

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
Assigned In-Field and Out-of-Field (AY 2001)**

<b>Middle School Mathematics Grade Seven</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	206.12	139.03	67.4%	67.10	32.6%	36.54	17.7%
2	52.54	36.48	69.4%	16.07	30.6%	4.61	8.8%
3	36.01	30.58	84.9%	5.43	15.1%	3.06	8.5%
4	516.36	330.93	64.1%	185.43	35.9%	87.04	16.9%
5	51.70	33.26	64.3%	18.44	35.7%	9.06	17.5%
6	104.24	68.63	65.8%	35.61	34.2%	12.62	12.1%
7	114.89	78.00	67.9%	36.89	32.1%	16.79	14.6%
8	36.25	27.25	75.2%	9.00	24.8%	0.08	0.2%
9	23.10	18.80	81.4%	4.30	18.6%	0.00	0.0%
10	398.59	227.88	57.2%	170.71	42.8%	74.48	18.7%
11	279.95	170.04	60.7%	109.91	39.3%	42.78	15.3%
12	84.79	56.25	66.3%	28.53	33.7%	13.01	15.3%
13	189.00	140.37	74.3%	48.63	25.7%	16.67	8.8%
14	33.23	25.46	76.6%	7.78	23.4%	3.76	11.3%
15	29.81	24.28	81.4%	5.53	18.6%	1.42	4.7%
16	53.26	40.19	75.5%	13.07	24.5%	2.55	4.8%
17	48.52	36.77	75.8%	11.75	24.2%	2.99	6.2%
18	50.89	36.89	72.5%	14.00	27.5%	8.85	17.4%
19	98.80	63.08	63.8%	35.72	36.2%	8.52	8.6%
20	241.95	178.43	73.7%	63.52	26.3%	21.38	8.8%
<b>Total</b>	<b>2649.99</b>	<b>1762.59</b>	<b>66.5%</b>	<b>887.40</b>	<b>33.5%</b>	<b>366.21</b>	<b>13.8%</b>

<b>Middle School Mathematics Grade Eight</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	154.08	106.16	68.9%	47.92	31.1%	25.66	16.7%
2	44.99	33.37	74.2%	11.62	25.8%	4.40	9.8%
3	28.36	24.35	85.9%	4.01	14.1%	0.56	2.0%
4	434.58	297.31	68.4%	137.27	31.6%	63.04	14.5%
5	48.47	41.20	85.0%	7.27	15.0%	4.06	8.4%
6	87.80	65.30	74.4%	22.50	25.6%	7.77	8.8%
7	90.74	68.90	75.9%	21.84	24.1%	10.45	11.5%
8	28.79	22.50	78.1%	6.30	21.9%	1.61	5.6%
9	15.69	13.85	88.2%	1.85	11.8%	0.00	0.0%
10	297.06	201.93	68.0%	95.13	32.0%	58.12	19.6%
11	216.14	159.01	73.6%	57.13	26.4%	28.29	13.1%
12	67.67	52.79	78.0%	14.88	22.0%	6.71	9.9%
13	152.63	126.81	83.1%	25.82	16.9%	12.42	8.1%
14	24.55	20.78	84.6%	3.77	15.4%	0.54	2.2%
15	23.91	19.59	81.9%	4.33	18.1%	0.80	3.3%
16	44.16	34.05	77.1%	10.11	22.9%	3.73	8.4%
17	36.10	27.19	75.3%	8.91	24.7%	2.03	5.6%
18	40.06	28.90	72.1%	11.16	27.9%	5.89	14.7%
19	78.21	51.88	66.3%	26.32	33.7%	6.97	8.9%
20	188.68	141.48	75.0%	47.20	25.0%	14.59	7.7%
<b>Total</b>	<b>2102.68</b>	<b>1537.34</b>	<b>73.1%</b>	<b>565.34</b>	<b>26.9%</b>	<b>257.62</b>	<b>12.3%</b>

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
Assigned In-Field and Out-of-Field (AY 2001)**

<b>Middle School Algebra I</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	47.12	38.16	81.0%	8.95	19.0%	4.24	9.0%
2	47.66	38.84	81.5%	8.82	18.5%	3.97	8.3%
3	9.30	7.27	78.2%	2.03	21.8%	0.13	1.4%
4	119.63	96.15	80.4%	23.48	19.6%	7.47	6.2%
5	7.22	6.74	93.4%	0.47	6.6%	0.33	4.5%
6	20.35	16.22	79.7%	4.13	20.3%	1.00	4.9%
7	29.39	25.45	86.6%	3.93	13.4%	0.71	2.4%
8	9.17	7.97	86.9%	1.20	13.1%	0.54	5.9%
9	6.74	6.07	90.1%	0.67	9.9%	0.00	0.0%
10	98.74	77.66	78.7%	21.08	21.3%	10.34	10.5%
11	76.32	64.70	84.8%	11.61	15.2%	4.92	6.4%
12	16.10	15.32	95.2%	0.78	4.8%	0.30	1.8%
13	46.05	40.25	87.4%	5.80	12.6%	2.01	4.4%
14	7.09	6.92	97.6%	0.17	2.4%	0.00	0.0%
15	16.28	13.55	83.2%	2.74	16.8%	2.05	12.6%
16	11.94	10.66	89.3%	1.28	10.7%	0.34	2.8%
17	24.44	21.09	86.3%	3.35	13.7%	1.83	7.5%
18	32.34	25.55	79.0%	6.79	21.0%	5.88	18.2%
19	17.05	15.97	93.7%	1.08	6.3%	0.90	5.3%
20	51.25	40.06	78.2%	11.20	21.8%	3.15	6.1%
<b>Total</b>	<b>694.18</b>	<b>574.61</b>	<b>82.8%</b>	<b>119.57</b>	<b>17.2%</b>	<b>50.09</b>	<b>7.2%</b>

