

Out-of-Field Teaching for All Grade Levels and Subject Areas SY 2019-20

This report presents information regarding the amount and proportion of teaching that is conducted by teachers in assignments for which they are not certified (“out-of-field”), for the 2019-20 school year. The methodology behind this report has evolved to incorporate changes to statute and rule. While these changes are necessary for continuous improvement and to allow for the report to align with current rule, the resulting reports are not directly comparable across years. In particular, the determination of out-of-field and in-field status has been updated for middle school and high school teachers working with special education populations. More information about this issue is presented in footnote 6.

This table shows total teacher full-time-equivalents (FTEs), followed by in-field and out-of-field teacher results, aggregated to the assigned grade level and subject area. To determine in-field or out-of-field status, effective certificates were compared to assignments in accordance with Chapter 231 of the Texas Administrative Code. Certificates that are considered in-field only with additional coursework or a specified degree were considered out-of-field; certificates that are in-field only with work approval or verification of competency were considered in-field. Self-Contained, Core Subjects, Bilingual, and English as a Second Language certificates that are in-field for other subject areas, such as Mathematics and Social Studies, were considered in-field for those subject areas. Certificates were considered in-field for “High School (Grades 7-12)” or “High School (Grades 9-12)” only if they were in-field for all applicable grades. For example, certificates for Grades 9-12 are out-of-field for grades 7 and 8, and therefore were considered out-of-field for Grade 7-12 assignments. Except for Junior Reserve Officer Training Corps (JROTC), assignments designated as “Other” and “Not Applicable” were excluded from the analysis, because they do not require a particular certification. Self-Contained assignments at the High School level were also excluded. Finally, traditional districts and charters were included for the Bilingual/ESL and Special Education areas; for all other subject areas, only traditional districts were included.

Standard, provisional (lifetime), probationary, intern, one-year, and Visiting International Teacher certificates (see 19 TAC Chapter 230 Subchapter D) in a teaching certification area were included, while certificates in Professional certification areas were not. Permits also were excluded, excepting those in the JROTC field. Renewals and probationary extensions were included. Data were limited to certificates that were effective and unexpired on the PEIMS Snapshot Date, October 25, 2019, and renewals occurring between the PEIMS Snapshot Date and the last day of the school year.

Out-of-Field Data for All Grade Levels and Subject Areas SY 2019-20

Subject Area ¹	FTE	In-Field		Out of Field			
		Teachers	FTE	FTE Pct.	Teachers	FTE	FTE Pct.
<i>Elementary School (Grades EC-5) ^{1,2}</i>							
Bilingual / English as a Second Language ³	19,634.1	24,570	17,780.7	90.56	3,525	1,853.4	9.44
English Language Arts and Reading ⁴	18,819.5	62,308	18,451.7	98.05	1,421	367.8	1.95
Fine Arts	6,887.1	15,870	6,724.1	97.63	595	163.1	2.37
Languages Other Than English ⁵	709.6	278	103.9	14.65	2,604	605.7	85.35
Mathematics ⁴	21,548.7	64,172	21,143.1	98.12	1,442	405.6	1.88
Physical Education and Health ⁴	6,592.4	18,665	6,415.9	97.32	724	176.5	2.68
Reading	12,471.2	43,123	12,366.0	99.16	409	105.2	0.84
Science ⁴	13,434.8	61,645	13,188.7	98.17	1,343	246.0	1.83
Self-Contained	26,559.4	44,642	25,766.8	97.02	1,596	792.6	2.98
Social Studies ⁴	11,083.5	62,974	10,822.0	97.64	1,551	261.5	2.36
Special Education ⁶	14,265.5	15,010	12,679.6	88.88	4,322	1,585.9	11.12
Technology Applications	656.4	5,720	645.7	98.36	63	10.7	1.64
<i>Middle School (Grades 6-8) ^{1,7}</i>							
Bilingual / English as a Second Language ³	197.8	629	171.2	86.54	104	26.6	13.46
Career and Technical Education	990.8	1,258	776.7	78.39	594	214.1	21.61
English Language Arts and Reading	13,832.0	23,780	12,934.4	93.51	3,134	897.6	6.49
Fine Arts ⁸	7,306.0	10,159	7,012.8	95.99	948	293.2	4.01
Languages Other Than English ⁵	235.2	413	194.6	82.73	94	40.6	17.27
Mathematics	9,876.8	15,819	9,349.9	94.67	1,879	526.9	5.33
Physical Education and Health ⁸	5,698.7	12,987	4,970.5	87.22	3,064	728.1	12.78
Science ^{8,9}	8,252.7	12,575	7,867.6	95.33	1,425	385.1	4.67
Self-Contained ⁸	246.6	754	174.2	70.62	189	72.5	29.38
Social Studies ⁸	8,132.1	12,385	7,544.4	92.77	1,956	587.7	7.23
Special Education ¹⁰	7,258.1	7,927	4,758.0	65.55	7,640	2,500.2	34.45
Technology Applications / Computer Science ⁸	1,085.7	2,626	1,002.8	92.36	265	82.9	7.64
<i>High School (Grades 9-12) ^{1,7}</i>							
Bilingual / English as a Second Language ³	51.9	47	9.4	18.19	238	42.5	81.81
Career and Technical Education	13,520.5	17,233	11,071.7	81.89	6,373	2,448.8	18.11
English Language Arts and Reading	13,317.0	17,499	11,449.8	85.98	6,287	1,867.1	14.02
Fine Arts ⁸	7,948.2	9,797	7,583.6	95.41	1,672	364.6	4.59
Junior Reserve Officers' Training Corps	617.1	684	519.1	84.12	144	98.0	15.88
Languages Other Than English ⁵	6,185.1	6,668	5,646.0	91.28	1,505	539.1	8.72
Mathematics	12,123.0	13,454	10,551.7	87.04	4,298	1,571.3	12.96
Physical Education and Health ⁸	11,608.1	13,528	7,235.4	62.33	11,418	4,372.6	37.67
Science	9,591.7	15,864	8,705.3	90.76	4,250	886.4	9.24
Social Studies	10,385.9	18,107	9,308.5	89.63	5,729	1,077.5	10.37
Special Education ¹⁰	10,313.9	9,497	5,283.6	51.23	13,253	5,030.3	48.77
Technology Applications / Computer Science ⁸	371.3	921	292.9	78.90	349	78.3	21.10
<i>All Grade Levels ^{1,6}</i>							
Special Education ⁶	1,761.6	1,967	1,582.9	89.85	232	178.7	10.15
<i>Overall</i>							
All Assignments ¹¹	313,569.9	—	282,085.1	89.96	—	31,484.8	10.04

