

Item 12:**Consider and Take Appropriate Action on Proposed Revisions to 19 TAC Chapter 231, Requirements for Public School Personnel Assignments, Subchapter C, Grades 6-8 Assignments, and Subchapter E, Grades 9-12 Assignments****DISCUSSION AND ACTION**

SUMMARY: This item provides the State Board for Educator Certification (SBEC) an opportunity to discuss and propose revisions to 19 TAC Chapter 231, Requirements for Public School Personnel Assignments, Subchapter C, Grades 6-8 Assignments, and Subchapter E, Grades 9-12 Assignments. The proposed amendments to 19 TAC §§231.49, 231.65, 231.71, 231.73, 231.75, 231.77, 231.211, 231.213, 231.241, 231.573, and 231.591 and proposed new 19 TAC §§231.81, 231.193, 231.195, 231.395, 231.579, and 231.581 would clarify the appropriate credential for placement in a particular teaching assignment.

STATUTORY AUTHORITY: The statutory authority for 19 TAC Chapter 231, Subchapters C and E, is the Texas Education Code (TEC), §21.031(a) and §21.041(b)(1) and (2).

EFFECTIVE DATE: If approved for filing as proposed in June 2015 and if adopted, subject to State Board of Education (SBOE) review, at the August 2015 SBEC meeting, the proposed effective date of the proposed amendments to 19 TAC §§231.49, 231.65, 231.71, 231.73, 231.75, 231.77, 231.211, 231.213, 231.241, 231.573, and 231.591 and proposed new 19 TAC §§231.81, 231.193, 231.195, 231.395, 231.579, and 231.581 would be October 18, 2015 (20 days after filing as adopted with the *Texas Register*). The proposed effective date is also based on the SBEC and SBOE meeting schedules.

PREVIOUS BOARD ACTION: The SBEC adopted 19 TAC §§231.49, 231.65, 231.71, 231.73, 231.75, 231.77, 231.211, 231.213, 231.241, 231.573, and 231.591 effective August 15, 2013. Sections 231.75, 231.77, 231.211, 231.213, 231.241, 231.573, and 231.591 were amended effective December 29, 2014.

BACKGROUND INFORMATION AND SIGNIFICANT ISSUES: Current 19 TAC Chapter 231, Requirements for Public School Personnel Assignments, Subchapters C and E, provide guidance to school districts with regard to the certificates required for Grades 6-8 and Grades 9-12 assignments of public school educators for ease of use by school district personnel.

The proposed revisions to 19 TAC Chapter 231, Subchapters C and E, shown in Attachment II, would identify the appropriate certificates for placement in particular Grades 6-8 and Grades 9-12 classroom assignments.

Subchapter C. Grades 6-8 Assignments

Language in 19 TAC §231.49 and §231.65 would be amended to clarify some grade level assignments for Grades 7-12 and Grades 8-12 certificates. In addition, §231.65 would be amended to add the Life Science: Grades 7-12 certificate for the Science, Grades 7 and 8, assignment, to renumber the remaining paragraphs accordingly, and to remove the duplicate Science: Grades 8-12 certificate. Language in 19 TAC §§231.71, 231.73, and 231.75 would be amended to specify that there are three levels for Art, Music, and Theatre. Also, 19 TAC §231.77 would be amended to add the Technology Applications: Grades 7-12 certificate and the remaining paragraph would be renumbered accordingly.

Proposed new 19 TAC §231.81 would be added to address the expansion of the Texas essential knowledge and skills (TEKS) to include a Grades 6-8 assignment for Fine Arts: Dance, Middle School 1-3.

