

# TEACHER ASSIGNMENT CHART

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**ASSIGNMENT OF PUBLIC SCHOOL PERSONNEL**

**PART I**

**REQUIREMENTS FOR ASSIGNMENT OF TEACHERS**

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**PREKINDERGARTEN-GRADE 6**

ASSIGNMENTS	CERTIFICATES
<p>Prekindergarten (PK) General Education</p>	<p>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.</p> <p>Bilingual Generalist:                      Early Childhood-Grade 4                      Early Childhood-Grade 6</p> <p>Core Subjects: Early Childhood-Grade 6.</p> <p>Early Childhood Education:                      Grades PK-K</p> <p>Elementary:                      General (See Notes A and B)                      Grades 1-6—General (See Notes A and B)                      Grades 1-8—General (See Notes A and B)                      Grades PK-6—Early Childhood Education                      Self-Contained Grades 1-8 (See Notes A and B)</p> <p>English as a Second Language Generalist:                      Early Childhood-Grade 4                      Early Childhood-Grade 6</p> <p>Generalist:                      Early Childhood-Grade 4                      Early Childhood-Grade 6</p> <p>Grades Prekindergarten-Grade 5                      Grades Prekindergarten-Grade 6                      Kindergarten</p> <p>Master Mathematics Teacher (Early Childhood-Grade 4) (mathematics only)                      Master Reading Teacher (Early Childhood-Grade 12) (reading only)                      Master Science Teacher (Early Childhood-Grade 4) (science only)                      Teacher of Young Children—General</p>

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**PREKINDERGARTEN-GRADE 6**

ASSIGNMENTS	CERTIFICATES
<p>Prekindergarten (PK) Bilingual</p>	<p>Bilingual Generalist:                      Early Childhood-Grade 4                      Early Childhood-Grade 6                      A valid classroom teaching certificate appropriate for the grade level and subject areas taught plus any bilingual education certificate or endorsement.                      Early Childhood Education (Grades PK-K) (See Notes D and F)                      Elementary:                      General (See Notes A, C, and F)                      Grades 1-6 (See Notes A, C, and F)                      Grades 1-8 (See Notes A, C, and F)                      Grades PK-6 Early Childhood Education(See Notes D and F)                      Self-Contained, Grades 1-8(See Notes A and B)                      Elementary teacher certification with Bilingual Endorsement (See Notes A and B)                      Grades PK-5—General (See Notes D and F)                      Grades PK-6:                      General (See Notes D and F)                      Bilingual/ESL                      Grades PK-12 Bilingual/ESL                      Kindergarten (See Notes D and F)                      Teacher of Young Children—General (See Notes D and F)</p>
<p>An assignment for the English component only of a dual language immersion/one-way or two-way bilingual education program model for Prekindergarten 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.</p>	

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**PREKINDERGARTEN-GRADE 6**

ASSIGNMENTS	CERTIFICATES
<p>Prekindergarten English as a Second Language (ESL)</p>	<p>Bilingual Generalist:                      Early Childhood-Grade 4                      Early Childhood-Grade 6                      Certificate in the subject and at the grade level plus:                      Bilingual Education Supplemental                      Bilingual Education Supplemental EC-4                      Bilingual Education Supplemental 4-8                      Bilingual Endorsement                      Bilingual/ESL Endorsement                      English as a Second Language Endorsement                      English as a Second Language Supplemental                      Early Childhood Education Grades PK-K (See Note E)                      Elementary:                      General (See Notes A, B, and E)                      Grades 1-6 General (See Notes A, B, and E)                      Grades 1-8 General (See Notes A, B, and E)                      Self-Contained: Grades 1-8 (See Notes A and B)                      Grades PK-6—Early Childhood Education (See Note E)                      Elementary teacher certificate with Bilingual or ESL Endorsement (See Notes A and B)                      English as a Second Language Generalist:                      Early Childhood-Grade 4                      Early Childhood-Grade 6                      Grades PK-5—General (See Note E)                      Grades PK-6:                      General (See Note E)                      Bilingual/ESL                      Grades PK-12:                      Bilingual/ESL                      English as a Second Language                      Kindergarten (See Note E)                      Teacher of Young Children—General (See Note E)</p>

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<b>State Board for Educator Certification</b>		<b>19 TAC Chapter 231</b>
<b>PREKINDERGARTEN-GRADE 6</b>		
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>	
<p>NOTES:</p> <p>(A) Teachers assigned prior to the 1991-92 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.</p> <p>(B) Initial assignments beginning with the 1991-92 school year require the early childhood education delivery system or endorsement.</p> <p>(C) Initial assignments beginning with the 1991-92 school year require the early childhood education delivery system or endorsement and the bilingual education delivery system or endorsement.</p> <p>(D) Initial assignments beginning with the 1991-92 school year require the bilingual education delivery system or endorsement.</p> <p>(E) Initial assignments beginning with the 1991-92 school year require the ESL endorsement or the bilingual education delivery system or endorsement.</p> <p>(F) Teachers assigned prior to the 1991-92 school year are required to verify oral and written proficiency in the language of the target population as measured by examinations approved by the Texas Education Agency by September 1, 1993, to be eligible for assignment.</p>		

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**PREKINDERGARTEN-GRADE 6**

ASSIGNMENTS	CERTIFICATES
<p>Kindergarten (K)</p>	<p>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.</p> <p>Bilingual Generalist:                      Early Childhood-Grade 4                      Early Childhood-Grade 6</p> <p>Core Subjects: Early Childhood-Grade 6                      Early Childhood Education (Grades PK-K)                      Elementary (Grades PK-6)—Early Childhood Education</p> <p>English as a Second Language Generalist:                      Early Childhood Grade 4                      Early Childhood-Grade 6</p> <p>Generalist:                      Early Childhood-Grade 4                      Early Childhood-Grade 6</p> <p>Grades PK-5—General                      Grades PK-6—General                      Kindergarten                      Master Mathematics Teacher (Early Childhood-Grade 4) (mathematics only)                      Master Reading Teacher (Early Childhood-Grade 12) (reading only)                      Master Science Teacher (Early Childhood-Grade 4) (science only)                      Teacher of Young Children—General</p>
<p>Bilingual, Kindergarten-Grade 6</p>	<p>Bilingual Generalist:                      Early Childhood-Grade 4 (Kindergarten-Grade 4 only)                      Early Childhood-Grade 6                      Grades 4-8 (Grades 4-6 only)</p> <p>A valid classroom teaching certificate appropriate for the grade level and subject areas taught plus any bilingual education certificate or endorsement.                      Grades PK-5—Bilingual/ESL (Grades PK-5 only)                      Grades PK-6—Bilingual/ESL                      Grades PK-12—Bilingual/ESL</p>
<p>An assignment for the English component only of a dual language immersion/one-way or two-way bilingual education program model for 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.</p>	

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**PREKINDERGARTEN-GRADE 6**

ASSIGNMENTS	CERTIFICATES
<p>English as a Second Language (ESL) ,                      Kindergarten-Grade 6                      (Continued on next page)</p>	<p>An elementary certified teacher with an English as a Second Language (ESL) supplemental certificate or endorsement or bilingual education supplemental certificate or endorsement may be assigned to teach ESL at the kindergarten level.</p> <p>A valid classroom teaching certificate appropriate for the grade level and subject areas taught plus</p> <ul style="list-style-type: none"> <li>Bilingual Education Supplemental</li> <li>Bilingual Education Supplemental (Early Childhood-Grade 4)</li> <li>Bilingual Education Supplemental (Grades 4-8)</li> <li>Bilingual Endorsement</li> <li>Bilingual/English as a Second Language Endorsement</li> <li>English as a Second Language Endorsement.</li> <li>English as a Second Language Supplemental.</li> </ul> <p>Bilingual Generalist:</p> <ul style="list-style-type: none"> <li>Early Childhood-Grade 4 (Kindergarten-Grade 4 only)</li> <li>Early Childhood-Grade 6</li> <li>Grades 4-8 (Grades 4-6 only)</li> </ul> <p>English as a Second Language Generalist:</p> <ul style="list-style-type: none"> <li>Early Childhood-Grade 4 (Kindergarten-Grade 4 only)</li> <li>Grades 4-8 (Grades 4-6 only)</li> <li>Early Childhood-Grade 6</li> </ul> <p>Grades PK-5—Bilingual/ESL (for Grades PK-5 only)</p> <p>Grades PK-6—Bilingual ESL</p> <p>Grades PK-12:</p> <ul style="list-style-type: none"> <li>English as a Second Language</li> <li>Bilingual/ESL</li> </ul> <p>Teacher certificate appropriate for grade level of assignment and assigned to teach English as a Second Language (ESL) in an approved ESL program during the 1981-82 school year in the same school district.</p>

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**PREKINDERGARTEN-GRADE 6**

ASSIGNMENTS	CERTIFICATES
Elementary, Grades 1-6	Bilingual Generalist: Early Childhood-Grade 4 (Grades 1-4 only) Early Childhood-Grade 6 Grades 4-8 (Grades 4-6 only) Core Subjects: Early Childhood-6 Grades 4-8 (Grades 4-6 only) Elementary: General Grades 1-6 Grades 1-8 Grades PK-6--Early Childhood Education Self-Contained Grades 1-8 English as a Second Language Generalist: Early Childhood-Grade 4 (Grades 1-4 only) Early Childhood-Grade 6 Grades 4-8 (Grades 4-6 only) Generalist: Early Childhood-Grade 4 (Grades 1-4 only) Early Childhood-Grade 6 Grades 4-8 (Grades 4-6 only) Grades PK-5—General (Grades 1-5 only) Grades PK-6--General Master Mathematics Teacher Early Childhood-Grade 4 (Mathematics in Grades 1-4 only) Grades 4-8 (Mathematics in Grades 4-6 only) Master Reading Teacher (Early Childhood-Grade 12) (Reading in Grades 1-6 only) Master Science Teacher Early Childhood-Grade 4 (Science in Grades 1-4 only) Grades 4-8 (science in Grades 4-6 only) Teacher of Young Children—General (Grades 1-3 only)

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**PREKINDERGARTEN-GRADE 6**

ASSIGNMENTS	CERTIFICATES
<p>Reading, Grades 1-6</p>	<p>A teacher certificate that matches the subject and grade level of the assignment (PK-6)                      An elementary teacher certificate appropriate for Grades 1-6 assignment                      Bilingual Generalist:                          Early Childhood-Grade 4 (Grades 1-4 only)                          Early Childhood-Grade 6                          Grades 4-8 (Grades 4-6 only)                      Core Subjects:                          Early Childhood-Grade 6                          Grades 4-8 (Grades 4-6 only)                      English as a Second Language Generalist:                          Early Childhood-Grade 4 (Grades 1-4 only)                          Early Childhood-Grade 6                          Grades 4-8 (Grades 4-6 only)                      English Language Arts and Reading: Grades 4-8 (Grades 4-6 only)                      English Language Arts and Reading/Social Studies: Grades 4-8 (Grades 4-6 only)                      Generalist:                          Early Childhood-Grade 4 (Grades 1-4 only)                          Early Childhood-Grade 6                          Grades 4-8 (Grades 4-6 only)                      Master Reading Teacher: Early Childhood-Grade 12                      Reading Specialist                      Reading Specialist: Early Childhood-Grade 12</p>
<p>Languages Other Than English, Grades 1-6</p>	<p>A teacher certificate that matches the subject and grade level of the assignment (1-6)                      Languages Other Than English (LOTE) certificate in the appropriate language (Early Childhood-Grade 12)                      Secondary teacher certificate with a teaching field in the language of assignment plus six semester credit hours of elementary education</p>