Out-of-Field Data for All Grade Levels and Subject Areas SY 2019-20

Notes

- ¹ The subject area or grade level of the teacher's assignment.
- ² Also includes Grades PK-6 and 1-6. Results for individual grades EE and PK were computed separately and combined into the grade level shown.
- ³ Courses showing Bilingual / English as a Second Language as the student population. If a subject area such as Science or Social Studies was also listed, certificates that were in-field for the population and subject area were counted as in-field. Supplemental certificates for which a grade level was not identified were counted as in-field or out-of-field based on their content.
- ⁴ At the Elementary School (EC-5) grade level, certificates in the Generalist area and in the subject area or subject of the assignment were counted as in-field for English Language Arts and Reading, Health, Mathematics, Science, and Social Studies.
- ⁵ Assignments for which a language was not specified were excluded, because in-field certificates could not be identified.
- ⁶ Also includes courses showing Special Education as the student population. This variable identifies the population for which a course was designed, and not necessarily the students' program eligibility. Each course has only one population code, even when two or more populations are served. Teachers were counted as in-field if certified for Adaptive PE, Hearing Impaired, Special Education, Speech Assessment, Speech Therapy, or Visually Impaired, as applicable. Supplemental Certificates for which a grade level was not identified were counted as in-field or out-of-field based on their content. Assignments showing the Special Education population and a content area, such as Science or Music, were counted as in-field only if they were certified for both the population and the content area. Many Special Education assignments showed All Grade Levels as their assignment grade level, but campus data indicated a more limited grade level. These assignments were recoded to match the campus data. For a small number of FTEs, the resulting grade levels differed from existing assignment grade levels. They were treated as follows: Grades 6-9 were grouped with Middle School (Grades 6-8), and Grades 6-12 and 8-9 with High School (Grades 7-12/9-12). Grades EE-8, PK-8, KG-7, and KG-8 remained in All Grade Levels, and Grades 6-10 and 6-11 were excluded from the results.
- ⁷ Results for the following grade levels were computed separately and combined into the grade level shown: individual Grades 6, 7, and 8 for Middle School (Grades 6-8); High School (Grades 7-12) for High School (Grades 9-12).
- ⁸ Because of differing certification requirements, results for the following assignments were computed separately and combined into the subject area shown: Dance and Theatre Arts, both in Fine Arts; Physical Education and Health in subject area Physical Education and Health; Technology Applications, Computer Science, and application and game development courses in subject area Technology Applications and Computer Science; and Grade 6 results in Science, Self-Contained, and Social Studies at the Middle School (Grades 6-8) level.
- ⁹ For Science assignments, all Elementary certificates that were appropriate for Grade 6 were counted as in-field for that grade level. The Mathematics certificate Mathematics/Science/ Engineering was counted as in-field for all Middle School grade levels (Grades 6, 7, & 8).
- ¹⁰ In our efforts toward continuous improvement, we made a slight change in the programming from that used in 2018-19 and in addition changes discussed in the first paragraph of this report and in note 6. This change makes these results not directly comparable to results from 2018-19.
- ¹¹ Results for all grade levels and subject areas.