Subchapter E. Grades 9-12 Assignments

Proposed new 19 TAC §§231.193, 231.195, 231.395, 231.579, and 231.581 would be added to incorporate career and technical education (CTE) courses approved by the SBOE to satisfy mathematics or science credit. Language would be amended in 19 TAC §231.211 and §231.213 to add appropriate certificates for those assignments, and the remaining paragraphs would be renumbered accordingly. Also, language would be amended in 19 TAC §§231.241, 231.573, and 231.591 to clarify that an assignment for Theatre would include Musical Theatre, to remove a training requirement for a Principles of Technology, Grades 9-12, assignment, and to clarify a training requirement for the Practicum in Transportation, Distribution, and Logistics, Grades 9-12, assignment, respectively. These changes provide districts additional flexibility while ensuring educators assigned to teach these courses have the appropriate training in work-based safety and other topics. In addition, the title in Division 18 would be amended to *Hospitality and Tourism* to align with the TEKS for career and technical education.

FISCAL IMPACT: The Texas Education Agency staff has determined that there is no additional fiscal impact on state and local governments and there are no additional costs to persons or entities required to comply with the proposed rule actions. In addition, there is no direct adverse economic impact for small businesses and microbusinesses; therefore, no regulatory flexibility analysis, specified in Texas Government Code, §2006.002, is required.

PUBLIC AND STUDENT BENEFIT: The public and student benefit anticipated as a result of the proposed rule actions would be updated requirements relating to the assignment of educators in Texas public schools.

PROCEDURAL AND REPORTING IMPLICATIONS: The proposed rule actions would have no procedural and reporting implications.

LOCALLY MAINTAINED PAPERWORK REQUIREMENTS: The proposed rule actions would have no locally maintained paperwork requirements.

PUBLIC COMMENTS: The public comment period on the proposal begins July 3, 2015, and ends August 3, 2015. The SBEC will take registered oral and written comments on this item at the August 7, 2015 meeting in accordance with the SBEC board operating policies and procedures.

ALTERNATIVES: None.

OTHER COMMENTS AND RELATED ISSUES: None.

ASSOCIATE COMMISSIONER'S RECOMMENDATION: I recommend that the State Board for Educator Certification:

Approve the proposed revisions to 19 TAC Chapter 231, Requirements for Public School Personnel Assignments, Subchapter C, Grades 6-8 Assignments, and Subchapter E, Grades 9-12 Assignments, to be published as proposed with the *Texas Register*.

Staff Member Responsible: Marilyn Cook, Director
Educator Certification

Attachments:

- I. Statutory Citations
- II. Text of Proposed Revisions to 19 TAC Chapter 231, Requirements for Public School Personnel Assignments, Subchapter C, Grades 6-8 Assignments, and Subchapter E, Grades 9-12 Assignments

ATTACHMENT I

**Statutory Citations Relating to Proposed Revisions to
19 TAC Chapter 231, Requirements for Public School Personnel Assignments,
Subchapter C, Grades 6-8 Assignments, and Subchapter E, Grades 9-12 Assignments****Texas Education Code, §21.031, Purpose (excerpt):**

- (a) The State Board for Educator Certification is established to recognize public school educators as professionals and to grant educators the authority to govern the standards of their profession. The board shall regulate and oversee all aspects of the certification, continuing education, and standards of conduct of public school educators.

Texas Education Code, §21.041, Rules; Fees (excerpt):

- (b) The board shall propose rules that:
- (1) provide for the regulation of educators and the general administration of this subchapter in a manner consistent with this subchapter;
 - (2) specify the classes of educator certificates to be issued, including emergency certificates;

ATTACHMENT II
Text of Proposed Revisions to 19 TAC

Chapter 231. Requirements for Public School Personnel Assignments

Subchapter C. Grades 6-8 Assignments

§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: Grades 4-8.
- (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.
- (6) Elementary Reading (Grades 1-8).
- (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.
- (8) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (9) English as a Second Language Generalist: Grades 4-8.
- (10) English Language Arts and Reading: Grades 4-8.
- (11) English Language Arts and Reading: Grades 7-12 (Grades 7 and 8 ~~Grade 7~~ only).
- (12) English Language Arts and Reading: Grades 8-12 (Grade 8 only).
- (13) English Language Arts and Reading/Social Studies: Grades 4-8.
- (14) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (15) Generalist: Grades 4-8.
- (16) Junior High School or High School--English.
- (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.
- (18) Junior High School or High School--Reading.
- (19) Master Reading Teacher (Early Childhood-Grade 12).
- (20) Reading Specialist.
- (21) Reading Specialist (Early Childhood-Grade 12).
- (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.
- (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.
 - (24) Secondary Reading (Grades 6-8).
 - (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.
 - (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.
 - (27) Secondary Reading (Grades 6-12).
 - (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.

