

**ATTACHMENT**  
**Text of Proposed Revisions to 19 TAC**

**Chapter 231. Requirements for Public School Personnel Assignments**

**Subchapter B. Prekindergarten-Grade 6 Assignments**

**§231.3. General Education, Prekindergarten.**

- (a) All-level certification in art, health education, music, physical education, speech communication and theatre arts, or theatre may be assigned to teach in the certified area(s) in Prekindergarten-Grade 12.
- (b) An assignment for General Education, Prekindergarten, is allowed with one of the following certificates.
  - (1) Bilingual Generalist: Early Childhood-Grade 4.
  - (2) Bilingual Generalist: Early Childhood-Grade 6.
  - (3) Core Subjects: Early Childhood-Grade 6.
  - (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
  - (5) Early Childhood: Prekindergarten-Grade 3.
  - (6) ~~(4)~~ Early Childhood Education (Prekindergarten and Kindergarten).
  - (7) ~~(5)~~ Elementary--General.
    - (A) Teachers assigned prior to the 1991-1992 school year are required to complete a minimum of 90 clock-hours of in-service training (may be advanced academic training) or six semester credit hours in early childhood education, inclusive of but not limited to child development or language acquisition, by September 1, 1993, to be eligible for assignment.
    - (B) Initial assignments beginning with the 1991-1992 school year require the early childhood education delivery system or endorsement.
  - (8) ~~(6)~~ Elementary--General (Grades 1-6).
    - (A) Teachers assigned prior to the 1991-1992 school year are required to complete a minimum of 90 clock-hours of in-service training (may be advanced academic training) or six semester credit hours in early childhood education, inclusive of but not limited to child development or language acquisition, by September 1, 1993, to be eligible for assignment.
    - (B) Initial assignments beginning with the 1991-1992 school year require the early childhood education delivery system or endorsement.
  - (9) ~~(7)~~ Elementary--General (Grades 1-8).
    - (A) Teachers assigned prior to the 1991-1992 school year are required to complete a minimum of 90 clock-hours of in-service training (may be advanced academic training) or six semester credit hours in early childhood education, inclusive of but not limited to child development or language acquisition, by September 1, 1993, to be eligible for assignment.
    - (B) Initial assignments beginning with the 1991-1992 school year require the early childhood education delivery system or endorsement.
  - (10) ~~(8)~~ Elementary Early Childhood Education (Prekindergarten-Grade 6).
  - (11) ~~(9)~~ Elementary Self-Contained (Grades 1-8).
    - (A) Teachers assigned prior to the 1991-1992 school year are required to complete a minimum of 90 clock-hours of in-service training (may be advanced academic training)

or six semester credit hours in early childhood education, inclusive of but not limited to child development or language acquisition, by September 1, 1993, to be eligible for assignment.

- (B) Initial assignments beginning with the 1991-1992 school year require the early childhood education delivery system or endorsement.

- (12) [~~(10)~~] English as a Second Language Generalist: Early Childhood-Grade 4.
- (13) [~~(11)~~] English as a Second Language Generalist: Early Childhood-Grade 6.
- (14) [~~(12)~~] Generalist: Early Childhood-Grade 4.
- (15) [~~(13)~~] Generalist: Early Childhood-Grade 6.
- (16) [~~(14)~~] Kindergarten.
- (17) [~~(15)~~] Legacy Master Mathematics Teacher (Early Childhood-Grade 4) (Mathematics only).
- (18) [~~(16)~~] Legacy Master Reading Teacher (Early Childhood-Grade 12) (Reading only).
- (19) [~~(17)~~] Legacy Master Science Teacher (Early Childhood-Grade 4) (Science only).
- (20) [~~(18)~~] Prekindergarten-Grade 5.
- (21) [~~(19)~~] Prekindergarten-Grade 6.
- (22) [~~(20)~~] Teacher of Young Children--General.

**§231.9. General Education, Kindergarten.**

- (a) All-level certification in art, health education, music, physical education, speech communication and theatre arts, or theatre may be assigned to teach in the certified area(s) in Prekindergarten-Grade 12.
- (b) An assignment for General Education, Kindergarten, is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 4.
- (2) Bilingual Generalist: Early Childhood-Grade 6.
- (3) Core Subjects: Early Childhood-Grade 6.
- (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
- (5) Early Childhood: Prekindergarten-Grade 3.
- (6) [~~(4)~~] Early Childhood Education (Prekindergarten and Kindergarten).
- (7) [~~(5)~~] Elementary Early Childhood Education (Prekindergarten-Grade 6).
- (8) [~~(6)~~] English as a Second Language Generalist: Early Childhood-Grade 4.
- (9) [~~(7)~~] English as a Second Language Generalist: Early Childhood-Grade 6.
- (10) [~~(8)~~] Generalist: Early Childhood-Grade 4.
- (11) [~~(9)~~] Generalist: Early Childhood-Grade 6.
- (12) [~~(10)~~] Kindergarten.
- (13) [~~(11)~~] Legacy Master Mathematics Teacher (Early Childhood-Grade 4) (Mathematics only).
- (14) [~~(12)~~] Legacy Master Reading Teacher (Early Childhood-Grade 12) (Reading only).
- (15) [~~(13)~~] Legacy Master Science Teacher (Early Childhood-Grade 4) (Science only).
- (16) [~~(14)~~] Prekindergarten-Grade 5--General.
- (17) [~~(15)~~] Prekindergarten-Grade 6--General.
- (18) [~~(16)~~] Teacher of Young Children--General.

**§231.11. Bilingual, Prekindergarten-Grade 6, ~~[Kindergarten-Grade 6]~~**

- (a) An assignment for Bilingual, Prekindergarten-Grade 6, ~~[Kindergarten-Grade 6]~~ is allowed with one of the following certificates.
- (1) Bilingual Generalist: Early Childhood-Grade 4 (Kindergarten-Grade 4 only).
  - (2) Bilingual Generalist: Early Childhood-Grade 6.
  - (3) Bilingual Generalist: Grades 4-8 (Grades 4-6 only).
  - (4) A valid classroom teaching certificate appropriate for the grade level and subject areas taught plus any bilingual education certificate or endorsement.
  - (5) Prekindergarten-Grade 5--Bilingual/English as a Second Language (Prekindergarten-Grade 5 only).
  - (6) Prekindergarten-Grade 6--Bilingual/English as a Second Language.
  - (7) Prekindergarten-Grade 12--Bilingual/English as a Second Language.
- (b) An assignment for the English component only of a dual language immersion/one-way or two-way bilingual education program model for Prekindergarten-Grade 6 ~~[Kindergarten-Grade 6]~~ is allowed with a valid classroom teaching certificate appropriate for the grade level and subject areas taught plus a bilingual education certificate or endorsement or an English as a Second Language certificate or endorsement.

**§231.13. English as a Second Language, Prekindergarten-Grade 6, ~~[Kindergarten-Grade 6]~~**

An assignment for English as a Second Language, Prekindergarten-Grade 6, ~~[Kindergarten-Grade 6]~~ is allowed with one of the following certificates.

- (1) An elementary certified teacher with a valid English as a Second Language supplemental certificate or endorsement or bilingual education supplemental certificate or endorsement may be assigned to teach English as a Second Language at the kindergarten level.
- (2) A valid classroom teaching certificate appropriate for the grade level and subject areas taught plus one of the following.
  - (A) Bilingual Education Supplemental.
  - (B) Bilingual Education Supplemental (Early Childhood-Grade 4).
  - (C) Bilingual Education Supplemental (Grades 4-8).
  - (D) Bilingual Endorsement.
  - (E) Bilingual/English as a Second Language Endorsement.
  - (F) English as a Second Language Endorsement.
  - (G) English as a Second Language Supplemental.
- (3) Bilingual Generalist: Early Childhood-Grade 4 (Kindergarten-Grade 4 only).
- (4) Bilingual Generalist: Early Childhood-Grade 6.
- (5) Bilingual Generalist: Grades 4-8 (Grades 4-6 only).
- (6) English as a Second Language Generalist: Early Childhood-Grade 4 (Kindergarten-Grade 4 only).
- (7) English as a Second Language Generalist: Early Childhood-Grade 6.
- (8) English as a Second Language Generalist: Grades 4-8 (Grades 4-6 only).
- (9) Prekindergarten-Grade 5--Bilingual/English as a Second Language (Prekindergarten-Grade 5 only).
- (10) Prekindergarten-Grade 6--Bilingual/English as a Second Language.

- (11) Prekindergarten-Grade 12--English as a Second Language.
- (12) Prekindergarten-Grade 12--Bilingual/English as a Second Language.
- (13) Teacher certificate appropriate for grade level of assignment and assigned to teach English as a Second Language in an approved English as a Second Language program during the 1981-1982 school year in the same school district.

**§231.15. Elementary, Prekindergarten-Grade 6. [~~Grades 1-6.~~]**

An assignment for Elementary, Prekindergarten-Grade 6. [~~Grades 1-6.~~] is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (2) Bilingual Generalist: Early Childhood-Grade 6.
- (3) Bilingual Generalist: Grades 4-8 (Grades 4-6 only).
- (4) Core Subjects: Early Childhood-Grade 6.
- ~~(5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.~~
- ~~(6) Early Childhood: Prekindergarten-Grade 3 (Prekindergarten-Grade 3 only).~~
- ~~(7) [~~5~~] Core Subjects: Grades 4-8 (Grades 4-6 only).~~
- ~~(8) Core Subjects with Science of Teaching Reading: Grades 4-8 (Grades 4-6 only).~~
- ~~(9) [~~6~~] Elementary--General.~~
- ~~(10) [~~7~~] Elementary--General (Grades 1-6).~~
- ~~(11) [~~8~~] Elementary--General (Grades 1-8).~~
- ~~(12) [~~9~~] Elementary Early Childhood Education (Prekindergarten-Grade 6).~~
- ~~(13) [~~10~~] Elementary Self-Contained (Grades 1-8).~~
- ~~(14) [~~11~~] English as a Second Language Generalist: Early Childhood-Grade 4 (Grades 1-4 only).~~
- ~~(15) [~~12~~] English as a Second Language Generalist: Early Childhood-Grade 6.~~
- ~~(16) [~~13~~] English as a Second Language Generalist: Grades 4-8 (Grades 4-6 only).~~
- ~~(17) [~~14~~] Generalist: Early Childhood-Grade 4 (Grades 1-4 only).~~
- ~~(18) [~~15~~] Generalist: Early Childhood-Grade 6.~~
- ~~(19) [~~16~~] Generalist: Grades 4-8 (Grades 4-6 only).~~
- ~~(20) [~~17~~] Legacy Master Mathematics Teacher (Early Childhood-Grade 4) (Mathematics in Grades 1-4 only).~~
- ~~(21) [~~18~~] Legacy Master Mathematics Teacher (Grades 4-8) (Mathematics in Grades 4-6 only).~~
- ~~(22) [~~19~~] Legacy Master Reading Teacher (Early Childhood-Grade 12) (Reading in Grades 1-6 only).~~
- ~~(23) [~~20~~] Legacy Master Science Teacher (Early Childhood-Grade 4) (Science in Grades 1-4 only).~~
- ~~(24) [~~21~~] Legacy Master Science Teacher (Grades 4-8) (Science in Grades 4-6 only).~~
- ~~(25) [~~22~~] Prekindergarten-Grade 5--General (Grades 1-5 only).~~
- ~~(26) [~~23~~] Prekindergarten-Grade 6--General.~~
- ~~(27) [~~24~~] Teacher of Young Children--General (Grades 1-3 only).~~

**§231.17. Reading, Prekindergarten-Grade 6, [Grades 1-6.]**

An assignment for Reading, Prekindergarten-Grade 6, [Grades 1-6.] is allowed with one of the following certificates.

- (1) A teacher certificate that matches the subject and grade level of the assignment (Prekindergarten-Grade 6).
- (2) An elementary teacher certificate appropriate for Grades 1-6 assignment.
- (3) Bilingual Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (4) Bilingual Generalist: Early Childhood-Grade 6.
- (5) Bilingual Generalist: Grades 4-8 (Grades 4-6 only).
- (6) Core Subjects: Early Childhood-Grade 6.
- (7) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
- (8) Early Childhood: Prekindergarten-Grade 3 (Prekindergarten-Grade 3 only).
- (9) [~~7~~] Core Subjects: Grades 4-8 (Grades 4-6 only).
- (10) Core Subjects with Science of Teaching Reading: Grades 4-8 (Grades 4-6 only).
- (11) [~~8~~] English as a Second Language Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (12) [~~9~~] English as a Second Language Generalist: Early Childhood-Grade 6.
- (13) [~~10~~] English as a Second Language Generalist: Grades 4-8 (Grades 4-6 only).
- (14) [~~11~~] English Language Arts and Reading: Grades 4-8 (Grades 4-6 only).
- (15) [~~12~~] English Language Arts and Reading/Social Studies: Grades 4-8 (Grades 4-6 only).
- (16) [~~13~~] Generalist: Early Childhood-Grade 4 (Grades 1-4 only).
- (17) [~~14~~] Generalist: Early Childhood-Grade 6.
- (18) [~~15~~] Generalist: Grades 4-8 (Grades 4-6 only).
- (19) [~~16~~] Legacy Master Reading Teacher (Early Childhood-Grade-12).
- (20) [~~17~~] Reading Specialist.
- (21) [~~18~~] Reading Specialist (Early Childhood-Grade 12).

**§231.19. Languages Other Than English, Prekindergarten-Grade 6, [Grades 1-6.]**

An assignment for Languages Other Than English, Classical Languages, American Sign Language, or Discovering Languages and Cultures, Prekindergarten-Grade 6, [Grades 1-6.] is allowed with one of the following certificates.