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**PREKINDERGARTEN-GRADE 6**

ASSIGNMENTS	CERTIFICATES
<p>Art, Grades PK-6</p>	<p>A teacher certificate that matches the subject and grade level of the assignment (PK-6)                      All-Level or Grades PK-12:                          Art                      Art: Early Childhood-Grade 12                      Bilingual Generalist:                          Early Childhood-Grade 4 (Early Childhood-Grade 4 only)                          Early Childhood-Grade 6                      Core Subjects: Early Childhood-Grade 6                      Early Childhood Education (Grades Prekindergarten and Kindergarten only)                      English as a Second Language Generalist                          Early Childhood-Grade 4 (Early Childhood-Grade 4 only)                          Early Childhood-Grade 6                      Generalist                          Early Childhood-Grade 4 (Early Childhood-Grade 4 only)                          Early Childhood-Grade 6</p>
<p>Music, Grades PK-6</p>	<p>A teacher certificate that matches the subject and grade level of the assignment (PK-6)                      All-Level or Grades PK-12:                          Music                      Bilingual Generalist                          Early Childhood-Grade 4 (Early Childhood-Grade 4 only)                          Early Childhood-Grade 6                      Core Subjects: Early Childhood-Grade 6                      Early Childhood Education (Grades Prekindergarten and Kindergarten only)                      English as a Second Language Generalist:                          Early Childhood-Grade 4 (Early Childhood-Grade 4 only)                          Early Childhood-Grade 6                      Generalist:                          Early Childhood-Grade 4 (Early Childhood-Grade 4 only)                          Early Childhood-Grade 6                      Music: Early Childhood-Grade 12</p>

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**PREKINDERGARTEN-GRADE 6**

ASSIGNMENTS	CERTIFICATES
Theatre PK-6	All-Level: Speech and Drama Speech Communications/Theatre Arts Theatre Arts An elementary teacher certificate appropriate for Grades PK-6 assignment Early Childhood Education (Grades Prekindergarten and Kindergarten only) Theatre: Early Childhood-Grade 12
Physical Education PK-6	A teacher certificate that matches the subject and grade level of the assignment (PK-6) All-Level: Physical Education Health and Physical Education An elementary teacher certificate appropriate for Grades PK-6 assignment Bilingual Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only) Early Childhood-Grade 6 Core Subjects: Early Childhood-Grade 6 Early Childhood Education (Grades Prekindergarten and Kindergarten only) English as a Second Language Generalist: Early Childhood-Grade 4 (Early Childhood-Grade 4 only) Early Childhood-Grade 6 Generalist Early Childhood-Grade 4 (Early Childhood-Grade 4 only) Early Childhood-Grade 6 Physical Education: Early Childhood-Grade 12
Technology Applications	A teacher certificate that matches the subject and grade level of the assignment (PK-6), plus verification of competency to teach Technology Applications Technology Applications EC-12

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**MIDDLE SCHOOL-GRADES 6-8  
GRADES 6-8 (SELF-CONTAINED)**

ASSIGNMENTS	CERTIFICATE
<p>All General Subjects in Grades 6-8 (Self-contained)</p>	<p>Bilingual Generalist:                      Early Childhood-Grade 6 (Grade 6 only)                      Grades 4-8 (English language arts, mathematics, science, and social studies only)</p> <p>Core Subjects:                      Early Childhood-Grade 6 (Grade 6 only)                      Grades 4-8 (English language arts, mathematics, science, and social studies only)</p> <p>Elementary:                      General                      Grades 1-6—General (Grade 6 only)                      Grades 1-8—General                      Grades PK-6—Early Childhood Education (Grade 6 only)                      Self-Contained (Grades 1-8)</p> <p>English as a Second Language Generalist:                      Early Childhood-Grade 6 (Grade 6 only)                      Grades 4-8 (English language arts, mathematics, science, and social studies only)</p> <p>Generalist:                      Early Childhood-Grade 6 (Grade 6 only)                      Grades 4-8 (English language arts, mathematics, science, and social studies only)                      Grades PK-6—General (Grade 6 only)</p>

NOTE: Self-contained is defined as a class in which one teacher teaches all or most subjects to one class of students.

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL-LEVEL CERTIFICATE
All General Subjects in Grade 6	Any elementary teacher certificate appropriate for Grade 6 Bilingual Generalist: Early Childhood-Grade 6 Grades 4-8 (English language arts, mathematics, science, and social studies only) Core Subjects: Early Childhood-Grade 6 Grades 4-8 (English, language arts, mathematics, science, and social studies only) English as a Second Language Generalist: Early Childhood-Grade 6 Grades 4-8 (English, language arts, mathematics, science, and social studies only) Generalist: Early Childhood-Grade 6 Grades 4-8 (English language arts, mathematics, science, and social studies only)	Requirements for a 6th grade assignment for a holder of a Secondary or All-Level certificate are the same as those listed in departmentalized assignments below.
ENGLISH LANGUAGE ARTS English Language Arts (Continued on next page)	Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8 Core Subjects: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8 Elementary, Grades 1-8—English Elementary teacher certificate plus 18 semester credit hours in English English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8	Junior High School, High School, Secondary, Grades 6-12 or Grades 6-8: English English Language Arts, Composite English Language Arts and Reading: Grades 7-12 (Grades 7 and 8) Grades 8-12 (Grade 8 only) Secondary or All-Level teacher certificate plus 18 semester credit hours in English

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL-LEVEL CERTIFICATE
<p>English Language Arts (Continued)</p>	<p>English Language Arts and Reading: Grades 4-8 English Language Arts and Reading/Social Studies: Grades 4-8 Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8</p>	
<p>English as a Second Language (ESL) English Learners Language Arts (Grade 7 and 8)</p>	<p>Valid classroom teaching certificate appropriate for the grade level and subject areas, plus: Bilingual Education Supplemental Bilingual Education Supplemental EC-4 Bilingual Education Supplemental 4-8 Bilingual Endorsement Bilingual/ESL Endorsement ESL Endorsement ESL Supplemental</p> <p>Or one of the following: Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8 Elementary: Grades 1-8—Bilingual/ESL Elementary teacher certificate and assigned to teach English as a Second Language (ESL) in an approved ESL program during 1981-82 school year in the same school district. Elementary—Bilingual English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8 Grades PK-6—Bilingual/ESL (Grade 6 only)</p>	<p>Valid classroom teaching certificate appropriate for the grade level and subject areas, plus: Bilingual Education Supplemental Bilingual Education Supplemental EC-4 Bilingual Education Supplemental 4-8 Bilingual Endorsement Bilingual/ESL Endorsement ESL Endorsement ESL Supplemental</p> <p>Or one of the following: Junior High School, High School, Secondary, Grades 6-12: Bilingual/ESL</p>

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL-LEVEL CERTIFICATE
<p>Reading (At or above grade level)</p>	<p>Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8</p> <p>Core Subjects: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8</p> <p>Elementary, Grades 1-8: English<sup>1</sup> Reading</p> <p>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</p> <p>English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8</p> <p>English Language Arts and Reading: Grades 4-8</p> <p>English Language Arts and Reading/Social Studies: Grades 4-8</p> <p>Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8</p>	<p>English Language Arts and Reading: Grades 7-12 (Grade 7 and 8 only) Grades 8-12 (Grade 8 only)</p> <p>Junior High School or High School, English English Language Arts, Composite<sup>2</sup> Reading</p> <p>Master Reading Teacher (Early Childhood-Grade 12) Reading Specialist Reading Specialist (Early Childhood-Grade 12)</p> <p>Secondary, Grades 6-12 or Grades 6-8: English<sup>1</sup> English Language Arts, Composite<sup>2</sup> Reading</p> <p>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</p>

<sup>1</sup>Plus verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-91 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

<sup>2</sup>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.

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL LEVEL CERTIFICATE
<p>Reading Improvement (One year or more below grade level)</p>	<p>Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8</p> <p>Core Subjects: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8</p> <p>Elementary, Grades 1-8: English<sup>1</sup> Reading</p> <p>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</p> <p>English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8</p> <p>English Language Arts and Reading: Grades 4-8</p> <p>English Language Arts and Reading/Social Studies: Grades 4-8</p> <p>Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8</p>	<p>English Language Arts and Reading: Grades 7-12 (Grade 7 and 8 only) Grades 8-12 (Grade 8 only) Junior High School, High School, Secondary, Grades 6-12 or Grades 6-8: English<sup>1</sup> English Language Arts, Composite<sup>2</sup> Reading</p> <p>Master Reading Teacher (Early Childhood-Grade 12) Reading Specialist Reading Specialist (Early Childhood-Grade 12) Teacher certificate plus 9 semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques<sup>3</sup></p>

<sup>1</sup> Plus verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-91 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

<sup>2</sup> Includes at least six semester credit hours in 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.

<sup>3</sup> Initial assignments beginning with the 1990-91 school year require a teaching field or specialization in English plus nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL LEVEL CERTIFICATE
Speech	Elementary: Speech Grades 1-8—Speech Communications Elementary teacher certificate plus 12 semester credit hours in speech	All-Level (Grades PK-12)—Speech Communications/Theatre Arts All-Level Speech and Drama Junior High School or High School: English Language Arts, Composite <sup>4</sup> Speech Speech and Drama Secondary, Grades 6-12 or Grades 6-8: English Language Arts, Composite <sup>4</sup> Speech Communications Secondary or All-Level teacher certificate plus 12 semester credit hours in speech Speech: Grades 7-12 (Grades 7 and 8 only) Grades 8-12 (Grade 8 only)
<sup>4</sup> Includes at least six semester credit hours in speech.		
LANGUAGES OTHER THAN ENGLISH  Languages Other Than English Exploratory Languages Cultural and Linguistic Topics	Elementary teacher certificate in the appropriate language of assignment Elementary teacher certificate plus 18 semester credit hours in language of assignment	Languages Other Than English (LOTE) certificate in the appropriate language (Early Childhood-Grade 12) Secondary or All-Level teacher certificate plus 18 semester credit hours in language of assignment Secondary teacher certificate in the appropriate language of assignment
American Sign Language		American Sign Language American Sign Language (ASL): Early Childhood-Grade 12

NOTE: TASC-ASL is required for an American Sign Language assignment.