<b>HighSchool Algebra I</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	138.78	108.53	78.2%	30.25	21.8%	21.43	15.4%
2	72.25	52.46	72.6%	19.79	27.4%	13.16	18.2%
3	48.68	40.00	82.2%	8.67	17.8%	3.60	7.4%
4	487.07	364.63	74.9%	122.44	25.1%	99.09	20.3%
5	51.08	36.77	72.0%	14.31	28.0%	9.90	19.4%
6	85.85	68.16	79.4%	17.69	20.6%	14.95	17.4%
7	116.71	97.92	83.9%	18.79	16.1%	13.47	11.5%
8	36.58	33.03	90.3%	3.55	9.7%	1.79	4.9%
9	26.04	21.50	82.6%	4.54	17.4%	3.66	14.0%
10	274.34	198.05	72.2%	76.29	27.8%	66.83	24.4%
11	238.15	182.40	76.6%	55.74	23.4%	46.59	19.6%
12	89.62	68.02	75.9%	21.61	24.1%	14.34	16.0%
13	180.21	151.26	83.9%	28.96	16.1%	23.59	13.1%
14	32.79	31.00	94.5%	1.79	5.5%	1.07	3.3%
15	30.93	26.13	84.5%	4.80	15.5%	2.78	9.0%
16	53.25	44.95	84.4%	8.30	15.6%	5.17	9.7%
17	42.56	35.12	82.5%	7.44	17.5%	4.19	9.8%
18	30.69	25.16	82.0%	5.53	18.0%	3.02	9.9%
19	107.63	87.38	81.2%	20.24	18.8%	15.11	14.0%
20	231.67	191.04	82.5%	40.63	17.5%	33.12	14.3%
<b>Total</b>	<b>2374.87</b>	<b>1863.50</b>	<b>78.5%</b>	<b>511.38</b>	<b>21.5%</b>	<b>396.87</b>	<b>16.7%</b>

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
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<b>High School Algebra I-4</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	90.63	70.49	77.8%	20.14	22.2%	17.99	19.9%
2	2.99	2.25	75.3%	0.74	24.7%	0.74	24.7%
3	0.97	0.50	51.0%	0.48	49.0%	0.14	14.7%
4	73.16	52.84	72.2%	20.32	27.8%	14.91	20.4%
5	5.60	4.30	76.7%	1.30	23.3%	0.74	13.3%
6	11.67	9.35	80.1%	2.32	19.9%	0.76	6.5%
7	5.24	4.80	91.5%	0.44	8.5%	0.29	5.5%
8	1.49	0.91	61.2%	0.58	38.8%	0.58	38.8%
9	3.47	2.75	79.1%	0.72	20.9%	0.18	5.2%
10	29.97	21.09	70.4%	8.88	29.6%	5.51	18.4%
11	26.52	20.11	75.8%	6.41	24.2%	5.88	22.2%
12	9.18	7.59	82.7%	1.59	17.3%	0.00	0.0%
13	10.92	8.72	79.9%	2.20	20.1%	0.91	8.3%
14	6.58	5.53	84.0%	1.05	16.0%	0.00	0.0%
15	2.17	1.64	75.7%	0.53	24.3%	0.44	20.5%
16	2.66	2.09	78.7%	0.57	21.3%	0.33	12.5%
17	3.65	3.45	94.5%	0.20	5.5%	0.04	1.1%
18	6.39	4.29	67.2%	2.09	32.8%	1.28	20.0%
19	8.00	6.45	80.6%	1.55	19.4%	1.50	18.8%
20	11.08	7.56	68.2%	3.53	31.8%	1.40	12.6%
<b>Total</b>	<b>312.34</b>	<b>236.71</b>	<b>75.8%</b>	<b>75.63</b>	<b>24.2%</b>	<b>53.63</b>	<b>17.2%</b>