§231.65. 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) Elementary Biology.
- (6) Elementary Chemistry.
- (7) Elementary Earth Science.
- (8) Elementary Life/Earth Middle-School Science.
- (9) Elementary Physical Science.
- (10) Elementary Physics.
- (11) Elementary Biology (Grades 1-8).
- (12) Elementary Chemistry (Grades 1-8).
- (13) Elementary Earth Science (Grades 1-8).
- (14) Elementary Life/Earth Middle-School Science (Grades 1-8).
- (15) Elementary Physical Science (Grades 1-8).
- (16) Elementary Physics (Grades 1-8).
- (17) Elementary teacher certificate plus 18 semester credit hours in any combination of sciences.
- (18) English as a Second Language Generalist: Grades 4-8.
- (19) Generalist: Grades 4-8.

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- (20) Grades 6-12 or Grades 6-8--Biology.
- (21) Grades 6-12 or Grades 6-8--Chemistry.
- (22) Grades 6-12 or Grades 6-8--Earth Science.
- (23) Grades 6-12 or Grades 6-8--Life/Earth Middle-School Science.
- (24) Grades 6-12 or Grades 6-8--Physical Science.
- (25) Grades 6-12 or Grades 6-8--Physics.
- (26) Grades 6-12 or Grades 6-8--Science.
- (27) Grades 6-12 or Grades 6-8--Science, Composite.
- (28) Junior High School or High School--Biology.
- (29) Junior High School or High School--Chemistry.
- (30) Junior High School or High School--Earth Science.
- (31) Junior High School or High School--Life/Earth Middle-School Science.
- (32) Junior High School or High School--Physical Science.
- (33) Junior High School or High School--Physics.
- (34) Junior High School or High School--Science.
- (35) Junior High School or High School--Science, Composite.
- (36) Life Science: Grades 7-12.
- (37) ~~(36)~~ Life Science: Grades 8-12 (Grade 8 only).
- (38) ~~(37)~~ Master Science Teacher (Grades 4-8).
- (39) ~~(38)~~ Master Science Teacher (Grades 8-12) (Grade 8 only).
- (40) ~~(39)~~ Mathematics/Physical Science/Engineering: Grades 6-12.
- (41) ~~(40)~~ Mathematics/Physical Science/Engineering: Grades 8-12 (Grade 8 only).
- (42) ~~(41)~~ Mathematics/Science: Grades 4-8.
- (43) ~~(42)~~ Physical Science: Grades 6-12.
- (44) ~~(43)~~ Physical Science: Grades 8-12 (Grade 8 only).
- (45) ~~(44)~~ Physics/Mathematics: Grades 7-12.
- (46) ~~(45)~~ Physics/Mathematics: Grades 8-12 (Grade 8 only).
- ~~(46) Science: Grades 8-12 (Grade 8 only):~~
- (47) Science: Grades 4-8.
- (48) Science: Grades 7-12.
- (49) Science: Grades 8-12 (Grade 8 only) .
- (50) Secondary Biology (Grades 6-12).
- (51) Secondary Chemistry (Grades 6-12).
- (52) Secondary Earth Science (Grades 6-12).
- (53) Secondary Life/Earth Science (Grades 6-12).
- (54) Secondary Physical Science (Grades 6-12).
- (55) Secondary Physics (Grades 6-12).

- (56) Secondary Science (Grades 6-12).
- (57) Secondary Science, Composite (Grades 6-12).
- (58) Secondary or all-level teacher certificate plus 18 semester credit hours in any combination of sciences.

§231.71. Art, Middle School 1-3 [~~Grades 6-8~~].

