

## Math and Science Teacher Demographics 2002-2011

The tables below present the number and percentage of candidates who received initial Mathematics and Science certifications over ten fiscal years, broken down by gender and by race or ethnicity. Only candidates obtaining standard and lifetime certifications are included.

**Definitions.** An initial teaching certificate is a standard or lifetime teaching certificate issued in a particular fiscal year to a teacher who was not issued a standard or lifetime teaching certificate in any previous fiscal year. A standard certificate is a certificate offered since 1998-99 that is renewed every five years. A lifetime certificate is a certificate offered before 1998-99 that did not require renewal.

### Results for Mathematics

Mathematics teachers remained predominantly female and white in fiscal year 2010-11, despite substantial changes over time:

- The percentage of male Mathematics teachers increased over time, eventually approaching 40%.
- The percentage of white Mathematics teachers declined through fiscal year 2007-08, and then appeared to level off.
- Conversely, results increased for Hispanic/Latino teachers until they leveled off as well.
- In recent fiscal years, results for Asian teachers have approached those for black/African American teachers.

Year	Total	Female		Male		Black/African American		White		Hispanic/Latino		Asian		Am. Indian/ Alaska Nat.		Native Hawaiian		Two or More Ethnicities		Other	
		Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.
2010-11	2,208	1,397	63.3	811	36.7	175	7.9	1,416	64.1	425	19.2	141	6.4	9	0.4	2	0.1	23	1.0	17	0.8
2009-10	2,317	1,419	61.2	898	38.8	202	8.7	1,473	63.6	423	18.3	165	7.1	7	0.3	1	0.0	13	0.6	33	1.4
2008-09	1,948	1,235	63.4	713	36.6	158	8.1	1,242	63.8	386	19.8	127	6.5	6	0.3	0	0.0	4	0.2	25	1.3
2007-08	1,955	1,267	64.8	688	35.2	152	7.8	1,246	63.7	413	21.1	106	5.4	7	0.4	1	0.1	5	0.3	25	1.3
2006-07	1,930	1,293	67.0	637	33.0	171	8.9	1,261	65.3	344	17.8	115	6.0	12	0.6	0	0.0	10	0.5	17	0.9
2005-06	1,915	1,290	67.4	625	32.6	166	8.7	1,262	65.9	330	17.2	117	6.1	12	0.6	0	0.0	17	0.9	11	0.6
2004-05	1,801	1,207	67.0	594	33.0	146	8.1	1,265	70.2	271	15.0	95	5.3	5	0.3	1	0.1	3	0.2	15	0.8
2003-04	1,742	1,146	65.8	596	34.2	151	8.7	1,110	63.7	304	17.5	141	8.1	17	1.0	0	0.0	4	0.2	15	0.9
2002-03	2,210	1,613	73.0	597	27.0	182	8.2	1,565	70.8	326	14.8	95	4.3	16	0.7	0	0.0	9	0.4	17	0.8
2001-02	1,925	1,521	79.0	404	21.0	129	6.7	1,434	74.5	290	15.1	44	2.3	14	0.7	0	0.0	6	0.3	7	0.4

Note. The total for 2001-02 includes 2 teachers (0.1%) whose ethnicities were not specified.

(Continued on next page)

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### Results for Science

Like Mathematics teachers, Science teachers remained largely female and white in fiscal year 2010-11, in spite of changes over time:

- The percentage of female Science teachers appeared to peak somewhat in the earliest fiscal years.
- The percentage of white Science teachers declined through fiscal year 2007-08, and then leveled off or increased somewhat.
- Conversely, results increased for Hispanic/Latino and Asian teachers, but those for Hispanic/Latino teachers appeared to level off.
- Results for black/African American teachers reached a peak in about fiscal years 2006-07 and 2007-08.

Year	Total	Female		Male		Black/African American		White		Hispanic/Latino		Asian		Am. Indian/ Alaska Nat.		Native Hawaiian		Two or More Ethnicities		Other	
		Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.
		2010-11	1,698	1,109	65.3	589	34.7	136	8.0	1,086	64.0	321	18.9	112	6.6	9	0.5	4	0.2	19	1.1
2009-10	1,758	1,141	64.9	617	35.1	142	8.1	1,125	64.0	328	18.7	108	6.1	6	0.3	0	0.0	16	0.9	33	1.9
2008-09	1,741	1,195	68.6	546	31.4	167	9.6	1,080	62.0	343	19.7	86	4.9	17	1.0	0	0.0	13	0.7	35	2.0
2007-08	1,860	1,274	68.5	586	31.5	199	10.7	1,160	62.4	360	19.4	84	4.5	11	0.6	0	0.0	8	0.4	38	2.0
2006-07	1,564	1,084	69.3	480	30.7	164	10.5	1,031	65.9	260	16.6	74	4.7	8	0.5	0	0.0	7	0.4	20	1.3
2005-06	1,464	1,003	68.5	461	31.5	126	8.6	969	66.2	255	17.4	73	5.0	11	0.8	1	0.1	19	1.3	10	0.7
2004-05	1,316	900	68.4	416	31.6	85	6.5	909	69.1	222	16.9	74	5.6	8	0.6	0	0.0	3	0.2	15	1.1
2003-04	1,326	864	65.2	462	34.8	104	7.8	911	68.7	180	13.6	101	7.6	12	0.9	0	0.0	5	0.4	13	1.0
2002-03	1,785	1,245	69.7	540	30.3	138	7.7	1,275	71.4	238	13.3	91	5.1	23	1.3	0	0.0	5	0.3	15	0.8
2001-02	1,479	1,091	73.8	388	26.2	124	8.4	1,072	72.5	214	14.5	41	2.8	15	1.0	1	0.1	6	0.4	5	0.3

*Note.* The total for 2001-02 includes an additional teacher (0.1%) whose ethnicity was not specified.

*Summary of methodology.* Ten tables were extracted containing identification numbers, genders, and races or ethnicities of all individuals obtaining an initial standard or lifetime Mathematics teaching certificate for fiscal years 2002 through 2011. For each fiscal year, the total number of teachers was obtained, together with a sum for each gender and race or ethnicity. Each sum was taken as a percentage of the total, and all sums and percentages were combined into one table. Finally, this process was repeated to obtain the Science results.