<b>High School AP Statistics</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	1.84	1.84	100.0%	0.00	0.0%	0.00	0.0%
2	1.85	1.85	100.0%	0.00	0.0%	0.00	0.0%
3	0.17	0.17	100.0%	0.00	0.0%	0.00	0.0%
4	10.36	9.41	90.8%	0.95	9.2%	0.95	9.2%
5	1.07	1.07	100.0%	0.00	0.0%	0.00	0.0%
6	0.95	0.78	81.7%	0.17	18.3%	0.17	18.3%
7	1.54	1.54	100.0%	0.00	0.0%	0.00	0.0%
8	1.51	1.51	100.0%	0.00	0.0%	0.00	0.0%
9	1.18	1.18	100.0%	0.00	0.0%	0.00	0.0%
10	8.78	7.93	90.3%	0.85	9.7%	0.65	7.5%
11	7.66	7.46	97.4%	0.20	2.6%	0.00	0.0%
12	1.01	1.01	100.0%	0.00	0.0%	0.00	0.0%
13	5.86	5.38	91.7%	0.49	8.3%	0.19	3.2%
14	0.35	0.35	100.0%	0.00	0.0%	0.00	0.0%
15							
16	0.14	0.14	100.0%	0.00	0.0%	0.00	0.0%
17	0.79	0.79	100.0%	0.00	0.0%	0.00	0.0%
18	0.35	0.35	100.0%	0.00	0.0%	0.00	0.0%
19	2.10	1.97	94.0%	0.13	6.0%	0.13	6.0%
20	4.21	4.21	100.0%	0.00	0.0%	0.00	0.0%
<b>Total</b>	<b>51.73</b>	<b>48.94</b>	<b>94.6%</b>	<b>2.79</b>	<b>5.4%</b>	<b>2.09</b>	<b>4.0%</b>

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
Assigned In-Field and Out-of-Field (AY 2001)**

<b>High School Geometry</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	182.66	158.97	87.0%	23.69	13.0%	19.35	10.6%
2	66.47	54.56	82.1%	11.91	17.9%	9.19	13.8%
3	44.13	37.13	84.1%	7.00	15.9%	2.20	5.0%
4	472.58	391.55	82.9%	81.03	17.1%	65.86	13.9%
5	53.04	42.19	79.5%	10.85	20.5%	6.78	12.8%
6	85.34	72.78	85.3%	12.57	14.7%	9.49	11.1%
7	101.16	92.97	91.9%	8.19	8.1%	4.62	4.6%
8	44.34	41.49	93.6%	2.86	6.4%	2.03	4.6%
9	27.20	25.84	95.0%	1.36	5.0%	1.07	3.9%
10	307.46	249.42	81.1%	58.05	18.9%	47.59	15.5%
11	243.62	211.47	86.8%	32.16	13.2%	27.41	11.3%
12	76.06	68.09	89.5%	7.98	10.5%	5.86	7.7%
13	157.04	141.94	90.4%	15.10	9.6%	12.67	8.1%
14	34.22	32.86	96.0%	1.35	4.0%	1.04	3.0%
15	37.38	32.84	87.9%	4.53	12.1%	2.53	6.8%
16	61.44	54.96	89.4%	6.48	10.6%	4.91	8.0%
17	52.28	47.70	91.2%	4.59	8.8%	2.06	3.9%
18	43.21	37.14	86.0%	6.07	14.0%	4.82	11.2%
19	104.62	88.89	85.0%	15.73	15.0%	12.12	11.6%
20	197.88	175.32	88.6%	22.56	11.4%	18.57	9.4%
<b>Total</b>	<b>2392.15</b>	<b>2058.09</b>	<b>86.0%</b>	<b>334.06</b>	<b>14.0%</b>	<b>260.16</b>	<b>10.9%</b>

<b>High School Algebra II</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	130.44	116.82	89.6%	13.62	10.4%	11.41	8.7%
2	54.62	47.21	86.4%	7.41	13.6%	4.90	9.0%
3	29.82	27.80	93.2%	2.02	6.8%	1.16	3.9%
4	303.20	269.09	88.7%	34.11	11.3%	29.49	9.7%
5	35.61	31.31	87.9%	4.31	12.1%	3.30	9.3%
6	56.18	48.29	86.0%	7.89	14.0%	5.92	10.5%
7	72.20	68.28	94.6%	3.93	5.4%	3.42	4.7%
8	25.83	23.26	90.1%	2.56	9.9%	2.51	9.7%
9	21.53	19.64	91.2%	1.89	8.8%	1.13	5.3%
10	221.03	192.76	87.2%	28.27	12.8%	26.08	11.8%
11	165.81	148.76	89.7%	17.05	10.3%	13.84	8.3%
12	61.05	53.40	87.5%	7.64	12.5%	4.10	6.7%
13	111.40	103.70	93.1%	7.70	6.9%	6.92	6.2%
14	24.68	23.97	97.1%	0.71	2.9%	0.71	2.9%
15	25.00	23.52	94.1%	1.48	5.9%	1.23	4.9%
16	41.68	37.54	90.1%	4.14	9.9%	2.43	5.8%
17	40.14	36.84	91.8%	3.31	8.2%	2.35	5.9%
18	38.28	33.62	87.8%	4.66	12.2%	4.02	10.5%
19	80.07	70.82	88.4%	9.26	11.6%	7.29	9.1%
20	124.10	108.46	87.4%	15.64	12.6%	11.90	9.6%
<b>Total</b>	<b>1662.66</b>	<b>1485.07</b>	<b>89.3%</b>	<b>177.59</b>	<b>10.7%</b>	<b>144.12</b>	<b>8.7%</b>