- (1) A teacher certificate that matches the subject and grade level of the assignment Prekindergarten-Grade 6, [Grades 1-6.]
- (2) A Languages Other Than English certificate in the appropriate language (Early Childhood-Grade 12).
- (3) A secondary teacher certificate with a teaching field in the language of assignment plus six semester credit hours of elementary education.

**§231.21. Art, Prekindergarten-Grade 6.**

An assignment for Art, Prekindergarten-Grade 6, is allowed with one of the following certificates.

- (1) A teacher certificate that matches the subject and grade level of the assignment (Prekindergarten-Grade 6).

- (2) All-Level Art.
- (3) All-Level Art (Prekindergarten-Grade 12).
- (4) Art: Early Childhood-Grade 12.
- (5) Bilingual Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (6) Bilingual Generalist: Early Childhood-Grade 6.
- (7) Core Subjects: Early Childhood-Grade 6.
- (8) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
- (9) Early Childhood: Prekindergarten-Grade 3 (Prekindergarten-Grade 3 only).
- (10) ~~(8)~~ Early Childhood Education (Prekindergarten and Kindergarten only).
- (11) ~~(9)~~ English as a Second Language Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (12) ~~(10)~~ English as a Second Language Generalist: Early Childhood-Grade 6.
- (13) ~~(11)~~ Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (14) ~~(12)~~ Generalist: Early Childhood-Grade 6.

**§231.23. Music, Prekindergarten-Grade 6.**

An assignment for Music, Prekindergarten-Grade 6, is allowed with one of the following certificates.

- (1) A teacher certificate that matches the subject and grade level of the assignment (Prekindergarten-Grade 6).
- (2) All-Level Music.
- (3) All-Level Music (Prekindergarten-Grade 12).
- (4) Bilingual Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (5) Bilingual Generalist: Early Childhood-Grade 6.
- (6) Core Subjects: Early Childhood-Grade 6.
- (7) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
- (8) Early Childhood: Prekindergarten-Grade 3 (Prekindergarten-Grade 3 only).
- (9) ~~(7)~~ Early Childhood Education (Prekindergarten and Kindergarten only).
- (10) ~~(8)~~ English as a Second Language Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (11) ~~(9)~~ English as a Second Language Generalist: Early Childhood-Grade 6.
- (12) ~~(10)~~ Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (13) ~~(11)~~ Generalist: Early Childhood-Grade 6.
- (14) ~~(12)~~ Music: Early Childhood-Grade 12.

**§231.25. Theatre, Prekindergarten-Grade 6.**

An assignment for Theatre, Prekindergarten-Grade 6, is allowed with one of the following certificates.

- (1) All-Level Speech and Drama.
- (2) All-Level Speech Communications/Theatre Arts.
- (3) All-Level Theatre Arts.

- (4) An elementary teacher certificate appropriate for Prekindergarten-Grade 6 assignment.
- (5) Early Childhood: Prekindergarten-Grade 3 (Prekindergarten-Grade 3 only).
- (6) ~~(5)~~ Early Childhood Education (Prekindergarten and Kindergarten only).
- (7) ~~(6)~~ Theatre: Early Childhood-Grade 12.

**§231.27. Physical Education, Prekindergarten-Grade 6.**

An assignment for Physical Education, Prekindergarten-Grade 6, is allowed with one of the following certificates.

- (1) A teacher certificate that matches the subject and grade level of the assignment (Prekindergarten-Grade 6).
- (2) All-Level Physical Education.
- (3) All-Level Health and Physical Education.
- (4) An elementary teacher certificate appropriate for Prekindergarten-Grade 6 assignment.
- (5) Bilingual Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (6) Bilingual Generalist: Early Childhood-Grade 6.
- (7) Core Subjects: Early Childhood-Grade 6.
- (8) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
- (9) Early Childhood: Prekindergarten-Grade 3 (Prekindergarten-Grade 3 only).
- (10) ~~(8)~~ Early Childhood Education (Prekindergarten and Kindergarten only).
- (11) ~~(9)~~ English as a Second Language Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (12) ~~(10)~~ English as a Second Language Generalist: Early Childhood-Grade 6.
- (13) ~~(11)~~ Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (14) ~~(12)~~ Generalist: Early Childhood-Grade 6.
- (15) ~~(13)~~ Physical Education: Early Childhood-Grade 12.

**§231.31. Health Education, Prekindergarten-Grade 6.**

An assignment for Health Education, Prekindergarten-Grade 6, is allowed with one of the following certificates.

- (1) A teacher certificate that matches the subject and grade level of the assignment (Prekindergarten-Grade 6).
- (2) All-Level Physical Education.
- (3) All-Level Health and Physical Education.
- (4) An elementary teacher certificate appropriate for Prekindergarten-Grade 6 assignment.
- (5) Bilingual Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (6) Bilingual Generalist: Early Childhood-Grade 6.
- (7) Core Subjects: Early Childhood-Grade 6.
- (8) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
- (9) Early Childhood: Prekindergarten-Grade 3 (Prekindergarten-Grade 3 only).
- (10) Early Childhood Education (Prekindergarten and Kindergarten only).

- (11) English as a Second Language Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (12) English as a Second Language Generalist: Early Childhood-Grade 6.
- (13) Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only).
- (14) Generalist: Early Childhood-Grade 6.
- (15) Physical Education: Early Childhood-Grade 12.

### **Subchapter C. Grades 6-8 Assignments**

#### **§231.41. Self-Contained, Grades 6-8.**

- (a) Self-contained is defined as a class in which one teacher teaches all or most subjects to one class of students.
- (b) An assignment in a self-contained classroom for All General Subjects, Grades 6-8, is allowed with one of the following certificates.
  - (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
  - (2) Bilingual Generalist: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
  - (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
  - (5) ~~(4)~~ Core Subjects: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (6) Core Subjects with Science of Teaching Reading: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (7) ~~(5)~~ Elementary--General.
  - (8) ~~(6)~~ Elementary--General (Grades 1-6) (Grade 6 only).
  - (9) ~~(7)~~ Elementary--General (Grades 1-8).
  - (10) ~~(8)~~ Elementary Early Childhood Education (Prekindergarten-Grade 6) (Grade 6 only).
  - (11) ~~(9)~~ Elementary Self-Contained (Grades 1-8).
  - (12) ~~(10)~~ English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
  - (13) ~~(11)~~ English as a Second Language Generalist: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (14) ~~(12)~~ Generalist: Early Childhood-Grade 6 (Grade 6 only).
  - (15) ~~(13)~~ Generalist: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (16) ~~(14)~~ Prekindergarten-Grade 6--General (Grade 6 only).

#### **§231.43. All General Subjects, Grade 6.**

- (a) An assignment in a departmentalized classroom for All General Subjects, Grade 6, for a holder of a valid elementary level certificate is allowed with one of the following certificates.
  - (1) Any elementary teacher certificate appropriate for Grade 6.
  - (2) Bilingual Generalist: Early Childhood-Grade 6.
  - (3) Bilingual Generalist: Grades 4-8 (English language arts, mathematics, science, and social studies only).



- (4) Core Subjects: Early Childhood-Grade 6.
  - (5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
  - (6) ~~(5)~~ Core Subjects: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (7) Core Subjects with Science of Teaching Reading: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (8) ~~(6)~~ English as a Second Language Generalist: Early Childhood-Grade 6.
  - (9) ~~(7)~~ English as a Second Language Generalist: Grades 4-8 (English, language arts, mathematics, science, and social studies only).
  - (10) ~~(8)~~ Generalist: Early Childhood-Grade 6.
  - (11) ~~(9)~~ Generalist: Grades 4-8 (English language arts, mathematics, science, and social studies only).
- (b) Requirements for a holder of a secondary or all-level certificate in a departmentalized Grades 6-8 assignment are specified for each subject area in this subchapter.

**§231.45. English Language Arts, Grades 6-8.**

An assignment in a departmentalized classroom for English Language Arts, Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (2) Bilingual Generalist: Grades 4-8.
- (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- (5) ~~(4)~~ Core Subjects: Grades 4-8.
- (6) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (7) ~~(5)~~ Elementary English (Grades 1-8).
- (8) ~~(6)~~ Elementary teacher certificate plus 18 semester credit hours in English.
- (9) ~~(7)~~ English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (10) ~~(8)~~ English as a Second Language Generalist: Grades 4-8.
- (11) ~~(9)~~ English Language Arts and Reading: Grades 4-8.
- (12) English Language Arts and Reading with Science of Teaching Reading: Grades 4-8.
- (13) ~~(10)~~ English Language Arts and Reading/Social Studies: Grades 4-8.
- (14) English Language Arts and Reading/Social Studies with Science of Teaching Reading: Grades 4-8.
- (15) ~~(11)~~ English Language Arts and Reading: Grades 7-12 (Grades 7 and 8 only).
- (16) ~~(12)~~ English Language Arts and Reading: Grades 8-12 (Grade 8 only).
- (17) ~~(13)~~ Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (18) ~~(14)~~ Generalist: Grades 4-8.
- (19) ~~(15)~~ Grades 6-12 or Grades 6-8--English.
- (20) ~~(16)~~ Grades 6-12 or Grades 6-8--English Language Arts, Composite.
- (21) ~~(17)~~ Junior High School or High School--English.
- (22) ~~(18)~~ Junior High School or High School--English Language Arts, Composite.

- (23) [~~19~~] Secondary English (Grades 6-12).
- (24) [~~20~~] Secondary English Language Arts, Composite (Grades 6-12).
- (25) [~~21~~] Secondary or all-level teacher certificate plus 18 semester credit hours in English.

**§231.49. Reading (At or Above Grade Level), Grades 6-8.**

An assignment in a departmentalized classroom for Reading (at or above grade level), Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (2) Bilingual Generalist: Grades 4-8.
- (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- (5) [~~4~~] Core Subjects: Grades 4-8.
- (6) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (7) [~~5~~] Elementary English (Grades 1-8). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (8) [~~6~~] Elementary Reading (Grades 1-8).
- (9) [~~7~~] Elementary teacher certificate plus 18 semester credit hours in English and nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (10) [~~8~~] English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (11) [~~9~~] English as a Second Language Generalist: Grades 4-8.
- (12) [~~10~~] English Language Arts and Reading: Grades 4-8.
- (13) English Language Arts and Reading with Science of Teaching Reading: Grades 4-8.
- (14) [~~11~~] English Language Arts and Reading: Grades 7-12 (Grades 7 and 8 only).
- (15) [~~12~~] English Language Arts and Reading: Grades 8-12 (Grade 8 only).
- (16) [~~13~~] English Language Arts and Reading/Social Studies: Grades 4-8.
- (17) English Language Arts and Reading/Social Studies with Science of Teaching Reading: Grades 4-8.
- (18) [~~14~~] Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (19) [~~15~~] Generalist: Grades 4-8.
- (20) [~~16~~] Junior High School or High School--English.
- (21) [~~17~~] Junior High School or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (22) [~~18~~] Junior High School or High School--Reading.
- (23) [~~19~~] Legacy Master Reading Teacher (Early Childhood-Grade 12).
- (24) [~~20~~] Reading Specialist.

- (25) [~~21~~] Reading Specialist (Early Childhood-Grade 12).
- (26) [~~22~~] Secondary English (Grades 6-8). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (27) [~~23~~] Secondary English Language Arts, Composite (Grades 6-8). This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (28) [~~24~~] Secondary Reading (Grades 6-8).
- (29) [~~25~~] Secondary English (Grades 6-12). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (30) [~~26~~] Secondary English Language Arts, Composite (Grades 6-12). This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (31) [~~27~~] Secondary Reading (Grades 6-12).
- (32) [~~28~~] Secondary or all-level teacher certificate plus 18 semester credit hours in English and nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

**§231.51. Reading Improvement (One Year or More Below Grade Level), Grades 6-8.**

An assignment in a departmentalized classroom for Reading Improvement (one year or more below grade level), Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (2) Bilingual Generalist: Grades 4-8.
- (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- (5) [~~4~~] Core Subjects: Grades 4-8.
- (6) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (7) [~~5~~] Elementary English (Grades 1-8). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (8) [~~6~~] Elementary Reading (Grades 1-8).
- (9) [~~7~~] Elementary teacher certificate plus 18 semester credit hours in English and nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (10) [~~8~~] English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (11) [~~9~~] English as a Second Language Generalist: Grades 4-8.
- (12) [~~10~~] English Language Arts and Reading: Grades 4-8.
- (13) English Language Arts and Reading with Science of Teaching Reading: Grades 4-8.

- (14) ~~(11)~~ English Language Arts and Reading: Grades 7-12 (Grades 7 and 8 only).
- (15) ~~(12)~~ English Language Arts and Reading: Grades 8-12 (Grade 8 only).
- (16) ~~(13)~~ English Language Arts and Reading/Social Studies: Grades 4-8.
- (17) English Language Arts and Reading/Social Studies with Science of Teaching Reading: Grades 4-8.
- (18) ~~(14)~~ Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (19) ~~(15)~~ Generalist: Grades 4-8.
- (20) ~~(16)~~ Grades 6-12 or Grades 6-8--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (21) ~~(17)~~ Grades 6-12 or Grades 6-8--English Language Arts, Composite. This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (22) ~~(18)~~ Grades 6-12 or Grades 6-8--Reading.
- (23) ~~(19)~~ Junior High School or High School--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (24) ~~(20)~~ Junior High School or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (25) ~~(21)~~ Junior High School or High School--Reading.
- (26) ~~(22)~~ Legacy Master Reading Teacher (Early Childhood-Grade 12).
- (27) ~~(23)~~ Reading Specialist.
- (28) ~~(24)~~ Reading Specialist (Early Childhood-Grade 12).
- (29) ~~(25)~~ Secondary English (Grades 6-12). This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (30) ~~(26)~~ Secondary English Language Arts, Composite (Grades 6-12). This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (31) ~~(27)~~ Secondary Reading (Grades 6-12).
- (32) ~~(28)~~ Teacher certificate plus 9 semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

#### **§231.57. Social Studies, Grade 6.**

An assignment in a departmentalized classroom for Social Studies, Grade 6, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Any elementary teacher certificate appropriate for Grade 6.
- (2) Bilingual Generalist: Early Childhood-Grade 6.