An assignment in a departmentalized classroom for Art, Middle School 1-3 [~~Grades 6-8~~], 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) Elementary Art (Grades 1-8).
- (6) Elementary teacher certificate plus 18 semester credit hours in art.
- (7) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (8) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (9) Grades 6-12 or Grades 6-8--Art.
- (10) Junior High School or High School--Art.
- (11) Secondary Art (Grades 6-12).
- (12) Secondary or all-level teacher certificate plus 18 semester credit hours in art.

§231.73. Music, Middle School 1-3 [~~Grades 6-8~~].

An assignment in a departmentalized classroom for Music, Middle School 1-3 [~~Grades 6-8~~], 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) Elementary Music.
- (5) Elementary Music (Grades 1-8).
- (6) Elementary teacher certificate plus 18 semester credit hours in music.
- (7) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (8) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (9) Grades 6-12 or Grades 6-8--Music.
- (10) Junior High School or High School--Music.
- (11) Music: Early Childhood-Grade 12.
- (12) Secondary Music (Grades 6-12).
- (13) Secondary or all-level teacher certificate plus 18 semester credit hours in music.

§231.75. Theatre, Middle School 1-3 [~~Grades 6-8~~].

An assignment in a departmentalized classroom for Theatre, Middle School 1-3 [~~Grades 6-8~~], is allowed with one of the following certificates.

- (1) All-Level Speech and Drama.
- (2) All-Level Speech Communications/Theatre Arts (Prekindergarten-Grade 12).
- (3) Elementary Drama.
- (4) Elementary Theatre Arts (Grades 1-8).
- (5) Elementary teacher certificate plus 18 semester credit hours in theatre arts/drama.
- (6) Grades 6-12 or Grades 6-8--Theatre Arts.
- (7) Junior High School or High School--Drama.
- (8) Junior High School or High School--Speech and Drama.
- (9) Secondary Theatre Arts (Grades 6-12).
- (10) Secondary or all-level teacher certificate plus 18 semester credit hours in theatre arts/drama.
- (11) Theatre: Early Childhood-Grade 12.

§231.77. Technology Applications, Grades 6-8.

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

- (1) Elementary teacher certificate plus verification of competency to teach computer literacy.
- (2) Grades 6-12 or Grades 6-8--Computer Information Systems.
- (3) Information Processing Technologies Endorsement (Level I or II).
- (4) Junior High School or High School--Computer Information Systems.
- (5) Secondary Computer Information Systems (Grades 6-12).
- (6) Secondary teacher certificate plus verification of competency to teach computer literacy.
- (7) Technology Applications: Early Childhood-Grade 12.
- (8) Technology Applications: Grades 7-12.
- (9) [~~(8)~~] Technology Applications: Grades 8-12 (Grade 8 only).

§231.81. Dance, Middle School 1-3.

An assignment in a departmentalized classroom for Dance, Middle School 1-3, is allowed with the Dance: Grades 8-12 certificate.

Subchapter E. Grades 9-12 Assignments**Division 4. Mathematics, Grades 9-12 Assignments****§231.193. Algebraic Reasoning, Grades 9-12.**

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

- (1) Grades 6-12 or Grades 9-12--Mathematics.
- (2) Junior High School (Grades 9-10 only) or High School--Mathematics.
- (3) Junior High School (Grades 9-10 only) or High School--Mathematical Science, Composite.
- (4) Master Mathematics Teacher (Grades 8-12).
- (5) Mathematics: Grades 7-12.
- (6) Mathematics: Grades 8-12.
- (7) Mathematics/Physical Science/Engineering: Grades 6-12.
- (8) Mathematics/Physical Science/Engineering: Grades 8-12.
- (9) Physics/Mathematics: Grades 7-12.
- (10) Physics/Mathematics: Grades 8-12.
- (11) Secondary Mathematics (Grades 6-12).

§231.195. Statistics, Grades 9-12.