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
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<b>High School Mathematics Models with Applications</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	56.31	48.47	86.1%	7.84	13.9%	5.67	10.1%
2	16.38	11.91	72.7%	4.47	27.3%	1.18	7.2%
3	12.55	9.93	79.1%	2.62	20.9%	1.03	8.2%
4	122.59	94.18	76.8%	28.41	23.2%	24.22	19.8%
5	14.07	11.19	79.5%	2.88	20.5%	1.82	13.0%
6	24.13	19.62	81.3%	4.52	18.7%	2.83	11.7%
7	31.34	26.52	84.6%	4.82	15.4%	2.37	7.6%
8	10.24	9.76	95.3%	0.48	4.7%	0.48	4.7%
9	9.26	7.51	81.1%	1.75	18.9%	0.71	7.6%
10	79.55	52.96	66.6%	26.58	33.4%	22.31	28.0%
11	49.64	39.41	79.4%	10.23	20.6%	7.19	14.5%
12	26.45	20.15	76.2%	6.29	23.8%	3.78	14.3%
13	41.08	32.40	78.9%	8.68	21.1%	7.06	17.2%
14	10.12	9.22	91.0%	0.91	9.0%	0.44	4.3%
15	11.32	9.47	83.6%	1.86	16.4%	1.09	9.6%
16	21.49	18.11	84.3%	3.38	15.7%	1.62	7.5%
17	16.97	14.03	82.7%	2.94	17.3%	0.96	5.7%
18	15.61	13.77	88.2%	1.84	11.8%	1.19	7.7%
19	13.45	10.57	78.6%	2.88	21.4%	1.68	12.5%
20	58.40	50.20	86.0%	8.20	14.0%	4.22	7.2%
<b>Total</b>	<b>640.95</b>	<b>509.39</b>	<b>79.5%</b>	<b>131.56</b>	<b>20.5%</b>	<b>91.84</b>	<b>14.3%</b>

<b>High School Pre-Calculus</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	49.44	47.83	96.8%	1.60	3.2%	1.60	3.2%
2	20.91	19.72	94.3%	1.19	5.7%	0.34	1.6%
3	14.49	14.08	97.1%	0.42	2.9%	0.42	2.9%
4	138.36	130.95	94.6%	7.41	5.4%	6.73	4.9%
5	12.07	10.97	90.9%	1.10	9.1%	0.50	4.1%
6	25.84	23.84	92.3%	2.00	7.7%	1.86	7.2%
7	34.54	32.34	93.6%	2.20	6.4%	1.71	5.0%
8	11.99	11.64	97.1%	0.35	2.9%	0.35	2.9%
9	10.47	10.47	100.0%	0.00	0.0%	0.00	0.0%
10	103.16	95.84	92.9%	7.31	7.1%	6.01	5.8%
11	75.97	73.40	96.6%	2.57	3.4%	1.92	2.5%
12	26.07	24.03	92.2%	2.04	7.8%	1.81	6.9%
13	54.19	52.43	96.7%	1.76	3.3%	1.74	3.2%
14	11.10	10.96	98.7%	0.14	1.3%	0.14	1.3%
15	11.69	11.02	94.3%	0.67	5.7%	0.67	5.7%
16	17.90	15.07	84.2%	2.83	15.8%	1.79	10.0%
17	16.15	15.53	96.1%	0.63	3.9%	0.13	0.8%
18	13.81	13.62	98.6%	0.19	1.4%	0.19	1.4%
19	30.86	29.71	96.3%	1.15	3.7%	1.13	3.7%
20	53.31	49.56	93.0%	3.75	7.0%	2.55	4.8%
<b>Total</b>	<b>732.32</b>	<b>693.01</b>	<b>94.6%</b>	<b>39.31</b>	<b>5.4%</b>	<b>31.60</b>	<b>4.3%</b>

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
Assigned In-Field and Out-of-Field (AY 2001)**