- (3) Bilingual Generalist: Grades 4-8.
- (4) Core Subjects: Early Childhood-Grade 6.
- (5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
- (6) ~~(5)~~ Core Subjects: Grades 4-8.
- (7) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (8) ~~(6)~~ English as a Second Language Generalist: Early Childhood-Grade 6.
- (9) ~~(7)~~ English as a Second Language Generalist: Grades 4-8.
- (10) ~~(8)~~ English Language Arts and Reading/Social Studies: Grades 4-8.
- (11) English Language Arts and Reading/Social Studies with Science of Teaching Reading: Grades 4-8.
- (12) ~~(9)~~ Generalist: Early Childhood-Grade 6.
- (13) ~~(10)~~ Generalist: Grades 4-8.
- (14) ~~(11)~~ Grades 6-12 or Grades 6-8--Economics.
- (15) ~~(12)~~ Grades 6-12 or Grades 6-8--Geography.
- (16) ~~(13)~~ Grades 6-12 or Grades 6-8--Government.
- (17) ~~(14)~~ Grades 6-12 or Grades 6-8--History.
- (18) ~~(15)~~ Grades 6-12 or Grades 6-8--Psychology.
- (19) ~~(16)~~ Grades 6-12 or Grades 6-8--Sociology.
- (20) ~~(17)~~ Grades 6-12 or Grades 6-8--Social Studies.
- (21) ~~(18)~~ Grades 6-12 or Grades 6-8--Social Studies, Composite.
- (22) ~~(19)~~ Junior High School or High School--Anthropology.
- (23) ~~(20)~~ Junior High School or High School--Economics.
- (24) ~~(21)~~ Junior High School or High School--Geography.
- (25) ~~(22)~~ Junior High School or High School--Government-Political Science.
- (26) ~~(23)~~ Junior High School or High School--History.
- (27) ~~(24)~~ Junior High School or High School--Psychology.
- (28) ~~(25)~~ Junior High School or High School--Sociology.
- (29) ~~(26)~~ Junior High School or High School--Social Science, Composite.
- (30) ~~(27)~~ Secondary Economics (Grades 6-12).
- (31) ~~(28)~~ Secondary Geography (Grades 6-12).
- (32) ~~(29)~~ Secondary Government (Grades 6-12).
- (33) ~~(30)~~ Secondary History (Grades 6-12).
- (34) ~~(31)~~ Secondary Psychology (Grades 6-12).
- (35) ~~(32)~~ Secondary Sociology (Grades 6-12).
- (36) ~~(33)~~ Secondary Social Studies (Grades 6-12).
- (37) ~~(34)~~ Secondary Social Studies, Composite (Grades 6-12).
- (38) ~~(35)~~ Secondary or all-level teacher certificate plus 18 semester credit hours in social studies.

(39) [~~(36)~~] Social Studies: Grades 4-8.

**§231.59. Social Studies, Grades 7 and 8.**

An assignment in a departmentalized classroom for Social Studies, Grades 7 and 8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Grades 4-8.
- (2) Core Subjects: Grades 4-8.
- (3) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (4) [~~(3)~~] Elementary History.
- (5) [~~(4)~~] Elementary History (Grades 1-8).
- (6) [~~(5)~~] Elementary Social Studies (Grades 1-8).
- (7) [~~(6)~~] Elementary teacher certificate plus 18 semester credit hours in social studies.
- (8) [~~(7)~~] English as a Second Language Generalist: Grades 4-8.
- (9) [~~(8)~~] English Language Arts and Reading/Social Studies: Grades 4-8.
- (10) English Language Arts and Reading/Social Studies with Science of Teaching Reading: Grades 4-8.
- (11) [~~(9)~~] Generalist: Grades 4-8.
- (12) [~~(10)~~] Grades 6-12 or Grades 6-8--History.
- (13) [~~(11)~~] Grades 6-12 or Grades 6-8--Social Studies.
- (14) [~~(12)~~] Grades 6-12 or Grades 6-8--Social Studies, Composite.
- (15) [~~(13)~~] High School--History.
- (16) [~~(14)~~] High School--Social Science, Composite.
- (17) [~~(15)~~] History: Grades 7-12.
- (18) [~~(16)~~] History: Grades 8-12 (Grade 8 only).
- (19) [~~(17)~~] Junior High School or High School--History.
- (20) [~~(18)~~] Junior High School or High School--Social Science, Composite.
- (21) [~~(19)~~] Secondary History (Grades 6-12).
- (22) [~~(20)~~] Secondary Social Studies (Grades 6-12).
- (23) [~~(21)~~] Secondary Social Studies, Composite (Grades 6-12).
- (24) [~~(22)~~] Secondary or all-level teacher certificate plus 18 semester credit hours in social studies.
- (25) [~~(23)~~] Social Studies: Grades 4-8.
- (26) [~~(24)~~] Social Studies: Grades 7-12.
- (27) [~~(25)~~] Social Studies: Grades 8-12 (Grade 8 only).

**§231.61. Mathematics, Grades 6-8.**

An assignment in a departmentalized classroom for Mathematics, Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (2) Bilingual Generalist: Grades 4-8.

- (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- (5) ~~(4)~~ Core Subjects: Grades 4-8.
- (6) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (7) ~~(5)~~ Elementary Mathematics (Grades 1-8). A teacher holding an Elementary Mathematics (Grades 1-8) certificate may teach Algebra I at the middle school level for high school graduation credit.
- (8) ~~(6)~~ Elementary teacher certificate plus 18 semester credit hours in mathematics.
- (9) ~~(7)~~ English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (10) ~~(8)~~ English as a Second Language Generalist: Grades 4-8.
- (11) ~~(9)~~ Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (12) ~~(10)~~ Generalist: Grades 4-8.
- (13) ~~(11)~~ Grades 6-12 or Grades 6-8--Mathematics.
- (14) ~~(12)~~ Junior High School or High School--Mathematics.
- (15) ~~(13)~~ Junior High School or High School--Mathematical Science, Composite.
- (16) ~~(14)~~ Legacy Master Mathematics Teacher (Grades 4-8).
- (17) ~~(15)~~ Legacy Master Mathematics Teacher (Grades 8-12) (Grade 8 only).
- (18) ~~(16)~~ Mathematics: Grades 4-8. A teacher holding a Mathematics: Grades 4-8 certificate may teach Algebra I at the middle school level for high school graduation credit.
- (19) ~~(17)~~ Mathematics: Grades 7-12 (Grades 7 and 8 only).
- (20) ~~(18)~~ Mathematics: Grades 8-12 (Grade 8 only).
- (21) ~~(19)~~ Mathematics/Physical Science/Engineering: Grades 6-12.
- (22) ~~(20)~~ Mathematics/Physical Science/Engineering: Grades 8-12 (Grade 8 only).
- (23) ~~(21)~~ Mathematics/Science: Grades 4-8.
- (24) ~~(22)~~ Physics/Mathematics: Grades 7-12 (Grades 7 and 8 only).
- (25) ~~(23)~~ Physics/Mathematics: Grades 8-12 (Grade 8 only).
- (26) ~~(24)~~ Secondary Mathematics (Grades 6-12).
- (27) ~~(25)~~ Secondary or all-level teacher certificate plus 18 semester credit hours in mathematics.

### **§231.63. Science, Grade 6.**

An assignment in a departmentalized classroom for Science, Grade 6, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Any elementary teacher certificate appropriate for Grade 6.
- (2) Bilingual Generalist: Early Childhood-Grade 6.
- (3) Bilingual Generalist: Grades 4-8.
- (4) Core Subjects: Early Childhood-Grade 6.
- (5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
- (6) ~~(5)~~ Core Subjects: Grades 4-8.
- (7) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (8) ~~(6)~~ English as a Second Language Generalist: Early Childhood-Grade 6.

- (9) ~~(7)~~ English as a Second Language Generalist: Grades 4-8.
- (10) ~~(8)~~ Generalist: Early Childhood-Grade 6.
- (11) ~~(9)~~ Generalist: Grades 4-8.
- (12) ~~(10)~~ Grades 6-12 or Grades 6-8--Biology.
- (13) ~~(11)~~ Grades 6-12 or Grades 6-8--Chemistry.
- (14) ~~(12)~~ Grades 6-12 or Grades 6-8--Earth Science.
- (15) ~~(13)~~ Grades 6-12 or Grades 6-8--Life/Earth Science.
- (16) ~~(14)~~ Grades 6-12 or Grades 6-8--Physical Science.
- (17) ~~(15)~~ Grades 6-12 or Grades 6-8--Physics.
- (18) ~~(16)~~ Grades 6-12 or Grades 6-8--Science.
- (19) ~~(17)~~ Grades 6-12 or Grades 6-8--Science, Composite.
- (20) ~~(18)~~ Junior High School or High School--Biology.
- (21) ~~(19)~~ Junior High School or High School--Chemistry.
- (22) ~~(20)~~ Junior High School or High School--Earth Science.
- (23) ~~(21)~~ Junior High School or High School--Life/Earth Science.
- (24) ~~(22)~~ Junior High School or High School--Life/Earth Middle-School Science.
- (25) ~~(23)~~ Junior High School or High School--Physical Science.
- (26) ~~(24)~~ Junior High School or High School--Physics.
- (27) ~~(25)~~ Junior High School or High School--Science.
- (28) ~~(26)~~ Junior High School or High School--Science, Composite.
- (29) ~~(27)~~ Legacy Master Science Teacher (Grades 4-8).
- (30) ~~(28)~~ Mathematics/Science: Grades 4-8.
- (31) ~~(29)~~ Science: Grades 4-8.
- (32) ~~(30)~~ Secondary Biology (Grades 6-12).
- (33) ~~(31)~~ Secondary Chemistry (Grades 6-12).
- (34) ~~(32)~~ Secondary Earth Science (Grades 6-12).
- (35) ~~(33)~~ Secondary Life/Earth Science (Grades 6-12).
- (36) ~~(34)~~ Secondary Physical Science (Grades 6-12).
- (37) ~~(35)~~ Secondary Physics (Grades 6-12).
- (38) ~~(36)~~ Secondary Science (Grades 6-12).
- (39) ~~(37)~~ Secondary Science, Composite (Grades 6-12).
- (40) ~~(38)~~ Secondary or all-level teacher certificate plus 18 semester credit hours in any combination of sciences.

**§231.65. Science, Grades 7 and 8.**

An assignment in a departmentalized classroom for Science, Grades 7 and 8, is allowed with one of the following certificates.

- (1) Bilingual Generalist: Grades 4-8.



- (2) Chemistry: Grades 7-12.
- (3) Chemistry: Grades 8-12 (Grade 8 only).
- (4) Core Subjects: Grades 4-8.
- (5) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (6) [~~5~~] Elementary Biology.
- (7) [~~6~~] Elementary Chemistry.
- (8) [~~7~~] Elementary Earth Science.
- (9) [~~8~~] Elementary Life/Earth Middle-School Science.
- (10) [~~9~~] Elementary Physical Science.
- (11) [~~10~~] Elementary Physics.
- (12) [~~11~~] Elementary Biology (Grades 1-8).
- (13) [~~12~~] Elementary Chemistry (Grades 1-8).
- (14) [~~13~~] Elementary Earth Science (Grades 1-8).
- (15) [~~14~~] Elementary Life/Earth Middle-School Science (Grades 1-8).
- (16) [~~15~~] Elementary Physical Science (Grades 1-8).
- (17) [~~16~~] Elementary Physics (Grades 1-8).
- (18) [~~17~~] Elementary teacher certificate plus 18 semester credit hours in any combination of sciences.
- (19) [~~18~~] English as a Second Language Generalist: Grades 4-8.
- (20) [~~19~~] Generalist: Grades 4-8.
- (21) [~~20~~] Grades 6-12 or Grades 6-8--Biology.
- (22) [~~21~~] Grades 6-12 or Grades 6-8--Chemistry.
- (23) [~~22~~] Grades 6-12 or Grades 6-8--Earth Science.
- (24) [~~23~~] Grades 6-12 or Grades 6-8--Life/Earth Middle-School Science.
- (25) [~~24~~] Grades 6-12 or Grades 6-8--Physical Science.
- (26) [~~25~~] Grades 6-12 or Grades 6-8--Physics.
- (27) [~~26~~] Grades 6-12 or Grades 6-8--Science.
- (28) [~~27~~] Grades 6-12 or Grades 6-8--Science, Composite.
- (29) [~~28~~] Junior High School or High School--Biology.
- (30) [~~29~~] Junior High School or High School--Chemistry.
- (31) [~~30~~] Junior High School or High School--Earth Science.
- (32) [~~31~~] Junior High School or High School--Life/Earth Middle-School Science.
- (33) [~~32~~] Junior High School or High School--Physical Science.
- (34) [~~33~~] Junior High School or High School--Physics.
- (35) [~~34~~] Junior High School or High School--Science.
- (36) [~~35~~] Junior High School or High School--Science, Composite.
- (37) [~~36~~] Life Science: Grades 7-12.

