

## COMMISSION ON TEACHER CREDENTIALING

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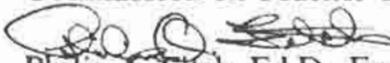


OFFICE OF THE EXECUTIVE DIRECTOR

95-9506

DATE: April 19, 1995

TO: All Individuals and Groups Interested in the Activities of the  
Commission on Teacher Credentialing

FROM:   
Philip A. Fitch, Ed.D., Executive Director

SUBJECT: Amendment of Sections 80057.5, 80089, 80089.1, 80089.2 of  
Title 5, California Code of Regulations Pertaining to  
Supplementary Authorizations in Science, Physical Education  
and English as a Second Language

The attached Title 5 regulations, pertaining to supplementary authorizations, became effective on April 8, 1995. Individuals may now apply, with a filing date of April 8, 1995 or after, for the new subjects. The changes are based on the recommendations of three Commission advisory panels: the Physical Education Advisory Panel, the Science Advisory Panel, and the Bilingual Advisory Panel. There are seven changes in the amended supplementary authorization regulations. The changes: 1) more accurately reflect the content knowledge needed to teach those subjects in California schools, 2) delete authorizations that have been incorporated into new credentials, 3) are made to conform to current laws and add clarity.

In the first three items listed below, supplementary authorizations are being deleted or revised from the prior regulations based on the panels' recommendations. Individuals have until July 1, 1996 to qualify and apply for any supplementary authorization that existed under the regulations that were just amended. The remaining four items are changes made to add clarity and consistency to the regulations and, in some cases, to conform to current laws. References to supplementary authorizations on elementary credentials are those added to Multiple Subject or Standard Elementary Teaching Credentials; on secondary credentials, are those added to Single Subject, Standard Secondary, or appropriate Special Secondary Teaching Credentials as introductory or specific subjects.

1. English as a Second Language: This has been deleted from the introductory and specific subjects for secondary credentials and the elementary credentials because the authorization has been incorporated in the new CLAD and BCLAD credentials.
2. Science: General science, life science, and physical science have been replaced by an integrated science authorization for the introductory subjects for secondary credentials and the elementary credentials. This new authorization will require completion of at least one course which includes a laboratory component. Also required is a one-year sequence of courses in at least two of the required areas.

Several changes have been made to the science areas added as specific subjects to secondary credentials. Biology and Earth Science were re-named Biological Sciences and Geosciences, respectively, to more accurately reflect the subject content. Also, the following components must be completed within each science area. Acceptable coursework must include each of the components; however each component does not require a separate course.

- a. *Biological Sciences*, including: Molecular and Cellular Biology, Biology of Organisms (characteristics of life and life forms of plants and animals), and Evolution.
- b. *Chemistry*, including: Structure and Stability, and Chemical Reactions.
- c. *Geosciences*, including: Astronomy, Geology, Meteorology, and Oceanography.
- d. *Physics*, including: Energy - Mechanics, Energy - Heat, Energy - Electricity and Magnetism, Wave Motion, and Atomic and Nuclear Physics.

Another change to these specific subjects requires that one course include a laboratory section. This can be within any of the courses used to add the science area.

3. Physical Education: The specific subject of Sports and Games, added to secondary credentials, is eliminated because the authorization was too broad.

The physical education supplementary authorizations under the introductory subjects for secondary credentials and the elementary credentials now reflect the four primary components of the grades nine and below curriculum rather than the high school level curriculum. They are the following:

- a. team sports and games;
- b. fundamental and creative movement skills (such as dance and gymnastics);

- c. human movement, motor development, and/or motor learning; and
  - d. individual, dual, nontraditional and global sports and games (such as aquatics, conditioning, and archery).
4. Language Other than English: For secondary and elementary credentials, the methods of verifying oral competency in a Language Other than English, previously known as Foreign Language, is clarified and updated to the following:
- a. passed the *oral* language portion of the Bilingual Certificate of Competence Examination;
  - b. passed the speaking and listening sections of Test 6 of the CLAD/BCLAD Examinations;
  - c. oral proficiency at a level equivalent to that of a bachelor's degree major in that language; or
  - d. oral proficiency at the level required to complete a Bilingual or BCLAD Emphasis Credential Program.
5. Teaching of Reading: This is no longer required for the supplementary authorizations added to secondary credentials because it is already required for the Single Subject Teaching Credential.
6. Non-remedial coursework: Coursework needed to satisfy the requirements for the supplementary authorizations is now defined in regulations as coursework applicable toward a bachelor's or a higher degree at a regionally accredited college or university.
7. Grades 9 and Below: The grade level for the supplementary authorizations for the elementary credentials changed from grades 6 to 9 to grades 9 and below with the 1990 change in Education Code §44256(b). The regulations now reflect this.