<b>High School AP Calculus AB</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	18.55	18.39	99.1%	0.16	0.9%	0.00	0.0%
2	7.98	7.58	95.1%	0.39	4.9%	0.00	0.0%
3	6.05	5.64	93.2%	0.41	6.8%	0.24	4.0%
4	39.43	37.30	94.6%	2.12	5.4%	2.12	5.4%
5	4.25	4.01	94.3%	0.24	5.7%	0.24	5.7%
6	9.33	8.48	90.9%	0.85	9.1%	0.85	9.1%
7	9.63	8.93	92.8%	0.70	7.2%	0.70	7.2%
8	4.86	4.86	100.0%	0.00	0.0%	0.00	0.0%
9	3.03	3.03	100.0%	0.00	0.0%	0.00	0.0%
10	30.26	28.25	93.4%	2.01	6.6%	1.97	6.5%
11	20.80	19.86	95.5%	0.94	4.5%	0.34	1.6%
12	9.81	9.47	96.5%	0.34	3.5%	0.34	3.5%
13	15.99	14.54	90.9%	1.45	9.1%	1.45	9.1%
14	5.54	5.54	100.0%	0.00	0.0%	0.00	0.0%
15	3.70	3.55	96.0%	0.15	4.0%	0.15	4.0%
16	5.94	5.49	92.5%	0.44	7.5%	0.44	7.5%
17	8.19	8.15	99.5%	0.04	0.5%	0.00	0.0%
18	2.98	2.98	100.0%	0.00	0.0%	0.00	0.0%
19	6.45	6.45	100.0%	0.00	0.0%	0.00	0.0%
20	15.30	15.06	98.4%	0.24	1.6%	0.24	1.6%
<b>Total</b>	<b>228.05</b>	<b>217.56</b>	<b>95.4%</b>	<b>10.49</b>	<b>4.6%</b>	<b>9.09</b>	<b>4.0%</b>

<b>High School AP Calculus BC</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
1	0.86	0.86	100.0%	0.00	0.0%	0.00	0.0%
2	0.60	0.20	33.3%	0.40	66.7%	0.00	0.0%
3							
4	13.54	13.52	99.8%	0.02	0.2%	0.02	0.2%
5	0.41	0.41	100.0%	0.00	0.0%	0.00	0.0%
6	2.68	2.68	100.0%	0.00	0.0%	0.00	0.0%
7	0.17	0.17	100.0%	0.00	0.0%	0.00	0.0%
8	0.16	0.16	100.0%	0.00	0.0%	0.00	0.0%
9	8.68	8.51	98.0%	0.17	2.0%	0.17	2.0%
10							
11	3.86	3.86	100.0%	0.00	0.0%	0.00	0.0%
12							
13	4.06	3.67	90.6%	0.38	9.4%	0.38	9.4%
14							
15	0.44	0.44	100.0%	0.00	0.0%	0.00	0.0%
16							
17	0.16	0.16	100.0%	0.00	0.0%	0.00	0.0%
18	0.65	0.65	100.0%	0.00	0.0%	0.00	0.0%
19	0.25	0.25	100.0%	0.00	0.0%	0.00	0.0%
20	2.81	2.81	100.0%	0.00	0.0%	0.00	0.0%
<b>Total</b>	<b>39.34</b>	<b>38.36</b>	<b>97.5%</b>	<b>0.98</b>	<b>2.5%</b>	<b>0.58</b>	<b>1.5%</b>

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
Assigned In-Field and Out-of-Field (AY 2001)**

<b>Middle School Science Grade Eight</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
		1	164.59	118.53	72.0%	46.06	28.0%
2	66.49	52.03	78.3%	14.46	21.7%	7.81	11.8%
3	33.25	21.39	64.3%	11.86	35.7%	1.78	5.4%
4	457.02	317.15	69.4%	139.87	30.6%	92.47	20.2%
5	45.99	31.53	68.5%	14.47	31.5%	8.40	18.3%
6	81.94	55.22	67.4%	26.72	32.6%	9.58	11.7%
7	92.93	69.86	75.2%	23.07	24.8%	6.20	6.7%
8	32.78	20.46	62.4%	12.32	37.6%	1.36	4.2%
9	20.01	16.17	80.8%	3.84	19.2%	1.46	7.3%
10	345.21	213.79	61.9%	131.43	38.1%	81.04	23.5%
11	236.55	172.92	73.1%	63.63	26.9%	34.53	14.6%
12	75.61	48.50	64.1%	27.11	35.9%	16.23	21.5%
13	150.72	123.59	82.0%	27.13	18.0%	16.35	10.8%
14	27.26	25.49	93.5%	1.78	6.5%	0.60	2.2%
15	28.39	23.08	81.3%	5.31	18.7%	3.94	13.9%
16	46.78	38.83	83.0%	7.95	17.0%	5.27	11.3%
17	42.71	33.10	77.5%	9.61	22.5%	2.99	7.0%
18	47.08	39.49	83.9%	7.59	16.1%	5.22	11.1%
19	78.31	56.85	72.6%	21.45	27.4%	6.75	8.6%
20	197.90	165.69	83.7%	32.21	16.3%	14.57	7.4%
<b>Total</b>	<b>2271.51</b>	<b>1643.66</b>	<b>72.4%</b>	<b>627.85</b>	<b>27.6%</b>	<b>348.18</b>	<b>15.3%</b>