- (38) [~~37~~] Life Science: Grades 8-12 (Grade 8 only).
- (39) [~~38~~] Legacy Master Science Teacher (Grades 4-8).
- (40) [~~39~~] Legacy Master Science Teacher (Grades 8-12) (Grade 8 only).
- (41) [~~40~~] Mathematics/Physical Science/Engineering: Grades 6-12.
- (42) [~~41~~] Mathematics/Physical Science/Engineering: Grades 8-12 (Grade 8 only).
- (43) [~~42~~] Mathematics/Science: Grades 4-8.
- (44) [~~43~~] Physical Science: Grades 6-12.
- (45) [~~44~~] Physical Science: Grades 8-12 (Grade 8 only).
- (46) [~~45~~] Physics/Mathematics: Grades 7-12.
- (47) [~~46~~] Physics/Mathematics: Grades 8-12 (Grade 8 only).
- (48) [~~47~~] Science: Grades 4-8.
- (49) [~~48~~] Science: Grades 7-12.
- (50) [~~49~~] Science: Grades 8-12 (Grade 8 only).
- (51) [~~50~~] Secondary Biology (Grades 6-12).
- (52) [~~51~~] Secondary Chemistry (Grades 6-12).
- (53) [~~52~~] Secondary Earth Science (Grades 6-12).
- (54) [~~53~~] Secondary Life/Earth Science (Grades 6-12).
- (55) [~~54~~] Secondary Physical Science (Grades 6-12).
- (56) [~~55~~] Secondary Physics (Grades 6-12).
- (57) [~~56~~] Secondary Science (Grades 6-12).
- (58) [~~57~~] Secondary Science, Composite (Grades 6-12).
- (59) [~~58~~] Secondary or all-level teacher certificate plus 18 semester credit hours in any combination of sciences.

**§231.67. Health, Grades 6-8.**

An assignment in a departmentalized classroom for Health, Grades 6-8, is allowed with one of the following certificates.

- (1) All-Level Health and Physical Education.
- (2) All-Level Physical Education.
- (3) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (5) ~~Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).~~
- (6) [~~5~~] Elementary Health.
- (7) [~~6~~] Elementary Health and Physical Education.
- (8) [~~7~~] Elementary Physical Education.
- (9) [~~8~~] Elementary Health (Grades 1-8).
- (10) [~~9~~] Elementary Health and Physical Education (Grades 1-8).
- (11) [~~10~~] Elementary Physical Education (Grades 1-8).

~~[(11) Elementary teacher certificate plus 12 semester credit hours in health, mental health, consumer health, public health, biology, microbiology, anatomy, physiology, kinesiology, foods, nutrition, family relations, disease control and prevention, safety, drug abuse prevention, or coordinated health programs.]~~

(12) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).

(13) Generalist: Early Childhood-Grade 6 (Grade 6 only).

(14) Grades 6-12 or Grades 6-8--Health.

(15) Grades 6-12 or Grades 6-8--Physical Education.

(16) Health: Early Childhood-Grade 12.

(17) Junior High School or High School--Health.

(18) Junior High School or High School--Health and Physical Education.

(19) Junior High School or High School--Physical Education.

(20) Physical Education: Early Childhood-Grade 12.

(21) Secondary Health (Grades 6-12).

(22) Secondary Physical Education (Grades 6-12).

~~[(23) Secondary or all level teacher certificate plus 12 semester credit hours in health, mental health, consumer health, public health, biology, microbiology, anatomy, physiology, kinesiology, foods, nutrition, family relations, disease control and prevention, safety, drug abuse prevention, or coordinated health programs.]~~

#### **§231.69. Physical Education, Grades 6-8.**

An assignment in a departmentalized classroom for Physical Education, Grades 6-8, is allowed with one of the following certificates.

(1) All-Level Health and Physical Education.

(2) All-Level Physical Education.

(3) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).

(4) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).

(5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).

~~(6) [(5)]~~ Elementary Health and Physical Education.

~~(7) [(6)]~~ Elementary Physical Education.

~~(8) [(7)]~~ Elementary Physical Education (Grades 1-8).

~~[(8) Elementary teacher certificate plus 12 semester credit hours in physical education, including safety and coordinated school health programs.]~~

(9) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).

(10) Generalist: Early Childhood-Grade 6 (Grade 6 only).

(11) Grades 6-12 or Grades 6-8--Physical Education.

(12) Junior High School or High School--Health and Physical Education.

(13) Junior High School or High School--Physical Education.

(14) Physical Education: Early Childhood-Grade 12.

(15) Secondary Physical Education (Grades 6-12).

~~[(16) Secondary or all-level teacher certificate plus 12 semester credit hours in physical education, including safety and coordinated school health programs.]~~

**§231.71. Art, Middle School 1-3.**

An assignment in a departmentalized classroom for Art, Middle School 1-3, is allowed with one of the following certificates.

- (1) All-Level Art.
- (2) Art: Early Childhood-Grade 12.
- (3) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- ~~(6) [(5)]~~ Elementary Art (Grades 1-8).
- ~~(7) [(6)]~~ Elementary teacher certificate plus 18 semester credit hours in art.
- ~~(8) [(7)]~~ English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- ~~(9) [(8)]~~ Generalist: Early Childhood-Grade 6 (Grade 6 only).
- ~~(10) [(9)]~~ Grades 6-12 or Grades 6-8--Art.
- ~~(11) [(10)]~~ Junior High School or High School--Art.
- ~~(12) [(11)]~~ Secondary Art (Grades 6-12).
- ~~(13) [(12)]~~ Secondary or all-level teacher certificate plus 18 semester credit hours in art.

**§231.73. Music, Middle School 1-3.**

An assignment in a departmentalized classroom for Music, Middle School 1-3, is allowed with one of the following certificates.

- (1) All-Level Music.
- (2) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- ~~(5) [(4)]~~ Elementary Music.
- ~~(6) [(5)]~~ Elementary Music (Grades 1-8).
- ~~(7) [(6)]~~ Elementary teacher certificate plus 18 semester credit hours in music.
- ~~(8) [(7)]~~ English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- ~~(9) [(8)]~~ Generalist: Early Childhood-Grade 6 (Grade 6 only).
- ~~(10) [(9)]~~ Grades 6-12 or Grades 6-8--Music.
- ~~(11) [(10)]~~ Junior High School or High School--Music.
- ~~(12) [(11)]~~ Music: Early Childhood-Grade 12.
- ~~(13) [(12)]~~ Secondary Music (Grades 6-12).
- ~~(14) [(13)]~~ Secondary or all-level teacher certificate plus 18 semester credit hours in music.

### **§231.79. Career Development, Grades 6-8.**

An assignment in a departmentalized classroom for Career Development, College and Career Readiness, or Investigating Careers, Grades 6-8, for a holder of a valid secondary or all-level certificate is allowed with a Technology Applications: Early Childhood-Grade 12 certificate, a Technology Applications: Grades 8-12 certificate, and any vocational or career and technical education classroom teaching certificate specified in §233.13 of this title (relating to Career and Technical Education (Certificates not requiring experience and preparation in a skill area)) or §233.14 of this title (relating to Career and Technical Education (Certificates requiring experience and preparation in a skill area)).

## **Subchapter E. Grades 9-12 Assignments**

### **Division 1. English Language Arts and Reading, Grades 9-12 Assignments**

#### **§231.131. Writing, Grades 9-12.**

An assignment for [Writing,] Research and Technical Writing, Creative Writing, or Practical Writing Skills; Literary Genres; Humanities; Independent Study in English; Visual Media Analysis and Production; or Contemporary Media, Grades 9-12, is allowed with one of the following certificates.

- (1) English Language Arts and Reading: Grades 7-12.
- (2) English Language Arts and Reading: Grades 8-12.
- (3) Grades 6-12 or Grades 9-12--English.
- (4) Grades 6-12 or Grades 9-12--English Language Arts, Composite.
- (5) Junior High School (Grades 9-10 only) or High School--English.
- (6) Junior High School (Grades 9-10 only) or High School--English Language Arts, Composite.
- (7) Secondary English (Grades 6-12).
- (8) Secondary English Language Arts, Composite (Grades 6-12).

#### **§231.135. Journalism, Grades 9-12.**

An assignment for Journalism, Advanced Journalism, Yearbook I-III, Literary Magazine, Newspaper [Production] I-III, Photojournalism, Advanced Broadcast Journalism I-III, or Independent Study in Journalism, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Journalism.
- (2) Grades 6-12 or Grades 9-12--English Language Arts, Composite. This assignment includes at least six semester credit hours in Journalism.
- (3) Journalism: Grades 7-12.
- (4) Journalism: Grades 8-12.
- (5) Junior High School (Grades 9-10 only) or High School--Journalism.
- (6) Junior High School (Grades 9-10 only) or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours in Journalism.
- (7) Secondary Journalism (Grades 6-12).
- (8) Secondary English Language Arts, Composite (Grades 6-12). This assignment includes at least six semester credit hours in Journalism.

### **Division 2. Languages Other Than English, Grades 9-12 Assignments**

**§231.153. American Sign Language, Grades 9-12.**

- (a) An assignment for American Sign Language, Levels I-IV, Grades 9-12, or American Sign Language, Advanced Independent Study is allowed with one of the following certificates.
  - (1) American Sign Language.
  - (2) American Sign Language: Early Childhood-Grade 12.
- (b) The Texas Assessment of Sign Communication-American Sign Language (TASC-ASL) is required for an American Sign Language assignment.

**Division 3. Social Studies, Grades 9-12 Assignments**

**§231.173. Economics with Emphasis on the Free Enterprise System and Its Benefits, Grades 9-12.**

An assignment for Economics with Emphasis on the Free Enterprise System and Its Benefits or Economics Advanced Studies, Grades 9-12, is allowed with one of the following certificates.

- (1) Any business certificate.
- (2) Grades 6-12 or Grades 9-12--Economics.
- (3) Grades 6-12 or Grades 9-12--Social Studies.
- (4) Grades 6-12 or Grades 9-12--Social Studies, Composite.
- (5) Junior High School (Grades 9-10 only) or High School--Economics.
- (6) Junior High School (Grades 9-10 only) or High School--Social Science, Composite.
- (7) Secondary Economics (Grades 6-12).
- (8) Secondary Social Studies (Grades 6-12).
- (9) Secondary Social Studies, Composite (Grades 6-12).
- (10) Social Studies: Grades 7-12.
- (11) Social Studies: Grades 8-12.

**Division 9. Career Development, Grades 9-12 Assignments**

**§231.271. Career Development, Grades 9-12.**

- (a) Subject to the requirements in subsection (e) of this section, an assignment for Career Preparation I, Career Preparation II, or Extended Career Preparation, Grades 9-12, is allowed with one of the following certificates.
  - (1) Any vocational or career and technical education (CTE) classroom teaching certificate specified in §233.13 of this title (relating to Career and Technical Education (Certificates not requiring experience and preparation in a skill area)) or §233.14 of this title (relating to Career and Technical Education (Certificates requiring experience and preparation in a skill area)).
  - (2) Any special education certificate so long as, beginning with the 2020-2021 school year, the special education-certified teacher assigned to teach this course shall complete Texas Education Agency-approved training found at [tea.texas.gov/cte](http://tea.texas.gov/cte) prior to teaching this course.
  - (3) Technology Applications: Early Childhood-Grade 12.
  - (4) Technology Applications: Grades 8-12.
- (b) An assignment for Project-Based Research, Grades 9-12, is allowed with one of the following certificates.
  - (1) Any vocational or CTE classroom teaching certificate specified in §233.13 of this title or §233.14 of this title.

- (2) Technology Applications: Early Childhood-Grade 12.
- (3) Technology Applications: Grades 8-12.
- (c) An assignment for Applied Mathematics for Technical Professionals, Grades 9-12, is allowed with one of the following certificates.
  - (1) Any vocational or CTE classroom teaching certificate specified in §233.13 of this title or §233.14 of this title. This assignment requires a bachelor's degree.
  - (2) Grades 6-12 or Grades 9-12 Mathematics.
  - (3) Legacy Master Mathematics Teacher (Grades 8-12).
  - (4) Mathematics: Grades 7-12.
  - (5) Mathematics: Grades 8-12.
  - (6) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (7) Mathematics/Physical Science/Engineering: Grades 8-12.
  - (8) Physics/Mathematics: Grades 7-12.
  - (9) Physics/Mathematics: Grades 8-12.
  - (10) Secondary Mathematics (Grades 6-12).
  - (11) Computer Science: Grades 8-12.
  - (12) Grades 6-12 or Grades 9-12--Computer Information Systems.
  - (13) Junior High School (Grades 9-10 only) or High School--Computer Information Systems.
  - (14) Secondary Computer Information Systems (Grades 6-12).
  - (15) Technology Applications: Early Childhood-Grade 12.
  - (16) Technology Applications: Grades 8-12.
- (d) All teachers assigned to Applied Mathematics for Technical Professionals shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).
- (e) The school district is responsible for ensuring that each teacher assigned to Career Preparation I, Career Preparation II, or Extended Career Preparation, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

## **Division 10. Agriculture, Food, and Natural Resources, Grades 9-12 Assignments**

### **§231.281. Agriculture, Food, and Natural Resources, Grades 9-12.**

- (a) An assignment for Advanced Energy and Natural Resource Technology; Agriculture Laboratory and Field Experience; ~~[Energy and Natural Resource Technology]~~; Equine Science; Food Processing; Food Technology and Safety; Forestry and Woodland Ecosystems; Greenhouse Operation and Production; Horticultural Science; Landscape Design and Management; Livestock Production; Principles of Agriculture, Food, and Natural Resources; Professional Standards in Agribusiness; Range Ecology and Management; Small Animal Management; Turf Grass Management; Veterinary Medical Applications; or Wildlife, Fisheries, and Ecology Management, Grades 9-12, is allowed with one of the following certificates.
  - (1) Agriculture, Food, and Natural Resources: Grades 6-12.
  - (2) Agricultural Science and Technology: Grades 6-12.
  - (3) Any vocational agriculture certificate.

- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Agriculture, Food, and Natural Resources or Extended Practicum in Agriculture, Food, and Natural Resources, Grades 9-12, is allowed with one of the following certificates.
- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
  - (2) Agricultural Science and Technology: Grades 6-12.
  - (3) Any vocational agriculture certificate.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Agriculture, Food, and Natural Resources or Extended Practicum in Agriculture, Food, and Natural Resources, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.289. Agricultural Equipment Design and Fabrication; Agricultural Structures Design and Fabrication; Agricultural Mechanics and Metal Technologies; Agricultural Power Systems; Grades 9-12.**

An assignment for Agricultural Equipment Design and Fabrication, Agricultural Structures Design and Fabrication, Agricultural Mechanics and Metal Technologies, or Agricultural Power Systems, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (5) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (6) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (7) ~~(6)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.291. Floral Design, Grades 9-12.**

An assignment for Floral Design, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (5) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (6) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (7) ~~(6)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (8) ~~(7)~~ All-Level Art.
- (9) ~~(8)~~ Art: Early Childhood-Grade 12.
- (10) ~~(9)~~ Grades 6-12 or Grades 9-12--Art.
- (11) ~~(10)~~ Junior High School (Grades 9-10 only) or High School--Art.
- (12) ~~(11)~~ Secondary Art (Grades 6-12).



**§231.293. Energy and Natural Resource Technology, Grades 9-12.**

An assignment for Energy and Natural Resource Technology, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Life Science: Grades 7-12.
- (5) Life Science: Grades 8-12.
- (6) Mathematics/Physical Science/Engineering: Grades 6-12.
- (7) Mathematics/Physical Science/Engineering: Grades 8-12.
- (8) Secondary Industrial Arts (Grades 6-12).
- (9) Secondary Industrial Technology (Grades 6-12).
- (10) Technology Education: Grades 6-12.
- (11) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (12) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (13) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

**Division 11. Architecture and Construction, Grades 9-12 Assignments**

**§231.301. Principles of Architecture; Principles of Construction, Grades 9-12.**

An assignment for Principles of Architecture or Principles of Construction, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any home economics or homemaking certificate.
- (4) Family and Consumer Sciences, Composite: Grades 6-12.
- (5) Mathematics/Physical Science/Engineering: Grades 6-12.
- (6) Mathematics/Physical Science/Engineering: Grades 8-12.
- (7) Secondary Industrial Arts (Grades 6-12).
- (8) Secondary Industrial Technology (Grades 6-12).
- (9) Technology Education: Grades 6-12.
- (10) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (11) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (12) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (13) ~~(12)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.303. Interior Design, Grades 9-12.**

- (a) An assignment for Interior Design I or Interior Design II, Grades 9-12, is allowed with one of the following certificates.
  - (1) Any home economics or homemaking certificate.
  - (2) Family and Consumer Sciences, Composite: Grades 6-12.
  - (3) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (4) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (5) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - ~~(6) Vocational Trades and Industry. This assignment requires appropriate work approval.~~
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Interior Design or Extended Practicum in Interior Design, Grades 9-12, is allowed with one of the following certificates.
  - (1) Any home economics or homemaking certificate.
  - (2) Family and Consumer Sciences, Composite: Grades 6-12.
  - (3) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (4) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (5) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - ~~(6) Vocational Trades and Industry. This assignment requires appropriate work approval.~~
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Interior Design or Extended Practicum in Interior Design, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.305. Architectural Design, Grades 9-12.**

- (a) An assignment for Architectural Design I or Architectural Design II, Grades 9-12, is allowed with one of the following certificates.
  - (1) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (2) Mathematics/Physical Science/Engineering: Grades 8-12.
  - (3) Secondary Industrial Arts (Grades 6-12).
  - (4) Secondary Industrial Technology (Grades 6-12).
  - (5) Technology Education: Grades 6-12.
  - (6) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (7) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (8) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - ~~(9) Vocational Trades and Industry. This assignment requires appropriate work approval.~~
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Architectural Design or Extended Practicum in Architectural Design, Grades 9-12, is allowed with one of the following certificates.
  - (1) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (2) Mathematics/Physical Science/Engineering: Grades 8-12.

- (3) Secondary Industrial Arts (Grades 6-12).
- (4) Secondary Industrial Technology (Grades 6-12).
- (5) Technology Education: Grades 6-12.
- (6) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (7) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (8) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

(9) [~~8~~] Vocational Trades and Industry. This assignment requires appropriate work approval.

(10) [~~9~~] Any home economics or homemaking certificate.

(11) [~~10~~] Family and Consumer Sciences, Composite: Grades 6-12.

- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Architectural Design or Extended Practicum in Architectural Design, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.307. Construction Management; Construction Technology, Grades 9-12.**

- (a) An assignment for Construction Management I, Construction Management II, Construction Technology I, or Construction Technology II, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Mathematics/Physical Science/Engineering: Grades 6-12.
- (5) Mathematics/Physical Science/Engineering: Grades 8-12.
- (6) Secondary Industrial Arts (Grades 6-12).
- (7) Secondary Industrial Technology (Grades 6-12).
- (8) Technology Education: Grades 6-12.
- (9) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (10) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (11) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

(12) [~~11~~] Vocational Trades and Industry. This assignment requires appropriate work approval.

- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Construction Management, Practicum in Construction Technology, Extended Practicum in Construction Management, or Extended Practicum in Construction Technology, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Mathematics/Physical Science/Engineering: Grades 6-12.
- (5) Mathematics/Physical Science/Engineering: Grades 8-12.
- (6) Secondary Industrial Arts (Grades 6-12).

- (7) Secondary Industrial Technology (Grades 6-12).
- (8) Technology Education: Grades 6-12.
- (9) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (10) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (11) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (12) ~~(11)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

(c) The school district is responsible for ensuring that each teacher assigned to Practicum in Construction Management, Practicum in Construction Technology, Extended Practicum in Construction Management, or Extended Practicum in Construction Technology, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.309. Building Maintenance Technology, Grades 9-12.**

An assignment for Building Maintenance Technology I or Building Maintenance Technology II, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Secondary Industrial Arts (Grades 6-12).
- (5) Secondary Industrial Technology (Grades 6-12).
- (6) Technology Education: Grades 6-12.
- (7) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (8) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (9) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (10) ~~(9)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.311. Mill and Cabinetmaking Technology, Grades 9-12.**

An assignment for Mill and Cabinetmaking Technology, Grades 9-12, is allowed with one of the following certificates.

- (1) Secondary Industrial Arts (Grades 6-12).
- (2) Secondary Industrial Technology (Grades 6-12).
- (3) Technology Education: Grades 6-12.
- (4) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (5) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (6) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (7) ~~(6)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.313. Electrical Technology; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology; Masonry Technology; and Plumbing Technology, Grades 9-12.**

- (a) An assignment for Electrical Technology I; Electrical Technology II; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration I; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration II; Masonry Technology I; Masonry Technology II; Plumbing Technology I; or Plumbing Technology II, Grades 9-12, is allowed with one of the following certificates.
- (1) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (2) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (3) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (4) ~~(4)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Masonry Technology or Extended Practicum in Masonry Technology, Grades 9-12, is allowed with one of the following certificates.
- (1) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (2) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (3) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (4) ~~(4)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Masonry Technology or Extended Practicum in Masonry Technology, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**Division 12. Arts, Audio/Video ~~Audio-Video~~ Technology, and Communications, Grades 9-12 Assignments**

**§231.333. Principles of Arts, Audio/Video Technology, and Communications, Grades 9-12.**

An assignment for Principles of Arts, Audio/Video Technology, and Communications, Grades 9-12, is allowed with one of the following certificates.

- (1) Any business or office education certificate.
- (2) Business and Finance: Grades 6-12.
- (3) Business Education: Grades 6-12.
- (4) Secondary Industrial Arts (Grades 6-12).
- (5) Secondary Industrial Technology (Grades 6-12).
- (6) Technology Applications: Early Childhood-Grade 12.
- (7) Technology Applications: Grades 8-12.
- (8) Technology Education: Grades 6-12.
- (9) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (10) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (11) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (12) ~~(11)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

~~(13)~~ ~~(12)~~ Any home economics or homemaking certificate.

~~(14)~~ ~~(13)~~ Family and Consumer Sciences, Composite: Grades 6-12.

**§231.335. Animation, Grades 9-12.**

- (a) An assignment for Animation I, Animation I Lab, Animation II, or Animation II Lab, Digital Art and Animation, 3-D Modeling and Animation, Grades 9-12, is allowed with one of the following certificates.
- (1) Any business or office education certificate.
  - (2) Business and Finance: Grades 6-12.
  - (3) Business Education: Grades 6-12.
  - (4) Secondary Industrial Arts (Grades 6-12).
  - (5) Secondary Industrial Technology (Grades 6-12).
  - (6) Technology Applications: Early Childhood-Grade 12.
  - (7) Technology Applications: Grades 8-12.
  - (8) Technology Education: Grades 6-12.
  - (9) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (10) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (11) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - ~~(12)~~ ~~(11)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Animation or Extended Practicum in Animation, Grades 9-12, is allowed with one of the following certificates.
- (1) Any business or office education certificate.
  - (2) Business and Finance: Grades 6-12.
  - (3) Business Education: Grades 6-12.
  - (4) Secondary Industrial Arts (Grades 6-12).
  - (5) Secondary Industrial Technology (Grades 6-12).
  - (6) Technology Applications: Early Childhood-Grade 12.
  - (7) Technology Applications: Grades 8-12.
  - (8) Technology Education: Grades 6-12.
  - (9) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (10) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (11) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - ~~(12)~~ ~~(11)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Animation or Extended Practicum in Animation, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.337. Audio/Video Production; Graphic Design and Illustration, Grades 9-12.**

- (a) An assignment for Audio/Video Production I; Audio/Video Production I Lab; Audio/Video Production II; Audio/Video Production II Lab; Digital Audio Technology I; Digital Audio Technology II; Graphic Design

and Illustration I; Graphic Design and Illustration I Lab; Graphic Design and Illustration II; Graphic Design and Illustration II Lab; Video Game Design; Web Game Development; Digital Design and Media Production; or Digital Communications in the 21st Century, Grades 9-12, is allowed with one of the following certificates.

- (1) Secondary Industrial Arts (Grades 6-12).
- (2) Secondary Industrial Technology (Grades 6-12).
- (3) Technology Applications: Early Childhood-Grade 12.
- (4) Technology Applications: Grades 8-12.
- (5) Technology Education: Grades 6-12.
- (6) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (7) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (8) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (9) ~~(8)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

(b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Audio/Video Production, Practicum in Graphic Design and Illustration, Extended Practicum in Audio/Video Production, or Extended Practicum in Graphic Design and Illustration, Grades 9-12, is allowed with one of the following certificates.

- (1) Secondary Industrial Arts (Grades 6-12).
- (2) Secondary Industrial Technology (Grades 6-12).
- (3) Technology Applications: Early Childhood-Grade 12.
- (4) Technology Applications: Grades 8-12.
- (5) Technology Education: Grades 6-12.
- (6) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (7) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (8) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (9) ~~(8)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

(c) The school district is responsible for ensuring that each teacher assigned to Practicum in Audio/Video Production, Practicum in Graphic Design and Illustration, Extended Practicum in Audio/Video Production, or Extended Practicum in Graphic Design and Illustration, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

### **§231.339. Photography, Grades 9-12.**

- (a) An assignment for Commercial Photography I, Commercial Photography I Lab, Commercial Photography II, or Commercial Photography II Lab, Grades 9-12, is allowed with one of the following certificates.
- (1) Art (Early Childhood-Grade 12).
  - (2) Art: Junior High School (Grades 9-10 only), High School, Secondary.
  - (3) Art (Grades 6-12, Grades 9-12, or All-Level).
  - (4) Secondary Industrial Arts (Grades 6-12).
  - (5) Secondary Industrial Technology (Grades 6-12).
  - (6) Technology Education: Grades 6-12.

- (7) Technology Applications: Early Childhood-Grade 12.
  - (8) Technology Applications: Grades 8-12.
  - (9) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (10) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (11) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (12) ~~(11)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Commercial Photography or Extended Practicum in Commercial Photography, Grades 9-12, is allowed with one of the following certificates.
- (1) Secondary Industrial Arts (Grades 6-12).
  - (2) Secondary Industrial Technology (Grades 6-12).
  - (3) Technology Education: Grades 6-12.
  - (4) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (5) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (6) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (7) ~~(6)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
  - (8) ~~(7)~~ Technology Applications: Early Childhood-Grade 12.
  - (9) ~~(8)~~ Technology Applications: Grades 8-12.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Commercial Photography or Extended Practicum in Commercial Photography, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.341. Printing and Imaging Technology, Grades 9-12.**

- (a) An assignment for Printing and Imaging Technology I, Printing and Imaging Technology I Lab, Printing and Imaging Technology II, or Printing and Imaging Technology II Lab, Grades 9-12, is allowed with one of the following certificates.
- (1) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (2) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (3) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (4) ~~(3)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
  - (5) ~~(4)~~ Technology Applications: Early Childhood-Grade 12.
  - (6) ~~(5)~~ Technology Applications: Grades 8-12.
  - (7) ~~(6)~~ Technology Education: Grades 6-12.
  - (8) ~~(7)~~ Secondary Industrial Arts: Grades 8-12.
  - (9) ~~(8)~~ Secondary Industrial Technology: Grades 6-12.
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Printing and Imaging Technology or Extended Practicum in Printing and Imaging Technology, Grades 9-12, is allowed with one of the following certificates.