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL LEVEL CERTIFICATE
<p>SOCIAL STUDIES Social Studies, Grade 6</p>	<p>Any elementary teacher certificate appropriate for Grade 6                      Bilingual Generalist:                          Early Childhood-Grade 6                          Grades 4-8                      Core Subjects:                          Early Childhood-Grade 6                          Grades 4-8                      English as a Second Language Generalist:                          Early Childhood-Grade 6                          Grades 4-8                      English Language Arts and Reading/Social Studies:                          Grades 4-8                      Generalist:                          Early Childhood-Grade 6                          Grades 4-8                      Social Studies: Grades 4-8</p>	<p>Junior High School or High School:                      Anthropology                      Economics                      Geography                      Government-Political Science                      History                      Psychology                      Sociology                      Social Science, Composite                      Secondary, Grades 6-12, or Grades 6-8:                      Economics                      Geography                      Government                      History                      Psychology                      Sociology                      Social Studies                      Social Studies, Composite                      Secondary or All-Level teacher certificate plus 18 semester credit hours in social studies</p>
<p>Social Studies, Grades 7 and 8 (Continued on next page)</p>	<p>Bilingual Generalist: Grades 4-8                      Core Subjects: Grades 4-8                      Elementary:                          History                      Elementary (Grades 1-8):                          History                          Social Studies                      Elementary teacher certificate plus 18 semester credit hours in social studies                      English as a Second Language Generalist: Grades 4-8</p>	<p>History:                      Grades 7-12                      Grades 8-12 (Grade 8 only)                      Junior High School or High School,                      History                      Social Science, Composite                      Secondary, Grades 6-12, or Grades 6-8:                      History                      Social Studies                      Social Studies, Composite</p>

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL LEVEL CERTIFICATE
<p>Social Studies, Grades 7 and 8 (Continued)</p>	<p>English Language Arts and Reading/Social Studies: Grades 4-8 Generalist: Grades 4-8 Social Studies: Grades 4-8</p>	<p>Secondary or All-Level teacher certificate plus 18 semester credit hours in social studies Social Studies: Grades 7-12 Grades 8-12(Grade 8 only)</p>
<p>MATHEMATICS</p>	<p>Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8 Core Subjects: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8 Elementary Grades 1-8: Mathematics Elementary teacher certificate plus 18 semester credit hours in mathematics English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8 Generalist: Early Childhood-Grade 6 (Grade 6 only) Grades 4-8 Mathematics: Grades 4-8 Mathematics/Science: Grades 4-8  NOTE: A teacher holding an Elementary Mathematics: Grades 1-8, or Mathematics: Grades 4-8 certificate may teach Algebra I at the middle school level for high school graduation credit.</p>	<p>Junior High School or High School, Mathematics Mathematical Science, Composite Master Mathematics Teacher: Grades 4-8 Grades 8-12 (Grade 8 only) Mathematics: Grades 7-12 (Grades 7-8 only) Grades 8-12 (Grade 8 only) Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 (Grade 8 only) Physics/Mathematics: Grades 7-12 (Grades 7-8 only) Grades 8-12 (Grade 8 only) Secondary, Grades 6-12, or Grades 6-8: Mathematics Secondary or All-Level teacher certificate plus 18 semester credit hours in mathematics</p>

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL LEVEL CERTIFICATE
<p>SCIENCE Science, Grade 6</p>	<p>Any elementary teacher certificate appropriate for Grade 6                      Bilingual Generalist:                          Early Childhood-Grade 6,                          Grades 4-8                      Core Subjects:                          Early Childhood-Grade 6                          Grades 4-8                      English as a Second Language Generalist:                          Early Childhood-Grade 6                          Grades 4-8                      Generalist:                          Early Childhood-Grade 6                          Grades 4-8                      Mathematics/Science: Grades 4-8                      Science: Grades 4-8</p>	<p>Junior High School or High School,                      Biology                      Chemistry                      Earth Science                      Life/Earth Science                      Life/Earth Middle-School Science                      Physical Science                      Physics                      Science                      Science, Composite                      Master Science Teacher (Grades 4-8)                      Mathematics/Physical Science/Engineering:                          Grades 6-12                      Secondary, Grades 6-12, or Grades 6-8:                      Biology                      Chemistry                      Earth Science                      Life/Earth Science                      Physical Science                      Physics                      Science                      Science, Composite                      Secondary or All-Level teacher certificate plus 18 semester credit hours in any combination of sciences</p>
<p>Science, Grades 7 and 8 (Continued on next page)</p>	<p>Bilingual Generalist: Grades 4-8                      Core Subjects: Grades 4-8                      Elementary or Elementary (Grades 1-8):                          Biology                          Chemistry                          Earth Science                          Life/Earth Middle-School Science                          Physical Science</p>	<p>Chemistry:                          Grades 7-12                          Grades 8-12 (Grade 8 only)                      Junior High School or High School                      Biology                      Chemistry                      Earth Science                      Life/Earth Middle-School Science</p>

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL LEVEL CERTIFICATE
<p>Science, Grades 7 and 8 (Continued)</p>	<p>Elementary or Elementary (Grades 1-8): Physics Elementary teacher certificate plus 18 semester credit hours in any combination of sciences English as a Second Language Generalist: Grades 4-8 Generalist: Grades 4-8 Mathematics/Science: Grades 4-8 Science: Grades 4-8</p>	<p>Junior High School or High School Physical Science Physics Science Science, Composite Life Science: Grades 8-12 (Grade 8 only) Grades 7-12 Master Science Teacher: Grades 4-8 Grades 8-12 (Grade 8 only) Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 (Grade 8 only) Physical Science: Grades 6-12 Grades 8-12 (Grade 8 only) Physics/Mathematics: Grades 7-12 Grades 8-12 (Grade 8 only) Science: Grades 7-12 Grades 8-12 (Grade 8 only) Secondary, Grades 6-12, or Grades 6-8: Biology Chemistry Earth Science Life/Earth Science Physical Science Physics Science Science, Composite Secondary or All-Level teacher certificate plus 18 semester credit hours in any combination of sciences</p>

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**GRADES 6-8 (DEPARTMENTALIZED)**

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL LEVEL CERTIFICATE
<p>HEALTH</p>	<p>Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only)                      Core Subjects: Early Childhood-Grade 6 (Grade 6 only)                      Elementary, Grades 1-8:                      Health                      Health and Physical Education                      Physical Education                      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                      English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only)                      Generalist: Early Childhood-Grade 6 (Grade 6 only)</p>	<p>All-Level:                      Health and Physical Education                      Physical Education                      Health: Early Childhood-Grade 12                      Junior High School or High School,                      Health                      Health and Physical Education                      Physical Education                      Physical Education: Early Childhood-Grade 12                      Secondary, Grades 6-12, or Grades 6-8:                      Health                      Physical Education                      Secondary or All-Level teacher certificate plus 12 semester credit hours 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</p>
<p>PHYSICAL EDUCATION</p>	<p>Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only)                      Core Subjects: Early Childhood-Grade 6 (Grade 6 only)                      Elementary                      Health and Physical Education                      Physical Education                      Elementary (Grades 1-8)                      Physical Education                      Elementary teacher certificate plus 12 semester credit hours in physical education, including safety and coordinated school health programs                      English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only)                      Generalist: Early Childhood-Grade 6 (Grade 6 only)</p>	<p>All-Level:                      Health and Physical Education                      Physical Education                      Junior High School or High School:                      Health and Physical Education                      Physical Education                      Secondary, Grades 6-12, Grades 6-8:                      Physical Education                      Physical Education (Early Childhood -Grades 12)                      Secondary or All-Level teacher certificate plus 12 semester credit hours in physical education, including safety and coordinated school health programs</p>

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Middle School 1-3

ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL LEVEL CERTIFICATE
<p>FINE ARTS Art (Middle School 1-3)</p>	<p>Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only) Core Subjects: Early Childhood-Grade 6 (Grade 6 only) Elementary, Grades 1-8: Art Elementary teacher certificate plus 18 semester credit hours in art English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only) Generalist: Early Childhood-Grade 6 (Grade 6 only)</p>	<p>Art: Early Childhood-Grade 12 Junior High School, High School, Secondary, Grades 6-12, Grades 6-8, or All Level: Art Secondary or All-Level teacher certificate plus 18 semester credit hours in art</p>
<p>Music (Middle School 1-3)</p>	<p>Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only) Core Subjects: Early Childhood-Grade 6 (Grade 6 only) Elementary or Elementary (Grades 1-8): Music Elementary teacher certificate plus 18 semester credit hours in music English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only) Generalist: Early Childhood-Grade 6 (Grade 6 only)</p>	<p>Junior High School, High School, Secondary, Grades 6-12, Grades 6-8, or All-level: Music Music: Early Childhood-Grade 12 Secondary or All-Level teacher certificate plus 18 semester credit hours in music</p>
<p>Theatre (Middle School 1-3)</p>	<p>Elementary—Drama Elementary (Grades 1-8)—Theatre Arts Elementary teacher certificate plus 18 semester credit hours in theatre arts/drama</p>	<p>All-Level—Speech and Drama All-Level (Grades PK-12)—Speech Communications/Theatre Arts Junior High School or High School: Drama Speech and Drama Secondary, Grades 6-12, or Grades 6-8: Theatre Arts Secondary or All-Level teacher certificate plus 18 semester credit hours in theatre arts/drama Theatre: Early Childhood-Grade 12</p>

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State Board for Educator Certification		19 TAC Chapter 231
GRADES 6-8 (DEPARTMENTALIZED)		
ASSIGNMENTS	ELEMENTARY LEVEL CERTIFICATE	SECONDARY OR ALL LEVEL CERTIFICATE
Dance (Middle School 1-3)		Dance: Grades 8-12 Dance: Grades 6-12
Technology Applications	Elementary teacher certificate plus verification of competency to teach computer literacy	Information Processing Technologies Endorsement (Level one or two) Junior High School, High School, Secondary, Grades 6-12, Grades 6-8: Computer Information Systems Secondary teacher certificate plus verification of competency to teach computer literacy Technology Applications: Early Childhood-Grade 12 Grades 8-12 (Grade 8 only)
CAREER DEVELOPMENT College and Career Readiness Investigating Careers		Any vocational or career and technical education (CTE) classroom teaching certificate. See 19 TAC §233.13 and §233.14 for examples of current CTE certificates.

