' backgrounds and prior learning, including students' assessed levels of literacy in English and their first languages, as well as their proficiency in English, to provide instruction differentiated to students’ language abilities. They understand how and when to collaborate with specialists and para-educators to support English language development. Based on appropriate assessment information, candidates select instructional materials and strategies, including activities in the area of visual and performing arts,
to develop students’ abilities to comprehend and produce English. They use English that extends students’ current level of development yet is still comprehensible. They know how to analyze student errors in oral and written language in order to understand how to plan differentiated instruction.

Candidates for a Teaching Credential know and apply pedagogical theories, principles and practices for the development of academic language, comprehension, and knowledge in the subjects of the core curriculum. They use systematic instructional strategies, including contextualizing key concepts, to make grade-appropriate or advanced curriculum content comprehensible to English learners. They allow students to express meaning in a variety of ways, including in their first language, and, if available, manage first language support such as para-educators, peers, and books. They use questioning strategies that model or represent familiar English grammatical constructions. They make learning strategies explicit.

Candidates understand how cognitive, pedagogical, and individual factors affect students’ language acquisition. They take these factors into account in planning lessons for English language development and for academic content.

D. PLANNING INSTRUCTION AND DESIGNING LEARNING EXPERIENCES FOR STUDENTS

TPE 8: Learning about Students
Candidates for a Teaching Credential draw upon an understanding of patterns of child and adolescent development to understand their students. Using formal and informal methods, they assess students’ prior mastery of academic language abilities, content knowledge, and skills, and maximize learning opportunities for all students. Through interpersonal interactions, they learn about students’ abilities, ideas, interests, and aspirations. They encourage parents to become involved and support their efforts to improve student learning. They understand how multiple factors, including gender and health, can influence students’ behavior, and understand the connections between students’ health and their ability to learn. Based on assessment data, classroom observation, reflection, and consultation, they identify students needing specialized instruction, including students whose physical disabilities, learning disabilities, or health status require instructional adaptations, and students who are gifted.

TPE 9: Instructional Planning
Candidates for a Teaching Credential plan instruction that is comprehensive in relation to the subject matter to be taught and in accordance with state-adopted academic content standards for students. They establish clear long-term and short-term goals for student learning, based on state and local standards for student achievement as well as on students’ current levels of achievement. They use explicit teaching methods such as direct instruction and inquiry to help students meet or exceed grade level expectations. They plan how to explain content clearly and make abstract concepts concrete and meaningful. They understand the purposes, strengths, and limitations of a variety of instructional strategies, including examining student work, and they improve their successive uses of the strategies.

Teachers are not expected to speak the students’ primary language, unless they hold an appropriate credential and teach in a bilingual classroom. The expectation is that they understand how to use available resources in the primary language, including students’ primary language skills, to support their learning of English and curriculum content.
based on experience and reflection. They sequence instruction so the content to be taught connects to preceding and subsequent content. In planning lessons, they select or adapt instructional strategies, grouping strategies, and instructional material to meet student learning goals and needs. Candidates connect the content to be learned with students’ linguistic and cultural backgrounds, experiences, interests, and developmental learning needs to ensure that instruction is comprehensible and meaningful. To accommodate varied student needs, they plan differentiated instruction. When support personnel, such as aides and volunteers are available, they plan how to use them to help students reach instructional goals.

E. CREATING AND MAINTAINING EFFECTIVE ENVIRONMENTS FOR STUDENT LEARNING

TPE 10: Instructional Time
Candidates for a Teaching Credential allocate instructional time to maximize student achievement in relation to state-adopted academic content standards for students, instructional goals and scheduled academic tasks. They establish procedures for routine tasks and manage transitions to maximize instructional time. Based on reflection and consultation, they adjust the use of instructional time to optimize the learning opportunities and outcomes for all students.

TPE 11: Social Environment
Candidates for a Teaching Credential develop and maintain clear expectations for academic and social behavior. The candidates promote student effort and engagement and create a positive climate for learning. They know how to write and implement a student discipline plan. They know how to establish rapport with all students and their families for supporting academic and personal success through caring, respect, and fairness. Candidates respond appropriately to sensitive issues and classroom discussions. They help students learn to work responsibly with others and independently. Based on observations of students and consultation with other teachers, the candidate recognizes how well the social environment maximizes academic achievement for all students and makes necessary changes.

F. DEVELOPING AS A PROFESSIONAL EDUCATOR

TPE 12: Professional, Legal, and Ethical Obligations
Candidates for a Teaching Credential take responsibility for student academic learning outcomes. They are aware of their own personal values and biases and recognize ways in which these values and biases affect the teaching and learning of students. They resist racism and acts of intolerance. Candidates appropriately manage their professional time spent in teaching responsibilities to ensure that academic goals are met. They understand important elements of California and federal laws and procedures pertaining to the education of English learners, gifted students, and individuals with disabilities, including implications for their placement in classrooms. Candidates can identify suspected cases of child abuse, neglect, or sexual harassment. They maintain a non-hostile classroom environment. They carry out laws and district guidelines for reporting such cases. They understand and implement school
and district policies and state and federal law in responding to inappropriate or violent student behavior.

Candidates for a Teaching Credential understand and honor legal and professional obligations to protect the privacy, health, and safety of students, families, and other school professionals. They are aware of and act in accordance with ethical considerations and they model ethical behaviors for students. Candidates understand and honor all laws relating to professional misconduct and moral fitness.

**TPE 13: Professional Growth**
Candidates for a Teaching Credential evaluate their own teaching practices and subject matter knowledge in light of information about the state-adopted academic content standards for students and student learning. They improve their teaching practices by soliciting feedback and engaging in cycles of planning, teaching, reflecting, discerning problems, and applying new strategies. Candidates use reflection and feedback to formulate and prioritize goals for increasing their subject matter knowledge and teaching effectiveness.