- (1) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (2) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (3) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (4) ~~(3)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
  - (5) ~~(4)~~ Technology Applications: Early Childhood-Grade 12.
  - (6) ~~(5)~~ Technology Applications: Grades 8-12.
  - (7) ~~(6)~~ Technology Education: Grades 6-12.
  - (8) ~~(7)~~ Secondary Industrial Arts: Grades 8-12.
  - (9) ~~(8)~~ Secondary Industrial Technology: Grades 6-12.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Printing and Imaging Technology or Extended Practicum in Printing and Imaging Technology, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

### **Division 14. Education and Training, Grades 9-12 Assignments**

#### **§231.381. Education and Training, Grades 9-12.**

- (a) An assignment for Instructional Practices or Principles of Education and Training, Grades 9-12, is allowed with any valid classroom teacher or administrator certificate.
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Education and Training , ~~or~~ Extended Practicum in Education and Training , Practicum in Early Learning, or Extended Practicum in Early Learning , Grades 9-12, is allowed with any valid classroom teacher or administrator certificate.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Education and Training , ~~or~~ Extended Practicum in Education and Training, Practicum in Early Learning, or Extended Practicum in Early Learning, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

### **Division 16. Government and Public Administration, Grades 9-12 Assignments**

#### **§231.401. Government and Public Administration, Grades 9-12.**

- (a) An assignment for Foreign Service and Diplomacy, Planning and Governance, Political Science I and II, Principles of Government and Public Administration, or Public Management and Administration, Grades 9-12, is allowed with one of the following.
  - (1) Grades 6-12 or Grades 9-12--Government.
  - (2) Grades 6-12 or Grades 9-12--Social Studies.
  - (3) Junior High School (Grades 9-10 only) or High School--Government-Political Science.
  - (4) Junior High School (Grades 9-10 only) or High School--Social Science, Composite.
  - (5) Secondary Government (Grades 6-12).
  - (6) Secondary Political Science (Grades 6-12).
  - (7) Secondary Social Science, Composite (Grades 6-12).
  - (8) Secondary Social Studies, Composite (Grades 6-12).
  - (9) Social Studies: Grades 7-12.

- (10) Social Studies: Grades 8-12.
  - (11) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (12) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (13) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (14) ~~(13)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Local, State, and Federal Government or Extended Practicum in Local, State, and Federal Government, Grades 9-12, is allowed with one of the following certificates.
- (1) Grades 6-12 or Grades 9-12--Government.
  - (2) Grades 6-12 or Grades 9-12--Social Studies.
  - (3) Junior High School (Grades 9-10 only) or High School--Government-Political Science.
  - (4) Junior High School (Grades 9-10 only) or High School--Social Science, Composite.
  - (5) Secondary Government (Grades 6-12).
  - (6) Secondary Political Science (Grades 6-12).
  - (7) Secondary Social Science, Composite (Grades 6-12).
  - (8) Secondary Social Studies, Composite (Grades 6-12).
  - (9) Social Studies: Grades 7-12.
  - (10) Social Studies: Grades 8-12.
  - (11) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (12) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (13) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (14) ~~(13)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Local, State, and Federal Government or Extended Practicum in Local, State, and Federal Government, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.403. Revenue, Taxation, and Regulation, Grades 9-12.**

An assignment for Revenue, Taxation, and Regulation, Grades 9-12, is allowed with one of the following certificates.

- (1) Any business or office education certificate.
- (2) Business and Finance: Grades 6-12.
- (3) Business Education: Grades 6-12.
- (4) Grades 6-12 or Grades 9-12--Social Studies.
- (5) Junior High School (Grades 9-10 only) or High School--Social Science, Composite.
- (6) Secondary Social Science, Composite (Grades 6-12).
- (7) Secondary Social Studies, Composite (Grades 6-12).
- (8) Social Studies: Grades 7-12.
- (9) Social Studies: Grades 8-12.

- (10) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (11) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (12) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (13) [~~(12)~~] Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.405. National Security, Grades 9-12.**

An assignment for National Security, Grades 9-12, is allowed with one of the following certificates.

- (1) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (2) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (3) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (4) [~~(3)~~] Vocational Trades and Industry. This assignment requires appropriate work approval.

**Division 17. Health Science, Grades 9-12 Assignments**

**§231.421. Health Science, Grades 9-12.**

- (a) An assignment for Health Science Theory, Health Science Clinical, Pharmacology, Pharmacy II, Principles of Health Science, or World Health Research, Grades 9-12, is allowed with one of the following certificates.
  - (1) Health Science: Grades 6-12.
  - (2) Health Science Technology Education: Grades 8-12.
  - (3) Vocational Health Occupations.
  - (4) Vocational Health Science Technology.
- (b) An assignment for Medical Terminology or Medical Assistant, Grades 9-12, is allowed with one of the following certificates.
  - (1) Secondary Biology (Grades 6-12).
  - (2) Secondary Science (Grades 6-12).
  - (3) Secondary Science, Composite (Grades 6-12).
  - (4) Health Science: Grades 6-12.
  - (5) Health Science Technology Education: Grades 8-12.
  - (6) Life Science: Grades 7-12.
  - (7) Life Science: Grades 8-12.
  - (8) Legacy Master Science Teacher (Grades 8-12).
  - (9) Science: Grades 7-12.
  - (10) Science: Grades 8-12.
  - (11) Vocational Health Occupations.
  - (12) Vocational Health Science Technology.
- (c) Subject to the requirements in subsection (d) of this section, an assignment for Practicum in Health Science or Extended Practicum in Health Science, Grades 9-12, is allowed with one of the following certificates.

- (1) Health Science: Grades 6-12.
  - (2) Health Science Technology Education: Grades 8-12.
  - (3) Vocational Health Occupations.
  - (4) Vocational Health Science Technology.
- (d) The school district is responsible for ensuring that each teacher assigned to Practicum in Health Science or Extended Practicum in Health Science, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.423. Anatomy and Physiology, Medical Microbiology, ~~and~~ Pathophysiology, and Respiratory Therapy I, Grades 9-12.**

- (a) An assignment for Anatomy and Physiology, Medical Microbiology, ~~and~~ Pathophysiology, or Respiratory Therapy I, Grades 9-12, is allowed with one of the following certificates.
- (1) Secondary Biology (Grades 6-12).
  - (2) Secondary Science (Grades 6-12).
  - (3) Secondary Science, Composite (Grades 6-12).
  - (4) Health Science: Grades 6-12. This assignment requires a bachelor's degree.
  - (5) Health Science Technology Education: Grades 8-12. This assignment requires a bachelor's degree.
  - (6) Life Science: Grades 7-12.
  - (7) Life Science: Grades 8-12.
  - (8) Legacy Master Science Teacher (Grades 8-12).
  - (9) Science: Grades 7-12.
  - (10) Science: Grades 8-12.
  - (11) Vocational Health Occupations. This assignment requires a bachelor's degree.
  - (12) Vocational Health Science Technology. This assignment requires a bachelor's degree.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

**§231.425. Mathematics for Medical Professionals; Medical Coding and Billing, Grades 9-12. [~~Grades 9-12.~~]**

- (a) An assignment for Mathematics for Medical Professionals or Medical Coding and Billing, Grades 9-12, is allowed with one of the following certificates.
- (1) Health Science: Grades 6-12. This assignment requires a bachelor's degree.
  - (2) Health Science Technology Education: Grades 8-12. This assignment requires a bachelor's degree.
  - (3) Vocational Health Occupations. This assignment requires a bachelor's degree.
  - (4) Vocational Health Science Technology. This assignment requires a bachelor's degree.
  - (5) Legacy Master Mathematics Teacher (Grades 8-12).
  - (6) Mathematics: Grades 7-12.
  - (7) Mathematics: Grades 8-12.
  - (8) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (9) Mathematics/Physical Science/Engineering: Grades 8-12.
  - (10) Physics/Mathematics: Grades 7-12.

- (11) Physics/Mathematics: Grades 8-12.
  - (12) Secondary Mathematics.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

**§231.427. Health Informatics, Grades 9-12.**

An assignment for Health Informatics, Grades 9-12, is allowed with one of the following certificates.

- (1) Health Science: Grades 6-12.
- (2) Health Science Technology Education: Grades 8-12.
- (3) Vocational Health Occupations.
- (4) Vocational Health Science Technology.
- ~~(5) Any business or office education certificate.~~
- ~~(6) Business and Finance: Grades 6-12.~~
- ~~(7) Business Education: Grades 6-12.~~
- ~~(8) Marketing: Grades 6-12.~~
- ~~(9) Marketing Education: Grades 8-12.~~

**§231.429. Healthcare Administration and Management; Leadership and Management in Nursing, Grades 9-12.**

An assignment for Healthcare Administration and Management or Leadership and Management in Nursing, Grades 9-12, is allowed with one of the following certificates.

- (1) Health Science: Grades 6-12.
- (2) Health Science Technology Education: Grades 8-12.
- (3) Vocational Health Occupations.
- (4) Vocational Health Science Technology.

**Division 18. Hospitality and Tourism, Grades 9-12 Assignments**

**§231.441. Hospitality and Tourism, Grades 9-12.**

- (a) An assignment for Hospitality Services, Hotel Management, Principles of Hospitality and Tourism, or Travel and Tourism Management, Grades 9-12, is allowed with one of the following certificates.
- (1) Any home economics or homemaking certificate.
  - (2) Any marketing or distributive education certificate.
  - (3) Family and Consumer Sciences, Composite: Grades 6-12.
  - (4) Hospitality, Nutrition, and Food Sciences: Grades 8-12.
  - (5) Marketing: Grades 6-12.
  - (6) Marketing Education: Grades 8-12.
  - (7) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (8) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.

(9) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

(10) [(9)] Vocational Trades and Industry. This assignment requires appropriate work approval.

(b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Hospitality Services or Extended Practicum in Hospitality Services, Grades 9-12, is allowed with one of the following certificates.

(1) Any home economics or homemaking certificate.

(2) Any marketing or distributive education certificate.

(3) Family and Consumer Sciences, Composite: Grades 6-12.

(4) Hospitality, Nutrition, and Food Sciences: Grades 8-12.

(5) Marketing: Grades 6-12.

(6) Marketing Education: Grades 8-12.

(7) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.

(8) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.

(9) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

(10) [(9)] Vocational Trades and Industry. This assignment requires appropriate work approval.

(c) The school district is responsible for ensuring that each teacher assigned to Practicum in Hospitality Services or Extended Practicum in Hospitality Services, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

#### **§231.443. Culinary Arts, Grades 9-12.**

(a) An assignment for Introduction to Culinary Arts, Culinary Arts, or Advanced Culinary Arts, Grades 9-12, is allowed with one of the following certificates.

(1) Any home economics or homemaking certificate.

(2) Family and Consumer Sciences, Composite: Grades 6-12.

(3) Hospitality, Nutrition, and Food Sciences: Grades 8-12.

(4) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.

(5) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.

(6) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

(7) [(6)] Vocational Trades and Industry. This assignment requires appropriate work approval.

(b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Culinary Arts or Extended Practicum in Culinary Arts, Grades 9-12, is allowed with one of the following certificates.

(1) Any home economics or homemaking certificate.

(2) Family and Consumer Sciences, Composite: Grades 6-12.

(3) Hospitality, Nutrition, and Food Sciences: Grades 8-12.

(4) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.

(5) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.

(6) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

- (7) ~~(6)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Culinary Arts or Extended Practicum in Culinary Arts, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

### **Division 19. Human Services, Grades 9-12 Assignments**

#### **§231.469. Cosmetology, Grades 9-12.**

An assignment for Introduction to Cosmetology, Cosmetology I, Cosmetology II, or Principles of Cosmetology Design and Color Theory, Grades 9-12, is allowed with one of the following certificates plus a valid Cosmetology Operator license or Class A Barber Operator license. ~~[a valid license as a cosmetology instructor issued by the Texas Department of Licensing and Regulation.]~~

- (1) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (2) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (3) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (4) ~~(3)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

### **Division 20. Information Technology, Grades 9-12 Assignments**

#### **§231.481. Information Technology, Grades 9-12.**

An assignment for Principles of Information Technology, Networking, or Networking Lab, Grades 9-12, is allowed with one of the following certificates.

- (1) Any business or office education certificate.
- (2) Business and Finance: Grades 6-12.
- (3) Business Education: Grades 6-12.
- (4) Secondary Industrial Arts (Grades 6-12).
- (5) Secondary Industrial Technology (Grades 6-12).
- (6) Technology Applications: Early Childhood-Grade 12.
- (7) Technology Applications: Grades 8-12.
- (8) Technology Education: Grades 6-12.
- (9) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (10) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (11) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (12) ~~(11)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

#### **§231.483. Digital Media, Grades 9-12.**

An assignment for Digital Media, Grades 9-12, is allowed with one of the following certificates.

- (1) Any business or office education certificate.
- (2) Business and Finance: Grades 6-12.
- (3) Business Education: Grades 6-12.
- (4) Secondary Industrial Arts (Grades 6-12).

- (5) Secondary Industrial Technology (Grades 6-12).
- (6) Technology Education: Grades 6-12.
- (7) Technology Applications: Early Childhood-Grade 12.
- (8) Technology Applications: Grades 8-12.
- (9) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (10) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (11) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (12) ~~(11)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.485. Web Communications, Web Design, Grades 9-12.**

An assignment for Web Communications or Web Design, Grades 9-12, is allowed with one of the following certificates.

- (1) Secondary Industrial Arts (Grades 6-12).
- (2) Secondary Industrial Technology (Grades 6-12).
- (3) Technology Applications: Early Childhood-Grade 12.
- (4) Technology Applications: Grades 8-12.
- (5) Technology Education: Grades 6-12.
- (6) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (7) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (8) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (9) ~~(8)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (10) ~~(9)~~ Any business or office education certificate.
- (11) ~~(10)~~ Business and Finance: Grades 6-12.
- (12) ~~(11)~~ Business Education: Grades 6-12.

**§231.487. Computer Maintenance, Grades 9-12.**

An assignment for Computer Maintenance or Computer Maintenance Lab, Grades 9-12, is allowed with one of the following certificates.