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<b>GRADES 6-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
Reserve Officers' Training Corps (ROTC) For Physical Education Substitution Credit	Junior Reserve Officer Training Corps: Grades 6-12 Emergency Permit for Reserve Officer Training Corps (ROTC): Grades 6-12 An ROTC instructor permit may not be renewed, but must be reissued every year.  NOTE: School districts must apply and pay for reissuance of a new ROTC instructor emergency permit each year the instructor serves. ROTC may be used for Physical Education substitution credit.
ATHLETICS, CHEERLEADING, DRILL TEAM, MARCHING BAND For Physical Education Substitution Credit	Teacher certificate appropriate for grade level of assignment
DISCIPLINARY ALTERNATIVE EDUCATION PROGRAMS (See In-School Suspension)	
IN-SCHOOL SUSPENSION CLASS (for students assigned less than six weeks)	Educational Aide III under daily supervision of a teacher certified at the grade level of assignment
IN-SCHOOL SUSPENSION CLASS (for students assigned more than six weeks)	Valid certificate appropriate for grade level of assignment
INNOVATIVE COURSE	Valid certificate that matches the grade level of the assignment and the teacher qualifications specified in the approved innovative course description as determined by the Texas Education Agency.
LOCAL CREDIT COURSE	Teacher certificate appropriate for grade level of assignment or appropriate qualifications as determined by the school district
ADVANCED PLACEMENT COURSE INTERNATIONAL BACCALAUREATE COURSE	Teacher certificate appropriate for the area and grade level of assignment unless otherwise specified in this subsection
DRIVER EDUCATION	Driver Education Endorsement

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>ENGLISH LANGUAGE ARTS AND READING English I-IV</p>	<p>English Language Arts and Reading: Grades 7-12 Grades 8-12 Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12: English English Language Arts, Composite</p>
<p>English I and II for Speakers of Other Languages</p>	<p>English Language Arts and Reading: Grades 7-12 Grades 8-12 Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12 or Grades 9-12: English English Language Arts, Composite</p> <p>Plus one of the following: Bilingual Education Supplemental Bilingual Education Supplemental EC-4 Bilingual Education Supplemental 4-8 Bilingual Endorsement Bilingual/ESL Endorsement English as a Second Language Endorsement English as a Second Language Supplemental Grades PK-12—Bilingual/ESL Grades PK-12—English as a Second Language Junior High School (grades 9-10 only), High School, or Secondary: Bilingual/ESL</p>

NOTE: At the discretion of the employing school district, persons assigned to teach ESOL I or ESOL II prior to June 21, 2009, may continue in the assignment without holding an English, English Language Arts Composite, or English Language Arts and Reading certificate. If a person is reassigned and later returns to teach in an ESOL I or ESOL II assignment, current rules will apply.

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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
<p>English as a Second Language (ESL) English Development and Acquisition (ELDA)</p>	<p>Teaching certificate appropriate for the grade level and subject areas taught plus one of the following:                      Bilingual Education Supplemental                      Bilingual Education Supplemental EC-4                      Bilingual Education Supplemental 4-8                      Bilingual Endorsement                      Bilingual/ESL Endorsement                      English as a Second Language Endorsement                      English as a Second Language Supplemental                      Grades PK-12—Bilingual/ESL                      Grades PK-12—English as a Second Language                      Junior High School (grades 9-10 only), High School, or Secondary:                      Bilingual/ESL</p>
<p>Reading I, II, and III</p>	<p>English Language Arts and Reading:                      Grades 7-12                      Grades 8-12                      Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12 or Grades 9-12:                      English<sup>5</sup>                      English Language Arts, Composite<sup>6</sup>                      Reading                      Master Reading Teacher (Early Childhood-Grade 12)                      Reading Specialist                      Reading Specialist (Early Childhood-Grade 12)                      Secondary or All-Level teacher certificate plus 9 semester credit hours of upper-division course work in reading with at least one course in diagnostic reading techniques<sup>7</sup></p>

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>College Readiness and Study Skills</p>	<p>English Language Arts and Reading:                      Grades 7-12                      Grades 8-12                      Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12 or Grades 9-12:                      English<sup>5</sup>                      English Language Arts, Composite<sup>6</sup>                      Reading                      Master Reading Teacher (Early Childhood-Grade 12)                      Reading Specialist                      Reading Specialist (Early Childhood-Grade 12)</p>
<p><sup>5</sup> Plus 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.</p> <p><sup>6</sup> Includes at least six semester credit hours in 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.</p> <p><sup>7</sup> Initial assignments beginning with the 1990-91 school year require a teaching field in English plus nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.</p>	
<p>Writing                      Research and Technical Writing                      Creative Writing                      Practical Writing Skills                      Literary Genres                      Humanities                      Independent Study in English                      Visual Media Analysis and Production                      Contemporary Media</p>	<p>English Language Arts and Reading:                      Grades 7-12                      Grades 8-12                      Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12:                      English                      English Language Arts, Composite</p>

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Oral Interpretation I, II, III Debate I, II, III Public Speaking I, II, III Independent Study in Speech Communication Applications	All-Level— Speech and Drama Speech Communications/Theatre Arts Junior High School (Grades 9-10 only) or High School: English Language Arts, Composite <sup>8</sup> Speech Speech and Drama Secondary, Grades 6-12, or Grades 9-12: Speech Communications Speech: Grades 7-12 Grades 8-12
<sup>8</sup> Includes at least six semester credit hours in speech.	
Journalism Advanced Journalism: Yearbook I, II, III Literary Magazine Newspaper Production I, II, III Photojournalism Advanced Broadcast Journalism I, II, III Independent Study in Journalism	Journalism: Grades 7-12 Grades 8-12 Junior High School (Grades 9-10 only) High School, Secondary, Grades 6-12, or Grades 9-12: English Language Arts, Composite <sup>9</sup> Journalism
<sup>9</sup> Includes at least six semester credit hours in Journalism	
LANGUAGES OTHER THAN ENGLISH Languages Other Than English Exploratory Languages Cultural and Linguistic Topics	Languages Other Than English (LOTE) certificate in the appropriate language (Early Childhood-Grade 12) Secondary teacher certificate in the appropriate language of assignment
American Sign Language	American Sign Language American Sign Language: Early Childhood-Grade 12
NOTE: TASC-ASL is required for an American Sign Language assignment.	

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>SOCIAL STUDIES History</p>	<p>History:                      Grades 7-12                      Grades 8-12                      Junior High School (Grades 9-10 only) or High School:                      History                      Social Science, Composite                      Secondary, Grades 6-12, or Grades 9-12:                      History                      Social Studies                      Social Studies, Composite                      Social Studies:                      Grades 7-12                      Grades 8-12</p>
<p>Geography</p>	<p>Junior High School (Grades 9-10 only) or High School                      Geography                      Social Science, Composite                      Secondary, Grades 6-12, or Grades 9-12:                      Geography                      Social Studies                      Social Studies, Composite                      Social Studies:                      Grades 7-12                      Grades 8-12</p>
<p>Government</p>	<p>Junior High School (Grades 9-10 only) or High School:                      Government-Political Science                      Social Science, Composite                      Secondary, Grades 6-12 or Grades 9-12:                      Government                      Social Studies                      Social Studies, Composite                      Social Studies:                      Grades 7-12                      Grades 8-12</p>

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**GRADES 9-12**

**ASSIGNMENTS**

**CERTIFICATES**

<p>Psychology</p>	<p>Junior High School (Grades 9-10 only)                  Psychology                  Social Science, Composite                  Secondary, Grades 6-12 or Grades 9-12                  Psychology                  Social Studies                  Social Studies, Composite                  Social Studies:                  Grades 7-12                  Grades 8-12</p>
<p>Sociology</p>	<p>Junior High School (Grades 9-10 only) or High School:                  Sociology                  Social Science, Composite                  Secondary, Grades 6-12 or Grades 9-12                  Sociology                  Social Studies                  Social Studies, Composite                  Social Studies:                  Grades 7-12                  Grades 8-12</p>
<p>Social Studies Advanced Studies                  Special Topics in Social Studies                  Social Studies Research Methods                  (Continued on next page)</p>	<p>History:                  Grades 7-12                  Grades 8-12                  Junior High School (Grades 9-10 only) or High School:                  Anthropology                  Economics                  Geography                  Government-Political Science                  History                  Psychology                  Social Science, Composite                  Sociology                  Government                  History                  Psychology</p>

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Social Studies Advanced Studies Special Topics in Social Studies Social Studies Research Methods (Continued)	Secondary, Grades 6-12, or Grades 9-12: Economics Geography Social Studies Social Studies, Composite Sociology Social Studies: Grades 7-12 Grades 8-12
Economics with Emphasis on the Free Enterprise System and Its Benefits Personal Financial Literacy	Any business certificate Junior High School (Grades 9-10 only) or High School: Economics Social Science, Composite Secondary, Grades 6-12, or Grades 9-12: Economics Social Studies Social Studies, Composite Social Studies: Grades 7-12 Grades 8-12
Ethnic Studies: Mexican American Studies	History: Grades 7-12 Grades 8-12 Junior High School (Grades 9-10 only) or High School: History Social Science, Composite Secondary, Grades 6-12, or Grades 9-12: History Social Studies Social Studies, Composite Social Studies: Grades 7-12 Grades 8-12

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>MATHEMATICS                      Mathematics                      Algebraic Reasoning                      Statistics</p>	<p>Junior High School (Grades 9-10 only) or High School:                      Mathematics                      Mathematical Science, Composite                      Master Mathematics Teacher (Grades 8-12)                      Mathematics:                      Grades 7-12                      Grades 8-12                      Mathematics/Physical Science/Engineering:                      Grades 6-12                      Grades 8-12                      Physics/Mathematics:                      Grades 7-12                      Grades 8-12                      Secondary, Grades 6-12, or Grades 9-12                      Mathematics</p>
<p>SCIENCE                      Biology</p>	<p>Junior High School (Grades 9-10 only) High School, Secondary, Grades 6-12, or Grades 9-12:                      Biology                      Science                      Science, Composite                      Life Science:                      Grades 7-12                      Grades 8-12                      Master Science Teacher (Grades 8-12)                      Science:                      Grades 7-12                      Grades 8-12</p>
<p>Chemistry                      (Continued on next page)</p>	<p>Chemistry:                      Grades 7-12                      Grades 8-12                      Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12:                      Chemistry                      Science                      Science, Composite                      Master Science Teacher (Grades 8-12)</p>

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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
Chemistry (Continued)	Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physical Science: Grades 6-12 Grades 8-12 Science: Grades 7-12 Grades 8-12
Physics	Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12): Physics Science Science, Composite Master Science Teacher (Grades 8-12) Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physical Science: Grades 6-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12 Science: Grades 7-12 Grades 8-12

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>Integrated Physics and Chemistry</p>	<p>Junior High School (Grades 9-10 only) or High School:                      Chemistry, if issued prior to 9/1/1976                      Physical Science                      Physics, if issued prior to 9/1/1976                      Science                      Science, Composite                      Master Science Teacher (Grades 8-12)                      Mathematics/Physical Science/Engineering:                      Grades 6-12                      Grades 8-12                      Physical Science:                      Grades 6-12                      Grades 8-12                      Science:                      Grades 7-12                      Grades 8-12                      Secondary, Grades 6-12, or Grades 9-12:                      Physical Science                      Science                      Science, Composite                      Secondary or All-Level classroom teaching certificate dated between September 1, 1966, and September 1, 1976, plus 24 semester credit hours in a combination of sciences completed prior to September 1, 1976.</p>
<p>Principles of Technology                      (Continued on next page)</p>	<p>Junior High School (Grades 9-10 only) or High School:                      Industrial Arts                      Physics                      Science, Composite                      Master Science Teacher (Grades 8-12)                      Mathematics/Physical Science/Engineering:                      Grades 6-12                      Grades 8-12                      Physical Science:                      Grades 6-12                      Grades 8-12                      Physics/Mathematics:                      Grades 7-12                      Grades 8-12</p>

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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
Principles of Technology (Continued)	Science: Grades 7-12 Grades 8-12 Secondary, Grades 6-12, or Grades 9-12: Industrial Arts Industrial Technology Physics Science Science, Composite Technology Education: Grades 6-12
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 1998-99 school year. Six semester credit hours of college physics, chemistry, or electricity/electronics may be substituted for the business and industry experience.	
Astronomy	Junior High School (Grades 9-10 only), High School, Grades 6-12, or Grades 9-12: Earth Science Science Science, Composite Master Science Teacher (Grades 8-12) Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physical Science: Grades 6-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12 Science: Grades 7-12 Grades 8-12 Secondary (Grades 6-12): Earth Science Physics Science Science, Composite

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**GRADES 9-12**

**ASSIGNMENTS**

**CERTIFICATES**

Earth and Space Science

Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12:  
 Earth Science  
 Science  
 Science, Composite  
 Master Science Teacher (Grades 8-12)  
 Mathematics/Physical Science/Engineering:  
 Grades 6-12  
 Grades 8-12  
 Physical Science:  
 Grades 6-12  
 Grades 8-12  
 Science:  
 Grades 7-12  
 Grades 8-12

Environmental Systems<sup>10</sup>  
 AP Environmental Science<sup>10</sup>  
 IB Environmental Systems<sup>10</sup>  
 Aquatic Science

Chemistry:  
 Grades 7-12  
 Grades 8-12  
 Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12:  
 Biology  
 Earth Science  
 Science  
 Science, Composite  
 Life Science:  
 Grades 7-12  
 Grades 8-12  
 Master Science Teacher (Grades 8-12)  
 Science:  
 Grades 7-12  
 Grades 8-12

<sup>10</sup> Secondary or All-Level teacher certificate plus 24 semester credit hours in science, including at least 12 semester credit hours in environmental science and/or ecology if assigned prior to the 1989-90 school year or any science teaching certificate with 12 semester credit hours in environmental science and/or ecology.