**80057.5. Adding Supplementary Authorizations to Teaching Credentials Used Predominantly in Elementary Schools.**

(a) The holder of a valid teaching credential specified in Education Code Section 44256(b) may have one or more of the subjects listed in subsection (c) added as a supplementary authorization. The candidate or an approved institution shall verify completion of either (1) or (2) below:

- (1) 20 semester hours or 10 upper division semester hours of non-remedial collegiate coursework in each subject from subsection (c) to be listed; or
- (2) a collegiate major in a subject directly related to each subject from subsection (c) to be listed.

A "C" grade or above in any course used to meet the provisions of this section shall be required. Non-remedial coursework for the purposes of this section shall be defined as coursework that is applicable toward a bachelor's degree or a higher degree at a regionally accredited college or university.

(b) Candidates seeking supplementary authorization in any language other than English shall, in addition to requirements specified in subsection (a), submit verification of having either (1), (2), (3), or (4) below:

- (1) passed the oral language portion of the Bilingual Certificate of Competence Examination in the language to be listed on the credential. Such verification shall be in the form of a letter from any institution or other educational agency, approved by the Commission as an assessor agency for the Bilingual Certificate of Competence. Whenever a written assessment instrument for a language other than Spanish is not available, a panel may be used by assessor agencies to assess a candidate's knowledge of the target language competencies, in accordance with Commission guidelines regulating assessment for languages other than Spanish; or
- (2) passed the speaking and listening sections of Test 6 of the Crosscultural Language and Academic Development/Bilingual Crosscultural Language and Academic Development (CLAD/BCLAD) Examinations described in Section 80015.3 in the language to be listed on the credential; or
- (3) oral proficiency in the language to be listed on the credential at a level equivalent to that of a person with a bachelor's degree with a major in that language. This level of proficiency shall be verified by a letter from the Chair of the Language Department of a regionally accredited four year college or university, or
- (4) oral proficiency in the language to be listed on the credential at the level required to complete a Bilingual Emphasis or Bilingual Crosscultural Language and Academic Development (BCLAD) Emphasis Credential Program as verified by a letter from a

person authorized to issue such verification by the college or university that offers such a program.

(c) The following subjects may be added as supplementary authorizations to a valid teaching credential specified in Education Code Section 44256(b):

- (1) Agriculture, including at least one course in each of the following areas: animal science, plant science, and agricultural mechanics;;
- (2) Art, including at least one course in each of the following areas: drawing and painting, art history or appreciation, and crafts;
- (3) Business, including at least one course in each of the following areas: office or secretarial skills, business management, and accounting or bookkeeping;
- (4) Computer Concepts and Applications, including at least one course in each of the following areas: software evaluation and selection, hardware operation and functions, and classroom uses of computers;
- (5) English, including at least one course in each of the following areas: grammar or language structure, composition, and literature;
- (6) A Language Other Than English (Specify), including at least one course in the language covering each of the following areas: grammar, composition, conversation, and literature;
- (7) Health Science, including at least one course in each of the following areas: substance abuse (including alcohol, drug, and tobacco), family health, and nutrition;
- (8) Home Economics, including at least one course in each of the following areas: foods or nutrition, clothing, and family life;
- (9) Industrial Arts, including at least one course in each of the following areas: drafting or graphic arts, woods or metals, and electricity or electronics;
- (10) Mathematics, including at least one course in each of the following areas (all coursework shall be at least at a level for which intermediate algebra is a prerequisite): algebra, geometry, and development of the real number system or introduction to mathematics; or three courses in calculus or other mathematics courses for which algebra and geometry are prerequisites;
- (11) Music, including at least one course in each of the following areas: vocal music, instrumental music, music history or appreciation, and music theory;
- (12) Physical Education, including at least one course in each of the following areas: team sports and games; fundamental and creative movement skills (such as dance and gymnastics); human movement, motor development, and/or motor learning; and individual, dual, nontraditional and global sports and games (such as aquatics, conditioning, and archery);