<b>Middle School Science Grade Eight</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
		1	159.45	121.97	76.5%	37.48	23.5%
2	63.16	55.12	87.3%	8.04	12.7%	3.35	5.3%
3	32.61	26.71	81.9%	5.91	18.1%	2.02	6.2%
4	404.17	296.15	73.3%	108.02	26.7%	60.51	15.0%
5	44.47	39.36	88.5%	5.11	11.5%	3.51	7.9%
6	76.36	59.73	78.2%	16.63	21.8%	9.69	12.7%
7	89.13	73.15	82.1%	15.98	17.9%	4.58	5.1%
8	31.96	23.77	74.4%	8.19	25.6%	1.00	3.1%
9	19.98	17.77	89.0%	2.20	11.0%	0.00	0.0%
10	316.09	225.23	71.3%	90.86	28.7%	63.15	20.0%
11	224.44	171.89	76.6%	52.54	23.4%	33.73	15.0%
12	74.57	59.78	80.2%	14.79	19.8%	10.31	13.8%
13	148.82	122.85	82.5%	25.97	17.5%	15.10	10.1%
14	26.96	25.19	93.4%	1.77	6.6%	0.86	3.2%
15	26.22	24.57	93.7%	1.65	6.3%	1.33	5.1%
16	46.73	37.97	81.3%	8.76	18.7%	4.37	9.4%
17	39.37	33.04	83.9%	6.33	16.1%	4.18	10.6%
18	41.75	33.76	80.9%	7.99	19.1%	4.57	10.9%
19	75.68	53.70	71.0%	21.97	29.0%	10.15	13.4%
20	195.82	160.64	82.0%	35.18	18.0%	17.77	9.1%
<b>Total</b>	<b>2137.73</b>	<b>1662.35</b>	<b>77.8%</b>	<b>475.38</b>	<b>22.2%</b>	<b>275.52</b>	<b>12.9%</b>

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
Assigned In-Field and Out-of-Field (AY 2001)**

<b>High School Biology</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
		1	205.34	172.17	83.8%	33.17	16.2%
2	82.61	68.88	83.4%	13.73	16.6%	9.02	10.9%
3	42.74	35.41	82.8%	7.33	17.2%	4.85	11.4%
4	459.71	363.58	79.1%	96.13	20.9%	72.70	15.8%
5	56.68	42.55	75.1%	14.13	24.9%	11.79	20.8%
6	91.56	73.83	80.6%	17.73	19.4%	12.64	13.8%
7	112.93	90.31	80.0%	22.61	20.0%	15.06	13.3%
8	38.39	33.17	86.4%	5.22	13.6%	1.18	3.1%
9	30.89	25.37	82.2%	5.51	17.8%	4.02	13.0%
10	329.79	246.30	74.7%	83.49	25.3%	70.43	21.4%
11	251.30	202.11	80.4%	49.19	19.6%	37.93	15.1%
12	93.30	77.38	82.9%	15.92	17.1%	9.57	10.3%
13	175.60	153.53	87.4%	22.07	12.6%	13.97	8.0%
14	35.80	30.94	86.4%	4.87	13.6%	2.24	6.3%
15	36.50	35.04	96.0%	1.46	4.0%	0.54	1.5%
16	63.04	55.19	87.6%	7.84	12.4%	4.40	7.0%
17	52.76	45.78	86.8%	6.98	13.2%	4.33	8.2%
18	46.22	41.12	89.0%	5.10	11.0%	4.05	8.8%
19	92.32	78.99	85.6%	13.33	14.4%	6.92	7.5%
20	193.78	165.29	85.3%	28.49	14.7%	21.39	11.0%
<b>Total</b>	<b>2491.24</b>	<b>2036.94</b>	<b>81.8%</b>	<b>454.30</b>	<b>18.2%</b>	<b>329.66</b>	<b>13.2%</b>

<b>High School Integrated Physics/Chemistry</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
		1	125.51	72.09	57.4%	53.43	42.6%
2	49.38	27.72	56.1%	21.66	43.9%	7.00	14.2%
3	42.88	24.09	56.2%	18.79	43.8%	5.28	12.3%
4	434.68	271.22	62.4%	163.46	37.6%	98.47	22.7%
5	47.37	24.93	52.6%	22.44	47.4%	7.20	15.2%
6	80.08	42.58	53.2%	37.51	46.8%	16.09	20.1%
7	94.42	58.15	61.6%	36.27	38.4%	12.82	13.6%
8	36.13	21.48	59.5%	14.64	40.5%	4.30	11.9%
9	23.53	11.72	49.8%	11.81	50.2%	3.16	13.4%
10	226.17	112.20	49.6%	113.96	50.4%	71.40	31.6%
11	179.29	101.52	56.6%	77.77	43.4%	39.34	21.9%
12	80.33	45.12	56.2%	35.21	43.8%	12.27	15.3%
13	134.35	90.82	67.6%	43.53	32.4%	12.23	9.1%
14	27.57	20.22	73.4%	7.35	26.6%	1.46	5.3%
15	26.77	16.32	61.0%	10.45	39.0%	1.96	7.3%
16	42.09	31.59	75.1%	10.49	24.9%	2.01	4.8%
17	36.47	17.61	48.3%	18.86	51.7%	5.81	15.9%
18	28.98	15.06	52.0%	13.92	48.0%	5.29	18.3%
19	87.52	51.01	58.3%	36.51	41.7%	16.18	18.5%
20	152.03	97.18	63.9%	54.85	36.1%	22.74	15.0%
<b>Total</b>	<b>1955.55</b>	<b>1152.65</b>	<b>58.9%</b>	<b>802.90</b>	<b>41.1%</b>	<b>371.88</b>	<b>19.0%</b>