- (1) Secondary Industrial Arts (Grades 6-12).
- (2) Secondary Industrial Technology (Grades 6-12).
- (3) Technology Education: Grades 6-12.
- (4) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (5) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (6) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (7) ~~(6)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (8) ~~(7)~~ Technology Applications: Early Childhood-Grade 12.
- (9) ~~(8)~~ Technology Applications: Grades 8-12.



**§231.489. Computer Technician; Information Technology, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Computer Technician Practicum, Extended Computer Technician Practicum, Practicum in Information Technology, or Extended Practicum in Information Technology, Grades 9-12, is allowed with one of the following certificates.
  - (1) Secondary Industrial Arts (Grades 6-12).
  - (2) Secondary Industrial Technology (Grades 6-12).
  - (3) Technology Education: Grades 6-12.
  - (4) Technology Applications: Early Childhood-Grade 12.
  - (5) Technology Applications: Grades 8-12.
  - (6) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (7) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (8) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - ~~(9) Vocational Trades and Industry.~~ This assignment requires appropriate work approval.
- (b) The school district is responsible for ensuring that each teacher assigned to Computer Technician Practicum, Extended Computer Technician Practicum, Practicum in Information Technology, or Extended Practicum in Information Technology, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**Division 21. Law, Public Safety, Corrections, and Security, Grades 9-12 Assignments**

**§231.501. Law, Public Safety, Corrections, and Security, Grades 9-12.**

- (a) An assignment for Correctional Services; Court Systems and Practices; Criminal Investigations; Federal Law Enforcement and Protective Services; Firefighter I and II; Law Enforcement I and II; or Principles of Law, Public Safety, Corrections, and Security, Grades 9-12, is allowed with a valid license appropriate for the assignment plus one of the following certificates.
  - (1) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (2) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (3) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - ~~(4) Vocational Trades and Industry.~~ This assignment requires appropriate work approval.
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Law, Public Safety, Corrections, and Security or Extended Practicum in Law, Public Safety, Corrections, and Security, Grades 9-12, is allowed with a current license appropriate for the assignment plus one of the following certificates.
  - (1) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (2) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (3) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - ~~(4) Vocational Trades and Industry.~~ This assignment requires appropriate work approval.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Law, Public Safety, Corrections, and Security or Extended Practicum in Law, Public Safety, Corrections, and Security, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.503. Forensic Science, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Forensic Science, Grades 9-12, is allowed with one of the following certificates.
- (1) Chemistry: Grades 7-12.
  - (2) Chemistry: Grades 8-12.
  - (3) Health Science: Grades 6-12. This assignment requires a bachelor's degree.
  - (4) Health Science Technology Education: Grades 8-12. This assignment requires a bachelor's degree.
  - (5) Life Science: Grades 7-12.
  - (6) Life Science: Grades 8-12.
  - (7) Legacy Master Science Teacher (Grades 8-12).
  - (8) Science: Grades 7-12.
  - (9) Science: Grades 8-12.
  - (10) Secondary Biology (Grades 6-12).
  - (11) Secondary Chemistry (Grades 6-12).
  - (12) Secondary Science (Grades 6-12).
  - (13) Secondary Science, Composite (Grades 6-12).
  - (14) Trade and Industrial Education: Grades 6-12. This assignment requires a bachelor's degree and appropriate work approval.
  - (15) Trade and Industrial Education: Grades 8-12. This assignment requires a bachelor's degree and appropriate work approval.
  - (16) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (17) ~~(16)~~ Vocational Health Occupations. This assignment requires a bachelor's degree.
  - (18) ~~(17)~~ Vocational Health Science Technology. This assignment requires a bachelor's degree.
  - (19) ~~(18)~~ Vocational Trades and Industry. This assignment requires a bachelor's degree and appropriate work approval.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

**Division 22. Manufacturing, Grades 9-12 Assignments**

**§231.521. Manufacturing, Grades 9-12.**

- (a) An assignment for Diversified Manufacturing I, Diversified Manufacturing II, Manufacturing Engineering Technology I, Metal Fabrication and Machining I, Metal Fabrication and Machining II, Precision Metal Manufacturing I, Precision Metal Manufacturing II, Precision Metal Manufacturing II Lab, Principles of Manufacturing, Grades 9-12, is allowed using one of the following certificates.
- (1) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (2) Mathematics/Physical Science/Engineering: Grades 8-12.
  - (3) Secondary Industrial Arts (Grades 6-12).
  - (4) Secondary Industrial Technology (Grades 6-12).

- (5) Technology Education: Grades 6-12.
  - (6) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (7) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (8) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (9) ~~(8)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Manufacturing or Extended Practicum in Manufacturing, Grades 9-12, is allowed with one of the following certificates.
- (1) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (2) Mathematics/Physical Science/Engineering: Grades 8-12.
  - (3) Secondary Industrial Arts (Grades 6-12).
  - (4) Secondary Industrial Technology (Grades 6-12).
  - (5) Technology Education: Grades 6-12.
  - (6) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (7) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (8) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (9) ~~(8)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
  - (10) ~~(9)~~ Agriculture, Food, and Natural Resources: Grades 6-12.
  - (11) ~~(10)~~ Agricultural Science and Technology: Grades 6-12.
  - (12) ~~(11)~~ Any vocational agriculture certificate.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Manufacturing or Extended Practicum in Manufacturing, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.523. Welding, Grades 9-12.**

An assignment for Introduction to Welding, Welding I, Welding II, or Welding II Lab, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Secondary Industrial Arts (Grades 6-12).
- (5) Secondary Industrial Technology (Grades 6-12).
- (6) Technology Education: Grades 6-12.
- (7) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (8) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (9) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (10) ~~(9)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.525. Manufacturing Engineering Technology II, Grades 9-12.**

- (a) An assignment for Manufacturing Engineering Technology II, Grades 9-12, is allowed with one of the following certificates.
- (1) Grades 6-12 or Grades 9-12 Mathematics.
  - (2) Legacy Master Mathematics Teacher (Grades 8-12).
  - (3) Mathematics: Grades 7-12.
  - (4) Mathematics: Grades 8-12.
  - (5) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (6) Mathematics/Physical Science/Engineering: Grades 8-12.
  - (7) Physics/Mathematics: Grades 7-12.
  - (8) Physics/Mathematics: Grades 8-12.
  - (9) Secondary Industrial Arts (Grades 6-12).
  - (10) Secondary Industrial Arts Technology (Grades 6-12).
  - (11) Secondary Mathematics.
  - (12) Technology Education: Grades 6-12.
  - (13) Trade and Industrial Education: Grades 6-12. This assignment requires a bachelor's degree and appropriate work approval.
  - (14) Trade and Industrial Education: Grades 8-12. This assignment requires a bachelor's degree and appropriate work approval.
  - (15) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (16) ~~(15)~~ Vocational Trades and Industry. This assignment requires a bachelor's degree and appropriate work approval.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching the course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

**Division 23. Marketing, Grades 9-12 Assignments**

**§231.543. Advertising, Grades 9-12.**

An assignment for Advertising, Grades 9-12, is allowed with one of the following certificates.

- (1) Any marketing or distributive education certificate.
- (2) Marketing: Grades 6-12.
- (3) Marketing Education: Grades 8-12.
- (4) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (5) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (6) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (7) ~~(6)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (8) ~~(7)~~ Any business or office education certificate.
- (9) ~~(8)~~ Business and Finance: Grades 6-12.

(10) ~~(9)~~ Business Education: Grades 6-12.

## **Division 24. Science, Technology, Engineering, and Mathematics, Grades 9-12 Assignments**

### **§231.561. Principles of Applied Engineering, Grades 9-12.**

An assignment for Principles of Applied Engineering, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Health Science: Grades 6-12.
- (5) Health Science Technology Education: Grades 8-12.
- (6) Mathematics/Physical Science/Engineering: Grades 6-12.
- (7) Mathematics/Physical Science/Engineering: Grades 8-12.
- ~~(8) Science, Technology, Engineering, and Mathematics: Grades 6-12.~~
- (8) ~~(9)~~ Secondary Industrial Arts (Grades 6-12).
- (9) ~~(10)~~ Secondary Industrial Technology (Grades 6-12).
- (10) ~~(11)~~ Technology Education: Grades 6-12.
- (11) ~~(12)~~ Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (12) ~~(13)~~ Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (13) ~~Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.~~
- (14) Vocational Health Occupations.
- (15) Vocational Health Science Technology.
- (16) Vocational Trades and Industry. This assignment requires appropriate work approval.

### **§231.563. Principles of Biosciences, Grades 9-12.**

An assignment for Principles of Biosciences, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Health Science: Grades 6-12.
- (5) Health Science Technology Education: Grades 8-12.
- (6) Mathematics/Physical Science/Engineering: Grades 6-12.
- (7) Mathematics/Physical Science/Engineering: Grades 8-12.
- ~~(8) Science, Technology, Engineering, and Mathematics: Grades 6-12.~~
- (8) ~~(9)~~ Secondary Industrial Technology (Grades 6-12).
- (9) ~~(10)~~ Secondary Industrial Arts (Grades 6-12).

- (10) ~~(41)~~ Technology Education: Grades 6-12.
- (11) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (12) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (13) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (14) ~~(42)~~ Vocational Health Occupations.
- (15) ~~(43)~~ Vocational Health Science Technology.

**§231.565. Biotechnology I; Biotechnology II, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Biotechnology I or Biotechnology II, Grades 9-12, is allowed with one of the following certificates.
  - (1) Agriculture, Food, and Natural Resources: Grades 6-12.
  - (2) Agricultural Science and Technology: Grades 6-12.
  - (3) Any vocational agriculture certificate.
  - (4) Health Science: Grades 6-12. This assignment requires a bachelor's degree.
  - (5) Health Science Technology Education: Grades 8-12. This assignment requires a bachelor's degree.
  - (6) Life Science: Grades 7-12.
  - (7) Life Science: Grades 8-12.
  - (8) Legacy Master Science Teacher (Grades 8-12).
  - (9) Science: Grades 7-12.
  - (10) Science: Grades 8-12.
  - ~~(11) Science, Technology, Engineering, and Mathematics: Grades 6-12.~~
  - (11) ~~(42)~~ Secondary Biology (Grades 6-12).
  - (12) ~~(43)~~ Secondary Science (Grades 6-12).
  - (13) ~~(44)~~ Secondary Science, Composite (Grades 6-12).
  - (14) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (15) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (16) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (17) ~~(45)~~ Vocational Health Occupations. This assignment requires a bachelor's degree.
  - (18) ~~(46)~~ Vocational Health Science Technology. This assignment requires a bachelor's degree.
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

**§231.567. Engineering Design and Presentation, Grades 9-12.**

- (a) An assignment for Engineering Design and Presentation I or Engineering Design and Presentation II, Grades 9-12, is allowed with one of the following certificates.
  - (1) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (2) Mathematics/Physical Science/Engineering: Grades 8-12.

~~[(3) Science, Technology, Engineering, and Mathematics: Grades 6-12.]~~

(3) ~~[(4)]~~ Secondary Industrial Arts (Grades 6-12).

(4) ~~[(5)]~~ Secondary Industrial Technology (Grades 6-12).

(5) ~~[(6)]~~ Technology Education: Grades 6-12.

(6) ~~[(7)]~~ Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.

(7) ~~[(8)]~~ Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.

(8) ~~Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.~~

(9) Vocational Trades and Industry. This assignment requires appropriate work approval.

(b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Science, Technology, Engineering, and Mathematics or Extended Practicum in Science, Technology, Engineering, and Mathematics, Grades 9-12, is allowed with one of the following certificates.

(1) Agriculture, Food, and Natural Resources: Grades 6-12.

(2) Agricultural Science and Technology: Grades 6-12.

(3) Any vocational agriculture certificate.

(4) Health Science: Grades 6-12. This assignment requires a bachelor's degree.

(5) Health Science Technology Education: Grades 8-12. This assignment requires a bachelor's degree.

(6) Life Science: Grades 7-12.

(7) Life Science: Grades 8-12.

(8) Mathematics/Physical Science/Engineering: Grades 6-12.

(9) Mathematics/Physical Science/Engineering: Grades 8-12.

~~[(10) Science, Technology, Engineering, and Mathematics: Grades 6-12.]~~

(10) ~~[(11)]~~ Secondary Industrial Arts (Grades 6-12).

(11) ~~[(12)]~~ Secondary Industrial Technology (Grades 6-12).

(12) ~~[(13)]~~ Technology Education: Grades 6-12.

(13) ~~[(14)]~~ Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.

(14) ~~[(15)]~~ Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.

(15) ~~Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.~~

(16) Vocational Trades and Industry. This assignment requires appropriate work approval.

(c) The school district is responsible for ensuring that each teacher assigned to Practicum in Science, Technology, Engineering, and Mathematics or Extended Practicum in Science, Technology, Engineering, and Mathematics, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

### **§231.569. Engineering Mathematics; Robotics II, Grades 9-12.**

(a) Subject to the requirements in subsection (b) of this section, an assignment for Engineering Mathematics or Robotics II, Grades 9-12, is allowed with one of the following certificates.

(1) Legacy Master Mathematics Teacher (Grades 8-12).

- (2) Mathematics: Grades 7-12.
- (3) Mathematics: Grades 8-12.
- (4) Mathematics/Physical Science/Engineering: Grades 6-12.
- (5) Mathematics/Physical Science/Engineering: Grades 8-12.
- (6) Physics/Mathematics: Grades 7-12.
- (7) Physics/Mathematics: Grades 8-12.
- ~~(8) Science, Technology, Engineering, and Mathematics: Grades 6-12.~~

(8) ~~(9)~~ Secondary Mathematics (Grades 6-12).

(9) ~~(10)~~ Secondary Industrial Arts (Grades 6-12).

(10) ~~(11)~~ Secondary Industrial Technology (Grades 6-12).

(11) ~~(12)~~ Technology Education: Grades 6-12.