- (13) Science, including at least one course in each of the following areas: biological sciences, chemistry, geosciences, and physics; and
  - (14) Social Science, including at least one course in each of the following areas: United States history, California history, world history, geography, and United States government.
- (d) Science Supplementary Authorizations Authorized by 80057.5((c)13) shall include a one-year sequence of courses in at least two of the listed subject areas. At least one course must include a laboratory component.
  - (e) A subject specified in subsection (c) and listed on a teaching credential specified in Education Code Section 44256(b) as a supplementary authorization shall authorize the teaching of courses related to that subject in departmentalized classes in grades 9 and below.
  - (f) Applicants who are progressing toward completion of supplementary authorization requirements as they existed on September 1, 1993, shall have until July 1, 1996, to apply for said authorizations.

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NOTE: Authority cited: Section 44225, Education Code. Reference: Section 44256(b), Education Code. (Filed 12-9-88; operative 1-8-89; Register 89, No. 9).

**80089. Adding Supplementary Authorizations to Teaching Credentials Used Predominantly in Secondary Schools**

- (a) The holder of a valid teaching credential specified in Education Code Section 44256(a) may have one or more of the subjects listed in Sections 80089.1 and 80089.2, added as a supplementary authorization. The candidate or an approved institution shall verify completion of either (1) or (2) below:
  - (1) 20 semester hours or 10 upper division semester hours of non-remedial collegiate coursework in a subject listed in Sections 80089.1 or 80089.2, or
  - (2) a collegiate major in a subject directly related to each subject listed in Sections 80089.1 or 80089.2. A "C" grade or above in any course used to meet provisions of this section shall be required. Non-remedial coursework for the purposes of this section shall be defined as coursework that is applicable to a bachelor's degree or a higher degree at a regionally accredited college or university.
- (b) Authorization.
  - (1) A supplementary authorization added under the provisions of Section 80089.1 authorizes the holder to teach that subject at any grade level; preschool, kindergarten, grades 1-12, or in classes organized primarily for adults;

- (2) A supplementary authorization added under the provisions of Section 80089.2 authorizes the holder to teach at any grade level (preschool, kindergarten, grades 1-12, or in classes organized primarily for adults) only the subject matter content typically included for that subject in curriculum guidelines and textbooks for study in grades 9 and below.
- (c) Applicants who are progressing toward completion of supplementary authorization requirements as they existed on September 1, 1993 shall have until July 1, 1996 to apply for said authorizations.

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NOTE: Authority cited: Section 44225, Education Code. Reference: Sections 44256 and 44349, Education Code. (Filed 12-9-88; operative 1-8-88; Register 89, No. 9).

**80089.1. Subjects Added as Supplementary Authorizations  
(Specific Subjects)**

- (a) The following listed subjects may be added as supplementary authorizations to a valid teaching credential specified in Education Code Section 44256(a):

Accounting and bookkeeping	Geography
Agricultural mechanic	Geosciences
Animal science	Graphic Arts
Anthropology	Industrial crafts and plastics
Auto mechanics	Instrumental music
Biological Sciences	Journalism
Chemistry	Literature
Clothing and textiles	Marketing and distribution
Community and family health, including drug use and abuse	Metals (industrial arts)
Comparative political systems and international relations	Office services and related technologies
Computer concepts and applications	Ornamental horticulture
Consumer education (home economics)	Painting and drawing
Crafts, including jewelry and ceramics (art)	Photography
Dance	Physics
Drafting	Plant science
Drama	Plastics (industrial arts)
Economics	Psychology
Economic and consumer education	Sociology
Electronics	Speech
English Composition	US Government and US Civics
Food and nutrition	US History and California History
Forestry and horticulture	Vocal Music
	Woods (industrial arts)
	World History

(b) A supplementary authorization in a specific subject of Science may be added to a valid teaching credential specified in Education Code Section 44256(a). The course of study for Biological Sciences or Chemistry or Geosciences or Physics must include each of the components for that area. One of the courses must include a laboratory component.