**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
Assigned In-Field and Out-of-Field (AY 2001)**

<b>High School Physics</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
		1	54.71	32.40	59.2%	22.31	40.8%
2	19.64	10.31	52.5%	9.33	47.5%	2.62	13.3%
3	7.51	2.70	36.0%	4.81	64.0%	1.61	21.4%
4	118.98	59.65	50.1%	59.33	49.9%	15.56	13.1%
5	8.25	5.74	69.6%	2.50	30.4%	0.49	6.0%
6	23.68	13.09	55.3%	10.59	44.7%	4.47	18.9%
7	25.57	11.69	45.7%	13.88	54.3%	0.52	2.1%
8	8.38	4.28	51.1%	4.10	48.9%	1.21	14.4%
9	8.05	3.67	45.6%	4.38	54.4%	1.65	20.4%
10	89.76	42.85	47.7%	46.90	52.3%	12.75	14.2%
11	71.83	44.94	62.6%	26.88	37.4%	6.07	8.5%
12	19.19	10.14	52.9%	9.04	47.1%	2.09	10.9%
13	43.88	22.57	51.4%	21.31	48.6%	2.48	5.7%
14	12.22	7.83	64.0%	4.40	36.0%	0.49	4.0%
15	9.38	4.80	51.2%	4.58	48.8%	0.35	3.7%
16	15.48	11.44	73.9%	4.04	26.1%	1.17	7.6%
17	11.42	9.19	80.5%	2.23	19.5%	0.76	6.7%
18	10.97	8.44	77.0%	2.53	23.0%	1.09	10.0%
19	18.06	10.68	59.1%	7.38	40.9%	1.83	10.1%
20	57.42	32.21	56.1%	25.20	43.9%	6.35	11.1%
<b>Total</b>	<b>634.37</b>	<b>348.65</b>	<b>55.0%</b>	<b>285.73</b>	<b>45.0%</b>	<b>74.27</b>	<b>11.7%</b>

<b>High School AP Physics B</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
		1	4.19	1.66	39.7%	2.53	60.3%
2	1.23	0.37	29.8%	0.86	70.2%	0.00	0.0%
3	0.67	0.18	27.1%	0.49	72.9%	0.23	34.9%
4	9.54	4.44	46.5%	5.10	53.5%	0.59	6.2%
5	3.23	2.11	65.5%	1.11	34.5%	0.00	0.0%
6	1.25	0.90	72.1%	0.35	27.9%	0.19	14.8%
7	1.81	1.21	67.0%	0.60	33.0%	0.00	0.0%
8	0.22	0.08	36.0%	0.14	64.0%	0.00	0.0%
9	1.08	0.59	55.0%	0.49	45.0%	0.40	36.6%
10	9.40	4.31	45.8%	5.09	54.2%	1.64	17.5%
11	5.05	1.50	29.8%	3.54	70.2%	0.33	6.5%
12	2.17	1.06	48.7%	1.11	51.3%	0.54	24.7%
13	4.04	1.91	47.4%	2.13	52.6%	0.38	9.4%
14	0.72	0.24	33.4%	0.48	66.6%	0.00	0.0%
15	0.36	0.14	40.1%	0.21	59.9%	0.00	0.0%
16	1.94	1.27	65.5%	0.67	34.5%	0.38	19.8%
17	1.72	1.37	79.2%	0.36	20.8%	0.00	0.0%
18	0.63	0.47	74.4%	0.16	25.6%	0.00	0.0%
19	1.49	1.07	72.2%	0.41	27.8%	0.00	0.0%
20	1.92	0.52	27.1%	1.40	72.9%	0.15	7.8%
<b>Total</b>	<b>52.66</b>	<b>25.42</b>	<b>48.3%</b>	<b>27.24</b>	<b>51.7%</b>	<b>6.03</b>	<b>11.5%</b>

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
Assigned In-Field and Out-of-Field (AY 2001)**