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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
<p>Anatomy and Physiology                      Medical Microbiology                      Pathophysiology</p>	<p>Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12:                      Biology                      Science                      Science, Composite                      Health Science: Grades 6-12                      Health Science Technology                      Health Science Technology: Grades 8-12                      Life Science:                      Grades 7-12                      Grades 8-12                      Master Science Teacher (Grades 8-12)                      Science:                      Grades 7-12                      Grades 8-12                      Vocational Handicapped Health                      Vocational Health Occupations                      Vocational Health Occupations/Cooperative Training                      Vocational Health Occupations/Pre-employment Lab</p>
<p>Scientific Research and Design</p>	<p>Any vocational or career and technical education (CTE) certificate with a Bachelor’s degree and 18 semester credit hours in any combination of sciences.                      See 19 TAC §233.13 and §233.14 for examples of current CTE certificates.</p> <p>Any science certificate valid for Grades 6-12, 7-12 or 8-12                      Any secondary science teaching field                      Master Science Teacher (Grades 8-12)</p>

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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
HEALTH	All-Level—Health and Physical Education Health: Early Childhood-Grade 12 Junior High School (Grades 9-10 only) or High School: Health Health and Physical Education Secondary, Grades 6-12, or Grades 9-12: Health
PHYSICAL EDUCATION	All-Level, Junior High School (Grades 9-10 only) or High School: Health and Physical Education Physical Education Physical Education: Early Childhood-Grade 12 Secondary, Grades 6-12, or Grades 9-12: Physical Education
FINE ARTS Art	Art: Early Childhood-Grade 12 Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, Grades 9-12, or All Level: Art
Music, including Musical Studies	Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, Grades 9-12, or All Level: Music Music: Early Childhood-Grade 12
Theatre, including Musical Theatre and Technical Theatre	All-Level Speech/Drama All-Level (Grades PK-12)—Speech Communications/Theatre Arts All-Level (Grades PK–12) Theatre Arts Junior High School (Grades 9-10 only) or High School Drama Speech and Drama Secondary, Grades 6-12, or Grades 9-12: Theatre Arts Theatre: Early Childhood-Grade 12
Dance	Dance: Grades 8-12 Grades 6-12 Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12 Dance

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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
International Baccalaureate Film Standard Level and Higher Level	All-Level Speech/Drama All-Level (Grades PK-12)—Speech Communications/Theatre Arts All-Level (Grades PK–12) Theatre Arts English Language Arts and Reding Grades 7-12 Grades 8-12 Secondary, Grades 6-12, or Grades 9-12: English English Language Arts, Composite Theatre Arts Theatre: Early Childhood-Grade 12
TECHNOLOGY APPLICATIONS Computer Science I Computer Science II Computer Science III Digital Forensics Robotics Programming and Design	Computer Science: Grades 8-12 Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12 Computer Information Systems
Digital Video and Audio Design Web Communications Digital Design and Media Production Digital Art and Animation 3-D Modeling and Animation Digital Communications in the 21 <sup>st</sup> Century Web Design Web Game Development Independent Study in Technology Applications Independent Study in Evolving/Emerging Technologies	Technology Applications: Early Childhood-Grade 12 Technology Applications: Grades 8-12

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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
Discrete Mathematics	Computer Science: Grades 8-12 Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12: Computer Information Systems Master Mathematics Teachers (Grades 8-12) Mathematics: Grades 7-12 Grades 8-12 Mathematics/Physical Science/Engineering: Grades 7-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12
Fundamentals of Computer Science Advanced Placement Computer Science Principles Game Programming and Design Mobile Application Development	Computer Science: Grades 8-12 Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12: Computer Information Systems Technology Applications: Early Childhood – Grade 12 Grades 8-12
Foundations of Cybersecurity Cybersecurity Capstone	Computer Science: Grades 8-12 Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12: Computer Information Systems Technology Applications: Early Childhood – Grade 12 Grades 8-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.

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**ASSIGNMENT OF PUBLIC SCHOOL PERSONNEL**  
**PART II**  
**REQUIREMENTS FOR TEACHERS ASSIGNED TO**  
**CAREER AND TECHNICAL EDUCATION ASSIGNMENTS**

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>CAREER DEVELOPMENT                      Career Preparation I<sup>1</sup>                      Career Preparation II<sup>1</sup>                      Extended Career Preparation<sup>1</sup>                      Project-Based Research</p>	<p>Any vocational or career and technical education (CTE) classroom teaching certificate.                      See 19 TAC §233.13 and §233.14 for examples of current CTE certificates.</p>
<p><sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.</p>	
<p>Applied Mathematics for Technical Professionals<sup>2</sup></p>	<p>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.                      Master Mathematics Teacher (Grades 8-12).                      Mathematics:                          Grades 7-12                          Grades 8-12                      Mathematics/Physical Science/Engineering:                          Grades 6-12                          Grades 8-12                      Physics/Mathematics:                          Grades 7-12                          Grades 8-12                      Secondary, Grades 6-12 or Grades 9-12:                          Mathematics</p>
<p><sup>2</sup> 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 <a href="http://tea.texas.gov/cte">tea.texas.gov/cte</a>.</p>	

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**GRADES 9-12**

**ASSIGNMENTS**

**CERTIFICATES**

AGRICULTURE, FOOD, AND NATURAL RESOURCES  
 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  
 Wildlife, Fisheries, and Ecology Management  
 Practicum in Agriculture, Food and Natural Resources<sup>1</sup>  
 Extended Practicum in Agriculture, Food, and Natural Resources<sup>1</sup>

Agriculture, Food, and Natural Resources: Grades 6-12  
 Agricultural Science and Technology: Grades 6-12  
 Any vocational agriculture certificate

<sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>Advanced Animal Science<sup>2</sup> Advanced Plant and Soil Science<sup>2</sup></p>	<p>Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any vocational agriculture certificate Life Science:     Grades 7-12     Grades 8-12 Master Science Teacher (Grades 8-12) Science:     Grades 7-12     Grades 8-12 Secondary Biology: Grades 6-12 Secondary Science, Composite: Grades 6-12</p>
<p><sup>2</sup>All teachers assigned to this course shall participate in Texas Education Agency (TEA)-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at <a href="http://tea.texas.gov/cte">tea.texas.gov/cte</a>.</p>	
<p>Agribusiness Management and Marketing</p>	<p>Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any business or office education certificate Any marketing or distributive education certificate Any vocational agriculture certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Marketing: Grades 6-12 Marketing Education: Grades 8-12</p>
<p>Mathematical Applications in Agriculture, Food, and Natural Resources<sup>2</sup> (Continued on next page)</p>	<p>Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any vocational agriculture certificate Master Mathematics Teacher (Grades 8-12)</p>

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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
<p>Mathematical Applications in Agriculture, Food, and Natural Resources<sup>2</sup> (Continued)</p>	<p>Mathematics: Grades 7-12 Grades 8-12 Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12 Secondary Mathematics: Grades 6-12</p>
<p><sup>2</sup>All teachers assigned to this course shall participate in Texas Education Agency (TEA)-approved training prior to teaching this course effective with the 2019-2020 school year. Specific details about the required training can be found at <a href="http://tea.texas.gov/cte">tea.texas.gov/cte</a>.</p>	
<p>Agricultural Equipment Design and Fabrication Agricultural Structures Design and Fabrication Agricultural Mechanics and Metal Technologies Agricultural Power Systems Oil and Gas Production</p>	<p>Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any vocational agriculture certificate Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.</p>
<p>Floral Design</p>	<p>Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any vocational agriculture certificate Art: Early Childhood-Grade 12 Junior High School, High School, Secondary, Grades 6-12, Grades 6-8, or All Level: Art Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.</p>

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
ARCHITECTURE AND CONSTRUCTION Principles of Architecture Principles of Construction	Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any home economics or homemaking certificate Family and Consumer Sciences, Composite: Grades 6-12 Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Secondary Industrial Arts: Grades 6-12 Secondary Industrial Technology: Grades 6-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
Interior Design I Interior Design II Practicum in Interior Design <sup>1</sup> Extended Practicum in Interior Design <sup>1</sup>	Any home economics or homemaking certificate Family and Consumer Sciences, Composite: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry. This assignment requires appropriate work approval.

<sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Architectural Design I Architectural Design I Practicum in Architectural Design Extended Practicum in Architectural Design	Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Secondary Industrial Arts: Grades 6-12 Secondary Industrial Technology: Grades 6-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
Construction Management I Construction Management II Construction Technology I Construction Technology II Practicum in Construction Management <sup>1</sup> Practicum in Construction Technology <sup>1</sup> Extended Practicum in Construction Management <sup>1</sup> Extended Practicum in Construction Technology <sup>1</sup>	Agriculture, Food, and Natural Resources Grades 6-12 Agricultural Science and Technology Grades 6-12 Any vocational agriculture certificate Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Secondary Industrial Arts: Grades 6-12 Secondary Industrial Technology: Grades 6-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
<sup>1</sup> The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.	

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Building Maintenance Technology I Building Maintenance Technology II	Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any vocational agriculture certificate Secondary Industrial Arts: Grades 6-12 Secondary Industrial Technology :Grades 6-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
Mill and Cabinetmaking Technology	Secondary Industrial Arts: Grades 6-12 Secondary Industrial Technology: Grades 6-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
Electrical Technology I Electrical Technology II HVAC and Refrigeration I HVAC and Refrigeration II Masonry Technology I Masonry Technology II Plumbing Technology I Plumbing Technology II Practicum in Masonry Technology I <sup>1</sup> Extended Practicum in Masonry Technology <sup>1</sup>	Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.

<sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS</p> <p>Professional Communications</p>	<p>All-Level Speech and Drama                      All-Level (Grades PK-12)—Speech Communications/Theatre Arts                      Junior High School (Gres 9-10 only), High School:                          English Language Arts, Composite                          Speech                          Speech and Drama                      Secondary, Grades 6-12, or Grades 9-12:                          Speech Communications                      Secondary, Grades 6-12:                          English Language Arts, Composite                          Speech                      Speech:                          Grades 7-12 (Grades 7 and 8 only)                          Grades 8-12 (Grade 8 only)</p> <p>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)). The school district is responsible for ensuring that each teacher assigned to Professional Communications, Grades 9-12, has completed appropriate education and/or training in effective communication strategies and demonstrates proficiency in oral and written communication.</p>
<p>Principles of Arts, Audio/Video Technology, and Communications</p>	<p>Any business or office education certificate                      Business and Finance: Grades 6-12                      Business Education: Grades 6-12                      Secondary Industrial Arts: Grades 6-12                      Secondary Industrial Technology: Grades 6-12                      Technology Applications: Early Childhood-Grade 12                      Technology Applications:                          Grades Early Childhood-Grade12                          Grades 8-12                      Technology Education: Grades 6-12                      Trade and Industrial Education:                          Grades 6-12 - This assignment requires appropriate work approval.                          Grades 8-12 - This assignment requires appropriate work approval.                      Vocational Trades and Industry - This assignment requires appropriate work approval.</p>

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
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Animation I Animation I Lab Animation II Animation II Lab Practicum in Animation <sup>1</sup> Extended Practicum in Animation <sup>1</sup> (Continued)	Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Secondary Industrial Arts: Grades 6-12 Secondary Industrial Technology: Grades 6-12 Technology Applications: Early Childhood-Grade 12 Grades 8-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
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<sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.

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 Practicum in Audio/Video Production <sup>1</sup> Extended Practicum in Audio/Video Production <sup>1</sup> Practicum in Graphic Design and Illustration <sup>1</sup> Extended Practicum in Graphic Design and Illustration <sup>1</sup>	Secondary Industrial Arts: Grades 6-12 Secondary Industrial Technology: Grades 6-12 Technology Applications: Early Childhood-Grade 12 Grades 8-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
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<sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.

**GRADES 9-12**

<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
Commercial Photography I Commercial Photography I Lab Commercial Photography II Commercial Photography II Lab	Art (Early Childhood-Grade 12). Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12: Art Secondary Industrial Arts: Grades 6-12 Secondary Industrial Technology: Grades 6-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
Practicum in Commercial Photography <sup>1</sup> Extended Practicum in Commercial Photography <sup>1</sup>	Secondary Industrial Arts: Grades 6-12 Secondary Industrial Technology: Grades 6-12 Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.

<sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Printing and Imaging Technology I Printing and Imaging Technology I Lab Printing and Imaging Technology II Printing and Imaging Technology II Lab Practicum in Printing and Imaging Technology <sup>1</sup> Extended Practicum in Printing and Imaging Technology <sup>1</sup>	Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
Fashion Design I Fashion Design I Lab Fashion Design II Fashion Design II Lab Practicum in Fashion Design <sup>1</sup> Extended Practicum in Fashion Design <sup>1</sup>	Any home economics or homemaking certificate Family and Consumer Sciences, Composite: Grades 6-12
<sup>1</sup> The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.	
<b>BUSINESS MANAGEMENT AND ADMINISTRATION</b>  Business Information Management I Business Information Management II Business Law Touch System Data Entry Practicum in Business Management <sup>1</sup> Extended Practicum in Business Management <sup>1</sup>	Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12
Business Management Business Lab Global Business Human Resources Management Principles of Business, Marketing, and Finance Virtual Business	Any business or office education certificate Any marketing or distributive education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Marketing: Grades 6-12 Marketing Education: Grades 8-12
<sup>1</sup> The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.	

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ASSIGNMENTS	CERTIFICATES	
Business English <sup>2</sup>	Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 English Language Arts and Reading: Grades 7-12 English Language Arts and Reading: Grades 8-12 Grades 6-12 or Grades 9-12--English Grades 6-12 or Grades 9-12—English Language Arts, Composite Junior High School (Grades 9-10 only) or High School--English Junior High School (Grades 9-10 only) or High School--English Language Arts, Composite Secondary English (Grades 6-12) Secondary English Language Arts, Composite (Grades 6-12)	
<sup>2</sup> 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 <a href="http://tea.texas.gov/cte">tea.texas.gov/cte</a> .		
EDUCATION AND TRAINING Instructional Practices Principles of Education and Training Practicum in Education and Training <sup>1</sup> Extended Practicum in Education and Training <sup>1</sup>	Any valid classroom teacher or administrator certificate.	
<sup>1</sup> The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety		
Human Growth and Development	Any home economics or homemaking certificate Family and Consumer Sciences, Composite: Grades 6-12 Health Science: Grades 6-12 Health Science Technology Health Science Technology Education: Grades 8-12 Human Development and Family Studies: Grades 8-12 Vocational Health Occupations Vocational Health Science Technology	
FINANCE Banking and Financial Services	Any business or office education certificate Any marketing or distributive education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Marketing: Grades 6-12 Marketing Education: Grades 8-12	

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Money Matters	Any business or office education certificate Any homemaking or home economics certificate Any marketing or distributive education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Family and Consumer Sciences, Composite: Grades 6-12 Marketing: Grades 6-12 Marketing Education: Grades 8-12
Accounting I Financial Analysis Insurance Operations Securities and Investments	Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12
Statistics and Business Decision Making <sup>2</sup> Financial Mathematics	Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Master Mathematics Teacher (Grades 8-12) Mathematics: Grades 7-12 Grades 8-12 Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12 Secondary Mathematics: Grades 6-12
Accounting II <sup>2</sup> (Continued on next page)	Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Master Mathematics Teacher (Grades 8-12) Mathematics: Grades 7-12 Grades 8-12

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
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Accounting II <sup>2</sup> (Continued on next page)	Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12 Secondary Mathematics: Grades 6-12
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<sup>2</sup>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).

GOVERNMENT AND PUBLIC ADMINISTRATION Foreign Service and Diplomacy Planning and Governance Political Science I Political Science II Principles of Government and Public Administration Public Management and Administration Practicum in Local, State, and Federal Government <sup>1</sup> Extended Practicum in Local, State, and Federal Government <sup>1</sup>	Grades 6-12 or 9-12: Government Social Studies Junior High School (Grades 9-10 only) or High School: Government-Political Science Social Science, Composite Secondary: Government Political Science Social Studies, Composite Secondary Social Science, Composite Social Studies: Grades 7-12 Grades 8-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
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<sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Revenue, Taxation, and Regulation	Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Grades 6-12 or 9-12: Social Studies Junior High (Grades 9-10 only) or High School: Social Science, Composite Secondary: Social Studies, Composite Social Science, Composite Social Studies: Grades 7-12 Grades 8-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
National Security	Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
HEALTH SCIENCE Health Science Theory Health Science Clinical Medical Terminology Pharmacology Principles of Health Science World Health Research Practicum in Health Science <sup>1</sup> Extended Practicum in Health Science <sup>1</sup>	Health Science: Grades 6-12 Health Science Technology Education: Grades 8-12 Vocational Health Occupations Vocational Health Science Technology
<sup>1</sup> The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.	

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Anatomy and Physiology <sup>2</sup> Medical Microbiology <sup>2</sup> Pathophysiology <sup>2</sup>	Health Science: Grades 6-12 - This assignment requires a bachelor's degree. Health Science Technology Education: Grades 8-12 - This assignment requires a bachelor's degree. Life Science: Grades 7-12 Grades 8-12 Master Science Teacher (Grades 8-12) Science: Grades 7-12 Grades 8-12 Secondary: Biology Science Science Composite Vocational Health Occupations - This assignment requires a bachelor's degree. Vocational Health Science Technology - This assignment requires a bachelor's degree.
Mathematics for Medical Professionals <sup>2</sup>	Health Science: Grades 6-12 - This assignment requires a bachelor's degree. Health Science Technology Education: Grades 8-12 - This assignment requires a bachelor's degree. Vocational Health Occupations - This assignment requires a bachelor's degree. Vocational Health Science Technology - This assignment requires a bachelor's degree. Master Mathematics Teacher (Grades 8-12) Mathematics: Grades 7-12 Grades 8-12 Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12 Secondary Mathematics

<sup>2</sup>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).

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State Board for Educator Certification		19 TAC Chapter 231
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ASSIGNMENTS	CERTIFICATES	
Health Informatics	Health Science: Grades 6-12 Health Science Technology Education: Grades 8-12 Vocational Health Occupations Vocational Health Science Technology Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12	
HOSPITALITY AND TOURISM Hospitality Services Hotel Management Principles of Hospitality and Tourism Travel and Tourism Management Practicum in Hospitality Services <sup>1</sup> Extended Practicum in Hospitality Services <sup>1</sup>	Any home economics or homemaking certificate Any marketing or distributive education certificate Family and Consumer Sciences, Composite: Grades 6-12 Hospitality, Nutrition, and Food Sciences: Grades 8-12 Marketing: Grades 6-12 Marketing Education: Grades 8-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.	
Introduction to Culinary Arts Advanced Culinary Arts Practicum in Culinary Arts <sup>1</sup> Extended Practicum in Culinary Arts <sup>1</sup>	Any home economics or homemaking certificate Family and Consumer Sciences, Composite: Grades 6-12 Hospitality, Nutrition, and Food Sciences: Grades 8-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.	
<sup>1</sup> The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.		