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

- (1) Grades 6-12 or Grades 9-12--Mathematics.
- (2) Junior High School (Grades 9-10 only) or High School--Mathematics.
- (3) Junior High School (Grades 9-10 only) or High School--Mathematical Science, Composite.
- (4) Master Mathematics Teacher (Grades 8-12).
- (5) Mathematics: Grades 7-12.
- (6) Mathematics: Grades 8-12.
- (7) Mathematics/Physical Science/Engineering: Grades 6-12.
- (8) Mathematics/Physical Science/Engineering: Grades 8-12.
- (9) Physics/Mathematics: Grades 7-12.
- (10) Physics/Mathematics: Grades 8-12.
- (11) Secondary Mathematics (Grades 6-12).

Division 5. Science, Grades 9-12 Assignments**§231.211. Astronomy, Grades 9-12.**

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

- (1) Grades 6-12 or Grades 9-12--Earth Science.
- (2) Grades 6-12 or Grades 9-12--Science.
- (3) Grades 6-12 or Grades 9-12--Science, Composite.

- (4) Junior High School (Grades 9-10 only) or High School--Earth Science.
- (5) Junior High School (Grades 9-10 only) or High School--Science.
- (6) Junior High School (Grades 9-10 only) or High School--Science, Composite.
- (7) Master Science Teacher (Grades 8-12).
- (8) Mathematics/Physical Science/Engineering: Grades 6-12.
- (9) Mathematics/Physical Science/Engineering: Grades 8-12.
- (10) ~~(8)~~ Physical Science: Grades 6-12.
- (11) ~~(9)~~ Physical Science: Grades 8-12.
- (12) ~~(10)~~ Physics/Mathematics: Grades 7-12.
- (13) ~~(11)~~ Physics/Mathematics: Grades 8-12.
- (14) ~~(12)~~ Science: Grades 7-12.
- (15) ~~(13)~~ Science: Grades 8-12.
- (16) ~~(14)~~ Secondary Earth Science (Grades 6-12).
- (17) ~~(15)~~ Secondary Physics (Grades 6-12).
- (18) ~~(16)~~ Secondary Science (Grades 6-12).
- (19) ~~(17)~~ Secondary Science, Composite (Grades 6-12).

§231.213. Earth and Space Science, Grades 9-12.

An assignment for Earth and Space Science, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Earth Science.
- (2) Grades 6-12 or Grades 9-12--Science.
- (3) Grades 6-12 or Grades 9-12--Science, Composite.
- (4) Junior High School (Grades 9-10 only) or High School--Earth Science.
- (5) Junior High School (Grades 9-10 only) or High School--Science.
- (6) Junior High School (Grades 9-10 only) or High School--Science, Composite.
- (7) Master Science Teacher (Grades 8-12).
- (8) Mathematics/Physical Science/Engineering: Grades 6-12.
- (9) Mathematics/Physical Science/Engineering: Grades 8-12.
- (10) Physical Science: Grades 6-12.
- (11) Physical Science: Grades 8-12.
- (12) ~~(8)~~ Science: Grades 7-12.
- (13) ~~(9)~~ Science: Grades 8-12.
- (14) ~~(10)~~ Secondary Earth Science (Grades 6-12).
- (15) ~~(11)~~ Secondary Science (Grades 6-12).
- (16) ~~(12)~~ Secondary Science, Composite (Grades 6-12).

Division 7. Fine Arts, Grades 9-12 Assignments**§231.241. Art, Music, Theatre, and Dance, Grades 9-12.**

