

Out-of-Field Data for All Grade Levels and Subject Areas SY 2016-17

This table shows total teacher FTEs, followed by in-field and out-of-field teacher results, broken down by assigned grade level and subject area for Middle School and High School teachers. With the exception of Junior Reserve Officers' Training Corps (JROTC), assignments designated as Other and Not Applicable were not included in the analysis, because they do not require certification. Self-Contained assignments at the High School level also were not included. Standard, provisional (lifetime), probationary, one-year, and Visiting International Teacher certificates in a teaching certification area were included, while certificates in the Professional certification area were not. Permits also were not included, 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 and renewals occurring between the PEIMS Snapshot date and the last day of the school year.

Certificates that are considered in field only with additional coursework or a specified degree were counted as out of field; certificates that are in field only with work approval or verification of competency were counted as 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 counted as in field for those subject areas. Only certificates that are in field for each grade 7-12 or each grade 9-12, respectively, were counted as in field for High School (Grades 7-12) or High School (Grades 9-12). 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. 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.

Subject Area ¹	Total FTEs	In Field			Out of Field		
		Teachers	FTEs	Pct	Teachers	FTEs	Pct
<i>Elementary School (Grades EC-5) ^{1, 2}</i>							
Bilingual/English as a Second Language ³	17,418.4	23,134	16,322.8	93.71	2,494	1,095.6	6.29
English Language Arts ⁴	18,298.3	65,455	18,068.9	98.75	957	229.4	1.25
Fine Arts	7,202.8	19,128	7,073.2	98.20	410	129.5	1.80
Languages Other Than English ⁵	671.7	329	107.4	15.99	2,729	564.3	84.01
Mathematics ⁴	22,461.4	67,159	22,183.6	98.76	994	277.7	1.24
Physical Education and Health ⁴	6,747.5	20,204	6,603.5	97.87	548	144.0	2.13
Reading	14,269.1	50,281	14,195.0	99.48	260	74.1	0.52
Science ⁴	14,243.1	65,639	14,074.6	98.82	892	168.5	1.18
Self-Contained	25,783.4	40,606	25,154.1	97.56	1,182	629.3	2.44
Social Studies ⁴	11,890.0	66,613	11,715.5	98.53	1,034	174.5	1.47
Special Education ⁶	12,429.2	13,285	11,561.1	93.02	2,492	868.0	6.98
Technology Applications	714.5	5,502	702.1	98.27	41	12.4	1.73
<i>Middle School (Grades 6-8) ^{1, 7}</i>							
Bilingual/English as a Second Language ³	259.4	685	232.9	89.76	100	26.6	10.24
Career and Technical Education	932.9	1,327	811.2	86.95	327	121.7	13.05
English Language Arts and Reading	13,575.8	23,985	12,869.1	94.79	2,557	706.7	5.21
Fine Arts ⁷	6,562.0	9,329	6,380.1	97.23	660	181.9	2.77
Languages Other Than English ⁵	228.3	445	204.5	89.58	59	23.8	10.42
Mathematics	9,721.6	15,542	9,296.7	95.63	1,519	424.9	4.37
Physical Education and Health ⁸	5,553.7	13,013	4,986.8	89.79	2,458	566.9	10.21
Science ^{8, 9}	8,186.7	12,565	7,921.6	96.76	1,107	265.1	3.24
Self-Contained ⁸	292.0	926	227.9	78.04	244	64.1	21.96
Social Studies ⁸	8,033.1	12,256	7,548.0	93.96	1,696	485.2	6.04
Special Education ⁶	6,718.9	14,589	5,549.8	82.60	5,051	1,169.2	17.40
Technology Applications/Computer Science ⁸	1,074.7	2,711	1,028.6	95.71	162	46.1	4.29

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<i>High School (Grades 9-12) ^{1,7}</i>							
Bilingual/English as a Second Language ³	59.4	54	15.5	26.08	212	43.9	73.92
Career and Technical Education	13,769.5	17,439	12,230.9	88.83	4,447	1,538.6	11.17
English Language Arts and Reading	13,477.6	17,913	11,710.1	86.89	5,902	1,767.5	13.11
Fine Arts ⁷	7,459.0	9,403	7,193.0	96.43	1,278	266.0	3.57
Junior Reserve Officers' Training Corps	615.7	626	479.7	77.91	193	136.0	22.09
Languages Other Than English ⁵	6,272.8	6,987	5,909.6	94.21	1,234	363.2	5.79
Mathematics	12,148.0	13,503	10,712.6	88.18	4,127	1,435.3	11.82
Physical Education and Health ⁸	11,254.3	13,552	7,210.1	64.07	10,848	4,044.2	35.93
Science	11,730.0	19,564	10,918.0	93.08	3,953	812.0	6.92
Social Studies	10,155.8	18,119	9,284.6	91.42	4,743	871.1	8.58
Special Education ⁶	9,423.4	11,911	7,827.8	83.07	6,714	1,595.7	16.93
Technology Applications/Computer Science ⁸	455.3	1,111	381.4	83.76	330	73.9	16.24
<i>All Grade Levels ^{1,6}</i>							
Special Education ⁶	936.7	1,219	858.6	91.66	120	78.1	8.34
<i>Overall Results</i>							
<i>All Assignments Combined ¹⁰</i>	311,026.0	—	289,576.7	93.10	—	21,449.3	6.90

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 on the basis of 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, Health, Mathematics, Science, and Social Studies. ⁵ Assignments for which a language was not identified were excluded, because in-field certificates could not be identified. ⁶ Also includes courses showing Special Education as the student population. Teachers were counted as in field if certified for Adaptive PE, Auditorially 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 on the basis of their content. 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 were allowed to remain in All Grade Levels, and Grades 6-10 and 6-11 were excluded from the final 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 Results for all grade levels and subject areas shown.