(12) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.

(13) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.

(14) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

**§231.571. AC/DC Electronics; Solid State Electronics, Grades 9-12.**

An assignment for Electronics, AC/DC Electronics, or Solid State Electronics, Grades 9-12, is allowed with one of the following certificates.

(1) Mathematics/Physical Science/Engineering: Grades 6-12.

(2) Mathematics/Physical Science/Engineering: Grades 8-12.

~~(3) Science, Technology, Engineering, and Mathematics: Grades 6-12.~~

(3) ~~(4)~~ Secondary Industrial Arts (Grades 6-12).

(4) ~~(5)~~ Secondary Industrial Technology (Grades 6-12).

(5) ~~(6)~~ Technology Education: Grades 6-12.

(6) ~~(7)~~ Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.

(7) ~~(8)~~ Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.

(8) ~~(9)~~ Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

(9) Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.573. Principles of Technology, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Principles of Technology, Grades 9-12, is allowed with one of the following certificates.

(1) Legacy Master Science Teacher (Grades 8-12).

(2) Mathematics/Physical Science/Engineering: Grades 6-12.

(3) Mathematics/Physical Science/Engineering: Grades 8-12.



- (4) Physical Science: Grades 6-12.
- (5) Physical Science: Grades 8-12.
- (6) Physics/Mathematics: Grades 7-12.
- (7) Physics/Mathematics: Grades 8-12.
- (8) Science: Grades 7-12.
- (9) Science: Grades 8-12.
- ~~[(10) Science, Technology, Engineering, and Mathematics: Grades 6-12.]~~

- (10) [(11)] Secondary Industrial Arts (Grades 6-12).
- (11) [(12)] Secondary Industrial Technology (Grades 6-12).
- (12) [(13)] Secondary Physics (Grades 6-12).
- (13) [(14)] Secondary Science, Composite (Grades 6-12).
- (14) [(15)] Technology Education: Grades 6-12.
- (15) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (16) Trade and Industrial Education: Grades 8-12: This assignment requires appropriate work approval.
- (17) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

- (b) An assignment for Principles of Technology, Grades 9-12, may also be taught with a vocational agriculture certificate or a trades and industry certificate with verifiable physics applications experience in business and industry, if assigned prior to the 1998-1999 school year. Six semester credit hours of college physics, chemistry, or electricity/electronics may be substituted for the business and industry experience. All teachers assigned to these courses shall participate in Texas Education Agency-approved training prior to teaching these courses effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

**§231.575. Engineering Design and Problem Solving, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Engineering Design and Problem Solving, Grades 9-12, is allowed with one of the following certificates.
  - (1) Legacy Master Science Teacher (Grades 8-12).
  - (2) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (3) Mathematics/Physical Science/Engineering: Grades 8-12.
  - (4) Physical Science: Grades 6-12.
  - (5) Physical Science: Grades 8-12.
  - (6) Physics/Mathematics: Grades 7-12.
  - (7) Physics/Mathematics: Grades 8-12.
  - (8) Science: Grades 7-12.
  - (9) Science: Grades 8-12.

- ~~[(10) Science, Technology, Engineering, and Mathematics: Grades 6-12.]~~
- (10) [(11)] Secondary Industrial Arts (Grades 6-12).
- (11) [(12)] Secondary Industrial Technology (Grades 6-12).
- (12) [(13)] Secondary Physics (Grades 6-12).

- (13) ~~(14)~~ Secondary Science (Grades 6-12).
- (14) ~~(15)~~ Secondary Science, Composite (Grades 6-12).
- (15) ~~(16)~~ Technology Education: Grades 6-12.
- ~~(16) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.~~
- ~~(17) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.~~
- ~~(18) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.~~

- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

**§231.577. Scientific Research and Design, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Scientific Research and Design, Grades 9-12, is allowed with one of the following certificates.
  - (1) Any vocational or career and technical education classroom teaching certificate with a bachelor's degree and 18 semester credit hours in any combination of sciences.
  - (2) Any science certificate valid for the grade level of the assignment.
  - (3) Legacy Master Science Teacher (Grades 8-12).
  - ~~(4) Science, Technology, Engineering, and Mathematics: Grades 6-12.~~
- (b) All teachers assigned to this course shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

**§231.579. Engineering Science, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Engineering Science, Grades 9-12, is allowed with one of the following certificates.
  - (1) Legacy Master Science Teacher (Grades 8-12).
  - (2) Mathematics/Physical Science/Engineering: Grades 6-12.
  - (3) Mathematics/Physical Science/Engineering: Grades 8-12.
  - (4) Physical Science: Grades 6-12.
  - (5) Physical Science: Grades 8-12.
  - (6) Physics/Mathematics: Grades 7-12.
  - (7) Physics/Mathematics: Grades 8-12.
  - (8) Science: Grades 7-12.
  - (9) Science: Grades 8-12.
  - ~~(10) Science, Technology, Engineering, and Mathematics: Grades 6-12.~~
- ~~(10) ~~(11)~~ Secondary Industrial Arts (Grades 6-12).~~
- ~~(11) ~~(12)~~ Secondary Industrial Technology (Grades 6-12).~~
- ~~(12) ~~(13)~~ Secondary Physics (Grades 6-12).~~
- ~~(13) ~~(14)~~ Secondary Science (Grades 6-12).~~
- ~~(14) ~~(15)~~ Secondary Science, Composite (Grades 6-12).~~

(15) ~~(16)~~ Technology Education: Grades 6-12.

~~(16) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.~~

~~(17) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.~~

~~(18) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.~~

- (b) All teachers assigned to Engineering Science shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

### **§231.581. Digital Electronics, Grades 9-12.**

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Digital Electronics, Grades 9-12, is allowed with one of the following certificates.

(1) Legacy Master Mathematics Teacher (Grades 8-12).

(2) Mathematics/Physical Science/Engineering: Grades 6-12.

(3) Mathematics/Physical Science/Engineering: Grades 8-12.

(4) Physics/Mathematics: Grades 7-12.

(5) Physics/Mathematics: Grades 8-12.

~~(6) Science, Technology, Engineering, and Mathematics: Grades 6-12.]~~

~~(6) ~~(7)~~ Secondary Industrial Arts (Grades 6-12).~~

~~(7) ~~(8)~~ Secondary Industrial Technology (Grades 6-12).~~

~~(8) ~~(9)~~ Secondary Mathematics (Grades 6-12).~~

~~(9) ~~(10)~~ Technology Education: Grades 6-12.~~

~~(10) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.~~

~~(11) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.~~

~~(12) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.~~

- (b) All teachers assigned to Digital Electronics shall participate in Texas Education Agency-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at [tea.texas.gov/cte](http://tea.texas.gov/cte).

### **§231.583. Robotics I, Grades 9-12.**

An assignment for Robotics I, Grades 9-12, is allowed with one of the following certificates.

(1) Mathematics/Physical Science/Engineering: Grades 6-12.

(2) Mathematics/Physical Science/Engineering: Grades 8-12.

(3) Physics/Mathematics: Grades 7-12.

(4) Physics/Mathematics: Grades 8-12.

~~(5) Science, Technology, Engineering, and Mathematics: Grades 6-12.]~~

~~(5) ~~(6)~~ Secondary Industrial Arts (Grades 6-12).~~

~~(6) ~~(7)~~ Secondary Industrial Technology (Grades 6-12).~~

~~(7) ~~(8)~~ Technology Applications: Early Childhood-Grade 12.~~

~~(8) ~~(9)~~ Technology Applications: Grades 8-12.~~

- (9) ~~[(10)]~~ Technology Education: Grades 6-12.
- (10) ~~[(11)]~~ Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (11) ~~[(12)]~~ Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (12) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (13) Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.587. Fundamentals of Computer Science, Advanced Placement Computer Science Principles, Grades 9-12.**

An assignment for Fundamentals of Computer Science or Advanced Placement Computer Science Principles, Grades 9-12, is allowed with one of the following certificates.

- (1) Computer Science: Grades 8-12.
- (2) Grades 6-12 or Grades 9-12--Computer Information Systems.
- (3) Junior High School (Grades 9-10 only) or High School--Computer Information Systems.
- (4) Secondary Computer Information Systems (Grades 6-12).
- (5) Technology Applications: Early Childhood-Grade 12.
- (6) Technology Applications: Grades 8-12.
- (7) Trade and Industrial Education: Grades 6-12. This assignment requires a bachelor's degree and appropriate work approval.
- (8) Trade and Industrial Education: Grades 8-12. This assignment requires a bachelor's degree and appropriate work approval.
- (9) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires a bachelor's degree and appropriate work approval.

**§231.589. Game Programming and Design, Grades 9-12.**

An assignment for Game Programming and Design, Grades 9-12, is allowed with one of the following certificates.

- (1) Computer Science: Grades 8-12.
- (2) Grades 6-12 or Grades 9-12--Computer Information Systems.
- (3) Junior High School (Grades 9-10 only) or High School--Computer Information Systems.
- (4) Secondary Computer Information Systems (Grades 6-12).
- (5) Secondary Industrial Arts (Grades 6-12).
- (6) Secondary Industrial Technology (Grades 6-12).
- (7) Technology Applications: Early Childhood-Grade 12.
- (8) Technology Applications: Grades 8-12.
- (9) Technology Education: Grades 6-12.
- (10) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (11) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (12) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.

~~(13)~~ ~~(12)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

**§231.591. Mobile Applications Development, Grades 9-12.**

An assignment for Mobile Applications Development, Grades 9-12, is allowed with one of the following certificates.

- (1) Computer Science: Grades 8-12.
- (2) Grades 6-12 or Grades 9-12--Computer Information Systems.
- (3) Junior High School (Grades 9-10 only) or High School--Computer Information Systems.
- (4) Secondary Computer Information Systems (Grades 6-12).
- (5) Technology Applications: Early Childhood-Grade 12.
- (6) Technology Applications: Grades 8-12.
- (7) Trade and Industrial Education: Grades 6-12. This assignment requires a bachelor's degree and appropriate work approval.
- (8) Trade and Industrial Education: Grades 8-12. This assignment requires a bachelor's degree and appropriate work approval.
- (9) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires a bachelor's degree and appropriate work approval.
- ~~(10)~~ ~~(9)~~ Any business or office education certificate.
- ~~(11)~~ ~~(10)~~ Business and Finance: Grades 6-12.
- ~~(12)~~ ~~(11)~~ Business Education: Grades 6-12.
- ~~(13)~~ ~~(12)~~ Marketing: Grades 6-12.
- ~~(14)~~ ~~(13)~~ Marketing Education: Grades 8-12.

**§231.593. Cybersecurity, Grades 9-12.**

An assignment for Foundations of Cybersecurity, Grades 9-12, and Cybersecurity Capstone is allowed with one of the following certificates.

- (1) Computer Science: Grades 8-12.
- (2) Grades 6-12 or Grades 9-12--Computer Information Systems.
- (3) Junior High School (Grades 9-10 only) or High School--Computer Information Systems.
- (4) Secondary Computer Information Systems (Grades 6-12).
- (5) Technology Applications: Early Childhood-Grade 12.
- (6) Technology Applications: Grades 8-12.
- (7) Technology Education: Grades 6-12.
- (8) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (9) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (10) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- ~~(11)~~ ~~(10)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

**Division 25. Transportation, Distribution, and Logistics, Grades 9-12 Assignments**

**§231.631. Transportation, Distribution, and Logistics, Grades 9-12.**

- (a) An assignment for Energy and Power of Transportation Systems; Aircraft Airframe Technology; Aircraft Powerplant Technology; Automotive Basics; Automotive Technology I: Maintenance and Light Repair; Automotive Technology II: Automotive Service; Advanced Transportation Systems Laboratory; Basic Collision Repair and Refinishing; Collision Repair; Paint and Refinishing; Diesel Equipment Technology I; Diesel Equipment Technology II; Distribution and Logistics; Introduction to Aircraft Technology; Principles of Distribution and Logistics; Principles of Transportation Systems; Introduction to Transportation Technology; or Management of Transportation Systems, Grades 9-12, is allowed with one of the following certificates.
- (1) Technology Education: Grades 6-12.
  - (2) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (3) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (4) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (5) ~~(4)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (b) Subject to the requirements in subsection (c) of this section, an assignment for Practicum in Transportation Systems, Extended Practicum in Transportation Systems, Practicum in Distribution and Logistics, or Extended Practicum in Distribution and Logistics, Grades 9-12, is allowed with one of the following certificates.
- (1) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
  - (2) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
  - (3) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
  - (4) ~~(3)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.
- (c) The school district is responsible for ensuring that each teacher assigned to Practicum in Transportation Systems, Extended Practicum in Transportation Systems, Practicum in Distribution and Logistics, or Extended Practicum in Distribution and Logistics, Grades 9-12, has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**§231.633. Small Engine Technology, Grades 9-12.**

An assignment for Small Engine Technology I or Small Engine Technology II, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Secondary Industrial Arts (Grades 6-12).
- (5) Secondary Industrial Technology (Grades 6-12).
- (6) Technology Education: Grades 6-12.
- (7) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (8) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (9) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (10) ~~(9)~~ Vocational Trades and Industry. This assignment requires appropriate work approval.

## Division 26. Energy, Grades 9-12 Assignments

### §231.651. Energy [~~and Natural Resources~~] , Grades 9-12.

An assignment for Oil and Gas Production I; Oil and Gas Production II; Oil and Gas Production III; Oil and Gas Production IV; Introduction to Process Technology; Foundations of Energy; or Petrochemical Safety, Health, and Environment, Grades 9-12, is allowed with one of the following certificates.

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- (5) Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- (6) Trade and Industrial Workforce Training: Grades 6-12. This assignment requires appropriate work approval.
- (7) [~~(6)~~] Vocational Trades and Industry. This assignment requires appropriate work approval.