- (1) Biological Sciences, including: Molecular and Cellular Biology, Biology of Organisms, and Evolution.
- (2) Chemistry, including: Structure and Stability, and Chemical Reactions.
- (3) Geosciences, including: Astronomy, Geology, Meteorology and Oceanography.
- (4) Physics, including: Energy - Mechanics, Energy - Heat, Energy - Electricity and Magnetism, Wave Motion and Atomic and Nuclear Physics.

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NOTE: Authority cited: Section 44225, Education Code. Reference: Sections 44256 and 44349, Education Code. (Filed 12-9-88; operative 1-8-88; Register 89, No. 9).

#### **80089.2. Subjects Added as Introductory Supplementary Authorizations.**

(a) Candidates seeking supplementary authorization in any language other than English shall, in addition to the requirements specified in Section 80089, submit verification of having either (1), (2), (3), or (4) below:

- (1) passed the oral language portion of the Bilingual Certificate of Competence Examination in the language to be listed on the credential. Such verification shall be in the form of a letter from any institution or other educational agency, approved by the Commission as an assessor agency for the Bilingual Certificate of Competence. Whenever a written assessment instrument for a language other than Spanish is not available, a panel may be used by assessor agencies to assess a candidate's knowledge of the target language competencies, in accordance with Commission guidelines regulating assessment for languages other than Spanish; or
- (2) passed the speaking and listening sections of Test 6 of the Crosscultural Language and Academic Development/Bilingual Crosscultural Language and Academic Development (CLAD/BCLAD) Examinations described in Section 80015.3 in the language to be listed on the credential; or
- (3) oral proficiency in the language to be listed on the credential at a level equivalent to that of a person with a bachelor's degree with a major in that language. This level of proficiency shall be

- verified by a letter from the Chair of the Language Department of a regionally accredited four-year college or university; or
- (4) oral proficiency in the language to be listed on the credential at the level required to complete a Bilingual Emphasis or Bilingual Crosscultural Language and Academic Development (BCLAD) Emphasis Credential Program as verified by a letter from a person authorized to issue such verification by the college or university that offers such a program.
- (b) The following listed subjects may be added as introductory supplementary authorizations to a valid teaching credential specified in Education Code Section 44256(a).
- (1) Introductory Agriculture, including at least one course in each of the following areas: animal science, plant science, and agricultural mechanics;
  - (2) Introductory Art, including at least one course in each of the following areas: drawing and painting, art history or appreciation, and crafts;
  - (3) Introductory Business, including at least one course in each of the following areas: office or secretarial skills, business management, and accounting or bookkeeping;
  - (4) Introductory English, including at least one course in each of the following areas: composition, literature, and grammar or language structure;
  - (5) Introductory Language Other Than English (Specify), including at least one course in the language covering each of the following areas: grammar, composition, conversation, and literature;
  - (6) Introductory Health Sciences, including at least one course in each of the following areas: substance abuse (including alcohol, drug, and tobacco), family health, and nutrition;
  - (7) Introductory Home Economics, including at least one course in each of the following areas: foods or nutrition, clothing, and family life;
  - (8) Introductory Industrial Arts, including at least one course in each of the following areas: drafting or graphic arts, woods or metals, and electricity or electronics;
  - (9) Introductory Mathematics, including at least one course in each of the following areas (all course work shall be at least at a level for which intermediate algebra is a prerequisite): college algebra, geometry, and development of the real number system or introduction to mathematics; or three courses in calculus or other mathematics courses for which algebra and geometry are prerequisites;
  - (10) Introductory Music, including at least one course in each of the following areas: vocal music, instrumental music, music history or appreciation, and music theory;

- (11) Introductory Physical Education, including at least one course in each of the following areas: team sports and games; fundamental and creative movement skills (such as dance and gymnastics); human movement, motor development, and/or motor learning; and individual, dual, nontraditional and global sports and games (such as aquatics, conditioning, and archery);
  - (12) Introductory Science, including at least one course in each of the following areas: biological sciences, chemistry, geosciences, and physics; and
  - (13) Introductory Social Science, including at least one course in each of the following areas: United States history, California history, world history, geography, and United States government.
- (c) Introductory Science Supplementary Authorizations Authorized by 80089.2(b)(12) shall include a one year sequence of courses in at least two of the listed subject areas. At least one course must include a laboratory component.

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NOTE: Authority cited: Section 44225, Education Code. Reference: Sections 44256 and 44349, Education Code. (Filed 12-9-88; operative 1-8-89; Register 89, No. 9).