

Text of Proposed Revisions to 19 TAC

Chapter 231. Requirements for Public School Personnel Assignments

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] .