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Food Science <sup>2</sup>	Any home economics or homemaking certificate Chemistry: Grades 7-12 Grades 8-12 Family and Consumer Sciences, Composite: Grades 6-12 Hospitality, Nutrition, and Food Sciences: Grades 8-12 Life Science: Grades 7-12 Grades 8-12 Master Science Teacher (Grades 8-12) Science: Grades 7-12 Grades 8-12 Secondary Biology Chemistry Science Science, Composite
HUMAN SERVICES Child Development Child Guidance Family and Community Services Interpersonal Studies Principles of Human Services Practicum in Human Services <sup>1</sup> Extended Practicum in Human Services <sup>1</sup>	Any home economics or homemaking certificate Family and Consumer Sciences, Composite: Grades 6-12 Human Development and Family Studies: Grades 8-12
<p><sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.</p> <p><sup>2</sup>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 <a href="http://tea.texas.gov/cte">tea.texas.gov/cte</a>.</p>	

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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
Lifetime Nutrition and Wellness	Any home economics or homemaking certificate Family and Consumer Sciences, Composite: Grades 6-12 Health Science: Grades 6-12 Health Science Technology Education: Grades 8-12 Hospitality, Nutrition, and Food Sciences: Grades 8-12 Human Development and Family Studies: Grades 8-12 Vocational Health Occupations Vocational Health Science Technology
Counseling and Mental Health	Any home economics or homemaking certificate Family and Consumer Sciences, Composite: Grades 6-12 Health Science: Grades 6-12 Health Science Technology Education: Grades 8-12 Human Development and Family Studies: Grades 8-12 Vocational Health Occupations Vocational Health Science Technology
Dollars and Sense	Any business or office education certificate Any home economics or homemaking certificate Any marketing or distributive education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Family and Consumer Sciences, Composite: Grades 6-12 Human Development and Family Studies: Grades 8-12 Marketing: Grades 6-12 Marketing Education: Grades 8-12
Introduction to Cosmetology Cosmetology I Cosmetology II Principles of Cosmetology Design and Color Theory	Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.  Plus: Current license as a Cosmetology Instructor issued by the Texas Department of Licensure and Regulation

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>INFORMATION TECHNOLOGY Principles of Information Technology Networking Networking Lab</p>	<p>Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Secondary:     Industrial Arts     Industrial Technology Technology Applications:     Early Childhood-Grade 12     Grades 8-12 Technology Education: Grades 6-12 Trade and Industrial Education:     Grades 6-12 - This assignment requires appropriate work approval.     Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.</p>
<p>Digital Media Web Technologies</p>	<p>Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Secondary:     Industrial Arts     Industrial Technology Technology Applications:     Early Childhood-Grade 12     Grades 8-12 Technology Education: Grades 6-12 Trade and Industrial Education:     Grades 6-12 - This assignment requires appropriate work approval.     Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.</p>

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>Computer Programming I Computer Programming II</p>	<p>Any business or office education certificate Business and Finance: Grades 6-12 Business Education: Grades 6-12 Computer Science: Grades 8-12 Secondary:     Computer Information Systems: Grades 6-12     Industrial Arts     Industrial Technology Technology Applications:     Early Childhood-Grade 12     Grades 8-12 Technology Education: Grades 6-12 Trade and Industrial Education:     Grades 6-12 - This assignment requires appropriate work approval.     Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.</p>
<p>Computer Maintenance Computer Maintenance Lab</p>	<p>Secondary:     Industrial Arts     Industrial Technology Technology Education: Grades 6-12 Trade and Industrial Education:     Grades 6-12 - This assignment requires appropriate work approval.     Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.</p>

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>Computer Technician Practicum<sup>1</sup>                      Extended Computer Technician Practicum<sup>1</sup>                      Practicum in Information Technology<sup>1</sup>                      Extended Practicum in Information Technology<sup>1</sup></p>	<p>Secondary:                      Industrial Arts                      Industrial Technology                      Technology Applications:                      Early Childhood-Grade 12                      Grades 8-12                      Technology Education: Grades 6-12                      Trade and Industrial Education:                      Grades 6-12 - This assignment requires appropriate work approval.                      Grades 8-12 - This assignment requires appropriate work approval.                      Vocational Trades and Industry - This assignment requires appropriate work approval.</p>
<p>LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY                      Correctional Services                      Court Systems and Practices                      Criminal Investigations                      Federal Law Enforcement and Protective Services                      Firefighter I                      Firefighter II                      Law Enforcement I                      Law Enforcement II                      Principles of Law, Public Safety, Corrections, and Security                      Practicum in Law, Public Safety, Corrections and Security<sup>1</sup>                      Extended Practicum in Law, Public Safety, Corrections and Security<sup>1</sup></p>	<p>Trade and Industrial Education:                      Grades 6-12 - This assignment requires appropriate work approval.                      Grades 8-12 - This assignment requires appropriate work approval.                      Vocational Trades and Industry - This assignment requires appropriate work approval.</p> <p>Plus:                      Valid license appropriate for the assignment.</p>

<sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.

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**GRADES 9-12**

**ASSIGNMENTS**

**CERTIFICATES**

Forensic Science<sup>2</sup>

Chemistry:  
 Grades 7-12  
 Grades 8-12  
 Health Science: Grades 6-12 -This assignment requires a bachelor’s degree.  
 Health Science Technology Education: Grades 8-12 - This assignment requires a bachelor’s degree.  
 Life Science:  
 Grades 6-12  
 Grades 8-12  
 Master Science Teacher (Grades 8-12)  
 Science:  
 Grades 7-12  
 Grades 8-12  
 Secondary:  
 Biology  
 Chemistry  
 Science  
 Science, Composite  
 Trade and Industrial Education:  
 Grades 6-12 – This assignment requires a bachelor’s degree and appropriate work approval  
 Grades 8-12 – This assignment requires a bachelor’s degree and appropriate work approval  
 Vocational Health Occupations - This assignment requires a bachelor’s degree.  
 Vocational Health Science Technology - This assignment requires a bachelor’s degree.  
 Vocational Trades and Industry – This assignment requires a bachelor’s degree and appropriate work approval

<sup>2</sup>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).

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>MANUFACTURING                      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                      Practicum in Manufacturing<sup>1</sup>                      Extended Practicum in Manufacturing<sup>1</sup></p>	<p>Mathematics/Physical Science/Engineering:                      Grades 6-12                      Grades 8-12                      Secondary:                      Industrial Arts                      Industrial Technology                      Technology Education: Grades 6-12                      Trade and Industrial Education:                      Grades 6-12 - This assignment requires appropriate work approval.                      Grades 8-12 - This assignment requires appropriate work approval.                      Vocational Trades and Industry - This assignment requires appropriate work approval.</p>
<p>Introduction to Welding                      Welding I                      Welding II                      Welding II Lab</p>	<p>Agriculture, Food, and Natural Resources: Grades 6-12                      Agricultural Science and Technology: Grades 6-12                      Any vocational agriculture certificate                      Secondary:                      Industrial Arts                      Industrial Technology                      Technology Education: Grades 6-12                      Trade and Industrial Education:                      Grades 6-12 - This assignment requires appropriate work approval.                      Grades 8-12 - This assignment requires appropriate work approval.                      Vocational Trades and Industry - This assignment requires appropriate work approval.</p>
<p><sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.</p>	
<p>Manufacturing Engineering Technology II<sup>2</sup>                      (Continued on next page)</p>	<p>Master Mathematics Teacher (Grades 8-12)                      Mathematics:                      Grades 7-12                      Grades 8-12                      Mathematics/Physical Science/Engineering:                      Grades 6-12                      Grades 8-12                      Physics/Mathematics:                      Grades 7-12                      Grades 8-12</p>

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
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Manufacturing Engineering Technology II <sup>2</sup> (Continued)	Secondary: Industrial Arts Industrial Arts Technology Secondary, Grades 6-12 or Grades 9-12: Mathematics Technology Education: Grades 6-12. Trade and Industrial Education: Grades 6-12 - This assignment requires a bachelor's degree and appropriate work approval. Trade and Industrial Education: Grades 8-12 - This assignment requires a bachelor's degree and appropriate work approval. Vocational Trades and Industry. This assignment requires a bachelor's degree and appropriate work approval.
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<sup>2</sup>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).

MARKETING Social Media Marketing Sports and Entertainment Marketing Advanced Marketing Practicum in Marketing <sup>1</sup> Extended Practicum in Marketing <sup>1</sup>	Any marketing or distributive education certificate Marketing: Grades 6-12 Marketing Education: Grades 8-12
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<sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.

Advertising	Any marketing or distributive education certificate Marketing: Grades 6-12 Marketing Education: Grades 8-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.
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Fashion Marketing	Any home economics or homemaking certificate Any marketing or distributive education certificate Family and Consumer Science, Composite: Grades 6-12 Marketing: Grades 6-12 Marketing Education: Grades 8-12
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<b>GRADES 9-12</b>	
<b>ASSIGNMENTS</b>	<b>CERTIFICATES</b>
Entrepreneurship	Any current vocational or career and technical education (CTE) classroom teaching certificate. See 19 TAC §233.13 and §233.14 for examples of current CTE certificates.
SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS Principles of Applied Engineering	Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any vocational agriculture certificate Health Science: Grades 6-12 Health Science Technology Education: Grades 8-12 Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Science, Technology, Engineering, and Mathematics: Grades 6-12 (TBD) Secondary: Industrial Arts Industrial Technology Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Health Occupations Vocational Health Science Technology Vocational Trades and Industry - This assignment requires appropriate work approval.
Principles of Biosciences	Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any vocational agriculture certificate Health Science: Grades 6-12 Health Science Technology Education: Grades 8-12 Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Science, Technology, Engineering, and Mathematics: Grades 6-12 (TBD) Secondary: Industrial Technology Industrial Arts Technology Education: Grades 6-12 Vocational Health Occupations Vocational Health Science Technology

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>Biotechnology I<sup>2</sup> Biotechnology II<sup>2</sup></p>	<p>Agriculture, Food, and Natural Resources: Grades 6-12                      Agricultural Science and Technology: Grades 6-12                      Any vocational agriculture certificate                      Health Science: Grades 6-12 -This assignment requires a bachelor’s degree.                      Health Science Technology Education: Grades 8-12 - This assignment requires a bachelor’s degree.                      Life Science:                          Grades 7-12                          Grades 8-12                      Master Science Teacher (Grades 8-12)                      Science:                          Grades 7-12                          Grades 8-12                      Science, Technology, Engineering, and Mathematics: Grades 6-12 (TBD)                      Secondary:                          Biology                          Secondary Science                          Secondary Science, Composite                      Vocational Health Occupations with a bachelor’s degree                      Vocational Health Science Technology with a bachelor’s degree</p>
<p>Engineering Design and Presentation I                      Engineering Design and Presentation II                      Practicum in Science, Technology,                          Engineering, and Mathematics<sup>1</sup>                      Extended Practicum in Science, Technology,                          Engineering, and Mathematics<sup>1</sup></p>	<p>Mathematics/Physical Science/Engineering:                          Grades 6-12                          Grades 8-12                      Science, Technology, Engineering, and Mathematics: Grades 6-12                      Secondary                          Industrial Arts                          Industrial Technology                      Technology Education: Grades 6-12                      Trade and Industrial Education:                          Grades 6-12 - This assignment requires appropriate work approval.                          Grades 8-12 - This assignment requires appropriate work approval.                      Vocational Trades and Industry - This assignment requires appropriate work approval.</p>
<p><sup>1</sup>The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.  <sup>2</sup>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 <a href="http://tea.texas.gov/cte">tea.texas.gov/cte</a>.</p>	

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>Engineering Mathematics<sup>2</sup> Robotics II<sup>2</sup></p>	<p>Master Mathematics Teacher (Grades 8-12)                      Mathematics:                          Grades 7-12                          Grades 8-12                      Mathematics/Physical Science/Engineering:                          Grades 6-12                          Grades 8-12                      Physics/Mathematics:                          Grades 7-12                          Grades 8-12                      Science, Technology, Engineering, and Mathematics: Grades 6-12 (TBD)                      Secondary:                          Mathematics                          Industrial Arts                          Industrial Technology                      Technology Education: Grades 6-12</p>
<p>AC/DC Electronics Solid State Electronics</p>	<p>Mathematics/Physical Science/Engineering:                          Grades 6-12                          Grades 8-12                      Science, Technology, Engineering, and Mathematics: Grades 6-12 (TBD)                      Secondary:                          Industrial Arts                          Industrial Technology                      Technology Education: Grades 6-12                      Trade and Industrial Education:                          Grades 6-12 - This assignment requires appropriate work approval.                          Grades 8-12 - This assignment requires appropriate work approval.                      Vocational Trades and Industry - This assignment requires appropriate work approval.</p>

<sup>2</sup>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).