<b>High School AP Physics C</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
		1	1.48	0.69	46.7%	0.79	53.3%
2	0.34	0.00	0.0%	0.34	100.0%	0.00	0.0%
3							
4	3.97	2.35	59.3%	1.62	40.7%	0.00	0.0%
5							
6	0.75	0.31	41.2%	0.44	58.8%	0.00	0.0%
7	0.33	0.00	0.0%	0.33	100.0%	0.00	0.0%
8							
9							
10	4.96	1.23	24.7%	3.74	75.3%	0.24	4.9%
11	1.53	0.46	29.8%	1.07	70.2%	0.00	0.0%
12	0.35	0.14	39.4%	0.21	60.6%	0.00	0.0%
13	2.40	0.87	36.1%	1.54	63.9%	0.33	13.6%
14	0.44	0.44	100.0%	0.00	0.0%	0.00	0.0%
15	0.15	0.00	0.0%	0.15	100.0%	0.00	0.0%
16	0.68	0.31	46.3%	0.37	53.7%	0.22	31.7%
17	0.04	0.04	100.0%	0.00	0.0%	0.00	0.0%
18	0.32	0.32	100.0%	0.00	0.0%	0.00	0.0%
19	1.02	0.50	48.8%	0.52	51.2%	0.17	16.3%
20	2.29	0.83	36.2%	1.46	63.8%	0.22	9.4%
<b>Total</b>	<b>21.08</b>	<b>8.50</b>	<b>40.3%</b>	<b>12.59</b>	<b>59.7%</b>	<b>1.17</b>	<b>5.5%</b>

<b>High School Chemistry</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
		1	122.33	84.19	68.8%	38.14	31.2%
2	43.18	33.64	77.9%	9.54	22.1%	4.50	10.4%
3	22.98	17.03	74.1%	5.95	25.9%	2.19	9.5%
4	259.93	207.58	79.9%	52.36	20.1%	35.59	13.7%
5	29.12	23.23	79.8%	5.89	20.2%	5.73	19.7%
6	53.35	39.72	74.5%	13.63	25.5%	10.55	19.8%
7	57.34	42.44	74.0%	14.90	26.0%	7.52	13.1%
8	19.22	15.27	79.5%	3.95	20.5%	2.61	13.6%
9	20.44	16.88	82.6%	3.56	17.4%	2.19	10.7%
10	190.93	150.59	78.9%	40.34	21.1%	32.95	17.3%
11	148.88	125.11	84.0%	23.77	16.0%	14.12	9.5%
12	47.68	38.91	81.6%	8.77	18.4%	5.90	12.4%
13	98.49	88.79	90.2%	9.70	9.8%	6.07	6.2%
14	24.52	20.93	85.4%	3.59	14.6%	1.00	4.1%
15	25.17	22.61	89.8%	2.57	10.2%	0.49	1.9%
16	35.20	31.42	89.3%	3.78	10.7%	2.42	6.9%
17	30.52	25.01	82.0%	5.50	18.0%	3.29	10.8%
18	30.12	22.57	74.9%	7.55	25.1%	2.09	6.9%
19	72.64	60.12	82.8%	12.52	17.2%	8.27	11.4%
20	117.25	99.17	84.6%	18.08	15.4%	14.37	12.3%
<b>Total</b>	<b>1449.29</b>	<b>1165.21</b>	<b>80.4%</b>	<b>284.08</b>	<b>19.6%</b>	<b>184.40</b>	<b>12.7%</b>

**Analysis of Mathematics and Science Teacher Full-Time Equivalents (FTEs)  
Assigned In-Field and Out-of-Field (AY 2001)**

<b>High School AP Chemistry</b>							
Region Service Center	Number of Teacher FTEs	Teacher FTEs In-Field		Teacher FTEs Out-of-Field		Teacher FTEs without Certification	
		#	%	#	%	#	%
		1	6.64	5.82	87.7%	0.82	12.3%
2	3.72	3.55	95.5%	0.17	4.5%	0.17	4.5%
3	2.41	2.25	93.4%	0.16	6.6%	0.00	0.0%
4	18.44	17.36	94.2%	1.07	5.8%	0.41	2.2%
5	3.59	2.78	77.5%	0.81	22.5%	0.81	22.5%
6	3.21	2.52	78.5%	0.69	21.5%	0.69	21.5%
7	4.19	3.79	90.5%	0.40	9.5%	0.40	9.5%
8	3.24	2.74	84.5%	0.50	15.5%	0.50	15.5%
9	0.96	0.96	100.0%	0.00	0.0%	0.00	0.0%
10	13.58	12.48	91.9%	1.09	8.1%	1.09	8.1%
11	11.72	11.13	95.0%	0.59	5.0%	0.31	2.7%
12	4.98	4.17	83.7%	0.81	16.3%	0.67	13.4%
13	7.26	6.63	91.4%	0.63	8.6%	0.63	8.6%
14	1.49	1.34	90.1%	0.15	9.9%	0.00	0.0%
15	2.19	2.19	100.0%	0.00	0.0%	0.00	0.0%
16	3.40	3.08	90.6%	0.32	9.4%	0.16	4.7%
17	2.53	2.21	87.2%	0.32	12.8%	0.17	6.6%
18	2.10	1.97	93.9%	0.13	6.1%	0.00	0.0%
19	3.04	3.04	100.0%	0.00	0.0%	0.00	0.0%
20	6.33	5.84	92.2%	0.49	7.8%	0.49	7.8%
<b>Total</b>	<b>105.00</b>	<b>95.86</b>	<b>91.3%</b>	<b>9.14</b>	<b>8.7%</b>	<b>7.31</b>	<b>7.0%</b>