- (a) An assignment for Art, Grades 9-12, is allowed with one of the following certificates.
- (1) All-Level Art.
 - (2) Art: Early Childhood-Grade 12.
 - (3) Grades 6-12 or Grades 9-12--Art.
 - (4) Junior High School (Grades 9-10 only) or High School--Art.
 - (5) Secondary Art (Grades 6-12).
- (b) An assignment for Music, Grades 9-12, is allowed with one of the following certificates.
- (1) All-Level Music.
 - (2) Grades 6-12 or Grades 9-12--Music.
 - (3) Junior High School (Grades 9-10 only) or High School--Music.
 - (4) Music: Early Childhood-Grade 12.
 - (5) Secondary Music (Grades 6-12).
- (c) An assignment for Theatre, including Musical Theatre, Grades 9-12, is allowed with one of the following certificates.
- (1) All-Level Speech/Drama.
 - (2) All-Level Speech Communications/Theatre Arts (Prekindergarten-Grade 12).
 - (3) All-Level Theatre Arts (Prekindergarten-Grade 12).
 - (4) Grades 6-12 or Grades 9-12--Theatre Arts.
 - (5) Junior High School (Grades 9-10 only) or High School--Drama.
 - (6) Junior High School (Grades 9-10 only) or High School--Speech and Drama.
 - (7) Secondary Theatre Arts (Grades 6-12).
 - (8) Theatre: Early Childhood-Grade 12.
- (d) An assignment for Dance for Fine Arts credit, Grades 9-12, is allowed with one of the following certificates.
- (1) Dance: Grades 8-12.
 - (2) Grades 6-12 or Grades 9-12--Dance.
 - (3) Junior High School (Grades 9-10 only) or High School--Dance.
 - (4) Secondary Dance (Grades 6-12).

Division 15. Finance, Grades 9-12 Assignments**§231.395. Financial Mathematics, Grades 9-12.**

An assignment for Financial Mathematics, 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) Master Mathematics Teacher (Grades 8-12).
- (5) Mathematics: Grades 7-12.
- (6) Mathematics: Grades 8-12.
- (7) Mathematics/Physical Science/Engineering: Grades 6-12.
- (8) Mathematics/Physical Science/Engineering: Grades 8-12.
- (9) Physics/Mathematics: Grades 7-12.
- (10) Physics/Mathematics: Grades 8-12.
- (11) Secondary Mathematics (Grades 6-12).

Division 18. Hospitality and Tourism [Administration] , Grades 9-12 Assignments

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

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

- (a) An [Subject to the requirements in subsection (c) of this section, an] assignment for Principles of Technology, Grades 9-12, is allowed with one of the following certificates.
- (1) 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.
 - (11) Secondary Industrial Arts (Grades 6-12).
 - (12) Secondary Industrial Technology (Grades 6-12).
 - (13) Secondary Physics (Grades 6-12).
 - (14) Secondary Science, Composite (Grades 6-12).
 - (15) Technology Education: Grades 6-12.
- (b) An [Subject to the requirements in subsection (c) of this section, 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.
- ~~[(c) —All teachers assigned to Principles of Technology shall participate in Texas Education Agency approved training and have eight semester credit hours in physics prior to teaching this course.]~~

§231.579. Principles of Engineering, Grades 9-12.

- (a) Subject to the requirements in subsection (b) of this section, an assignment for Principles of Engineering, Grades 9-12, is allowed with one of the following certificates.
- (1) 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.
 - (11) Secondary Industrial Arts (Grades 6-12).
 - (12) Secondary Industrial Technology (Grades 6-12).
 - (13) Secondary Physics (Grades 6-12).
 - (14) Secondary Science (Grades 6-12).
 - (15) Secondary Science, Composite (Grades 6-12).
 - (16) Technology Education: Grades 6-12.
- (b) All teachers assigned to Principles of Engineering shall participate in Texas Education Agency-approved training and have eight semester credit hours in physics prior to teaching this course.

§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) 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.
 - (7) Secondary Industrial Arts (Grades 6-12).
 - (8) Secondary Industrial Technology (Grades 6-12).
 - (9) Secondary Mathematics (Grades 6-12).
 - (10) Technology Education: Grades 6-12.
- (b) All teachers assigned to Digital Electronics shall participate in Texas Education Agency-approved training prior to teaching this course.

Division 25. Transportation, Distribution, and Logistics, Grades 9-12 Assignments**§231.591. Transportation, Distribution, and Logistics, Grades 9-12.**

- (a) An assignment for Energy, Power, and Transportation Systems; Logistics, Planning, and Management Systems; Principles of Transportation, Distribution, and Logistics; or Transportation Systems Management, 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) 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, Distribution, and Logistics, 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) 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, Distribution, and Logistics, Grades 9-12, has completed appropriate training in the content for this course [~~state and federal requirements regarding work based learning and safety~~] .