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Principles of Technology <sup>2,3</sup>	Master Science Teacher (Grades 8-12) Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physical Science: Grades 6-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12 Science: Grades 7-12 Grades 8-12 Science, Technology, Engineering, and Mathematics: Grades 6-12 Secondary: Industrial Arts Industrial Technology Physics Science, Composite Technology Education: Grades 6-12
Engineering Design and Problem Solving <sup>2</sup> Principles of Engineering Science <sup>2</sup> (Continued on next page)	Master Science Teacher (Grades 8-12) Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physical Science: Grades 6-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12

<sup>2</sup> 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).

<sup>3</sup>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 1998-99 school year. Six semester credit hours of college physics, chemistry, or electricity/electronics may be substituted for the business and industry experience.

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
Engineering Design and Problem Solving <sup>2</sup> Principles of Engineering Science <sup>2</sup> (Continued)	Science: Grades 7-12 Grades 8-12 Science, Technology, Engineering, and Mathematics: Grades 6-12 Secondary: Industrial Arts Industrial Technology Physics Science Science, Composite Technology Education: Grades 6-12
Scientific Research and Design <sup>2</sup>	Any vocational or career and technical education (CTE) classroom teaching certificate with a bachelor's degree and 18 semester credit hours in any combination of sciences Any science certificate valid for the grade level Master Science Teacher (Grades 8-12) Science, Technology, Engineering, and Mathematics: Grades 6-12
Digital Electronics <sup>2</sup>	Master Mathematics Teacher (Grades 8-12) Mathematics/Physical Science/Engineering: Grades 6-12 Grades 8-12 Physics/Mathematics: Grades 7-12 Grades 8-12 Science, Technology, Engineering, and Mathematics: Grades 6-12 Secondary: Industrial Arts Industrial Technology Mathematics Technology Education: Grades 6-12

<sup>2</sup> 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).

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**GRADES 9-12**

ASSIGNMENTS	CERTIFICATES
<p>Robotics I</p>	<p>Mathematics/Physical Science/Engineering:                      Grades 6-12                      Grades 8-12                      Physics/Mathematics:                      Grades 7-12                      Grades 8-12                      Science, Technology, Engineering, and Mathematics: Grades 6-12                      Secondary                      Industrial Arts (Grades 6-12)                      Industrial Technology (Grades 6-12)                      Technology Applications:                      Early Childhood-Grade 12                      Grades 8-12                      Technology Education: Grades 6-12                      Trade and Industrial Education:                      Grades 6-12 - This assignment requires appropriate work approval.                      Grades 8-12 - This assignment requires appropriate work approval.                      Vocational Trades and Industry - This assignment requires appropriate work approval.</p>
<p>TRANSPORTATION, DISTRIBUTION,                      AND LOGISTICS</p> <p>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</p>	<p>Technology Education: Grades 6-12                      Trade and Industrial Education:                      Grades 6-12 - This assignment requires appropriate work approval.                      Grades 8-12 - This assignment requires appropriate work approval.                      Vocational Trades and Industry - This assignment requires appropriate work approval.</p>

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State Board for Educator Certification		19 TAC Chapter 231
GRADES 9-12		
ASSIGNMENTS	CERTIFICATES	
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 Management of Transportation Systems Practicum in Transportation Systems <sup>1</sup> Extended Practicum in Transportation Systems <sup>1</sup> Practicum in Distribution and Logistics <sup>1</sup> Extended Practicum in Distribution and Logistics <sup>1</sup>	Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.	
<sup>1</sup> The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.		
Small Engine Technology I Small Engine Technology II	Agriculture, Food, and Natural Resources: Grades 6-12 Agricultural Science and Technology: Grades 6-12 Any vocational agriculture certificate Secondary: Industrial Arts Industrial Technology Technology Education: Grades 6-12 Trade and Industrial Education: Grades 6-12 - This assignment requires appropriate work approval. Grades 8-12 - This assignment requires appropriate work approval. Vocational Trades and Industry - This assignment requires appropriate work approval.	

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**ASSIGNMENT OF PUBLIC SCHOOL PERSONNEL**

**PART III**

**REQUIREMENTS FOR ASSIGNMENT OF,  
SPECIAL EDUCATION RELATED SERVICES PERSONNEL**

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**SPECIAL EDUCATION RELATED SERVICES PERSONNEL**

TITLE	CERTIFICATES
<p>SPECIAL EDUCATION Special Education Teacher</p>	<p>Blind School (Texas State School for the Blind and Visually Impaired only) Deaf and Severely Hard of Hearing Deaf School (Texas State School for the Deaf only) Deaf-Blind Deficient Vision Early Childhood Education for Handicapped Children (Infants-Grade 6 only) Elementary - Generic Special Education Emotionally Disturbed Generic Special Education Hearing Impaired High School - Generic Special Education Language and/or Learning Disabilities Mentally Retarded Physically Handicapped School Speech-Language Pathologist Secondary Generic Special Education (Grades 6-12 only) Severely and Profoundly Handicapped Severely Emotionally Disturbed and Autistic Special Education Supplemental (valid at grade levels and in the subject areas of the base certificates) Special Education: Early Childhood-Grade 12 Speech and Hearing Therapy Speech and Language Therapy Teacher of Students with Visual Impairments Supplemental: Early Childhood-Grade 12 Teacher of the Deaf and Hard of Hearing: Early Childhood-Grade 12 Visually Handicapped</p>

These certificates are appropriate for special education assignment in Prekindergarten-Grade 12 except where otherwise noted.

**NOTES:**

If an individual is providing content instruction in a special education classroom setting, a valid certificate that matches the subject and grade level of the assignment is also required, or the individual must demonstrate competency through the state’s 2010 and 2011 high objective uniform State standard of evaluation for elementary and secondary special education teachers.

The employing school district should make every effort to secure educators trained in the specialized skills and knowledge needed to serve the special needs of the children. If a staff member does not have the skills and knowledge needed for the assignment, the school district will make provisions for the person to acquire the necessary skills and knowledge.

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**SPECIAL EDUCATION RELATED SERVICES PERSONNEL**

TITLE	CERTIFICATES
Teacher of Adaptive Physical Education	All-Level—Health and Physical Education All-Level—Physical Education Elementary Physical Education (Grades 1-8)—grades 1-8 only Grades 6-8—Physical Education(Grades 6-8 only) Physical Education: Early Childhood-Grade 12 Secondary Physical Education (Grades 6-12 only) Special education certificate plus the necessary skills and knowledge <sup>1</sup>
<p><sup>1</sup>Evidence of "necessary skills and knowledge" in adaptive physical education must be documented through in-service records, seminar attendance records, or transcripts of college courses.                      NOTE: Other licensed professionals may be eligible to provide adaptive physical education services to students with disabilities under the scope of practice of the specific license held.</p>	
Teacher of Orthopedically Impaired or Other Health Impaired in a Hospital Class or Home-Based Instruction (Full-time)	Special education certificate Teacher certificate plus: Three semester credit hour survey course in special education and three semester credit hour course related to teaching physically impaired or other health impaired students
Teacher of Students with Visual Impairments	Deficient Vision Visually Handicapped Teacher of Students with Visual Impairments Supplemental: Early Childhood-Grade 12
<p>NOTE: This teacher must be available to students with visual impairments.</p>	
Teacher of Students with Auditory Impairments	Deaf and Severely Hard of Hearing Hearing Impaired Teacher of the Deaf and Hard of Hearing: Early Childhood-Grade 12
<p>NOTE: This teacher must be available to students with auditory impairments.                       A teacher in an assignment for Teacher of Students with Auditory Impairments is not required to pass the Texas Assessment of Sign Communication (TASC) or the Texas Assessment of Sign Communication-American Sign Language (TASC-ASL) in order to be assigned to a classroom in which another communication method is used predominately. If this teacher completes certification requirements through a State Board for Educator Certification-approved educator preparation program in Texas, the program must have assessed proficiency in the communication method and verified it to be at an appropriate level.</p>	

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**SPECIAL EDUCATION RELATED SERVICES PERSONNEL**

TITLE	CERTIFICATES
Teacher of Gifted and Talented Students	Teacher certificate in an appropriate subject area and grade level of assignment Gifted and Talented Endorsement (not required for assignment) Gifted and Talented Supplemental (not required for assignment)
NOTE: In addition to the requirements specified in this subchapter, individuals assigned to a gifted and talented program must comply with the provisions of Chapter 89, Subchapter A of this title (relating to Gifted/Talented Education.)	
Special Education Counseling Services	Counselor School Counselor (Early Childhood-Grade 12) Special Education Counselor Special Education Visiting Teacher Vocational Counselor
Educational Diagnostician	Educational Diagnostician
NOTE: Individuals certified or licensed to practice in other professions may be eligible to provide counseling services or evaluation services for students with disabilities under the scope of practice of the specific license held.	
Speech Therapy Services	School Speech-Language Pathologist Speech and Hearing Therapy Speech and Language Therapy
NOTE: Individuals licensed by the State Board of Examiners for Speech Language Pathology and Audiology also may provide speech therapy services to eligible students under the scope of practice of the specific license held.	
Vocational Adjustment Coordinator	Special education certificate <sup>2</sup>

<sup>2</sup>Plus 60 clock-hours of training appropriate for the assignment.  
NOTE: Teachers will have three years from the date of assignment to complete the required training.

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**ASSIGNMENT OF PUBLIC SCHOOL PERSONNEL**

**PART IV**

**REQUIREMENTS FOR ASSIGNMENT OF ADMINISTRATORS,  
OTHER INSTRUCTIONAL AND PROFESSIONAL SUPPORT, AND  
PARAPROFESSIONAL PERSONNEL**

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**ADMINISTRATORS AND OTHER INSTRUCTIONAL PERSONNEL**

TITLE	CERTIFICATES	
EDUCATIONAL AIDE Educational Aide I	Performs routine tasks under the direction and supervision of a certified teacher or other professional personnel.	Educational Aide I, II, III or Valid Texas Classroom Teacher Certificate
Educational Aide II	Performs tasks under the general supervision of a certified teacher or other professional personnel.	Educational Aide II, III or Valid Texas Classroom Teacher Certificate
Educational Aide III	Performs and assumes responsibilities for tasks under the general guidance of a certified teacher or other professional personnel. Responsibilities may include relieving teacher of selected exercises and instructional drills with students.	Educational Aide III or Valid Texas Classroom Teacher Certificate
See §230.61 of this title (relating to Role Descriptions) for role descriptions of educational aides.		

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**ADMINISTRATORS AND OTHER INSTRUCTIONAL PERSONNEL**

TITLE	CERTIFICATES
Superintendent	Administrator Superintendent
Principal	Administrator Mid-Management Administrator Principal Superintendent
Assistant Principal	Administrator Assistant Principal Mid-Management Administrator Principal Superintendent
School Counselor	Counselor School Counselor (Early Childhood-Grade 12) Special Education Counselor Vocational Counselor
Librarian	Learning Resources Endorsement Learning Resources Specialist Librarian School Librarian (Early Childhood-Grade 12)
Athletic Director	Teacher certificate

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