

Mathematics and Science Teacher Demographics 2007-2016

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

Definitions. An initial teaching certificate is a standard or lifetime teaching certificate issued in a particular academic year to a teacher who was not issued a standard or lifetime teaching certificate in any previous academic 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 academic year 2015-16, despite substantial changes over time:

- The percentage of male Mathematics teachers declined in academic years 2010-11 through 2012-13.
- The percentage of white Mathematics teachers declined over time, although it was relatively high around academic years 2011-12 and 2012-13.
- Results for Hispanic/Latino teachers increased somewhat over the academic years shown.
- In academic years 2012-13 through 2015-16, the percentage of Asian teachers increased to 7.7%.

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.
		2015-16	1,765	1,145	64.9	620	35.1	167	9.5	985	55.8	432	24.5	136	7.7	5	0.3	1	0.1	38	2.2
2014-15	1,841	1,195	64.9	646	35.1	161	8.7	1,067	58.0	449	24.4	121	6.6	2	0.1	1	0.1	39	2.1	0	0.0
2013-14	1,967	1,289	65.5	678	34.5	162	8.2	1,201	61.1	448	22.8	121	6.2	5	0.3	2	0.1	27	1.4	0	0.0
2012-13	1,879	1,248	66.4	631	33.6	147	7.8	1,211	64.4	385	20.5	96	5.1	6	0.3	1	0.1	31	1.6	1	0.1
2011-12	1,729	1,119	64.7	610	35.3	111	6.4	1,118	64.7	382	22.1	74	4.3	5	0.3	2	0.1	33	1.9	0	0.0
2010-11	2,209	1,384	62.7	825	37.3	176	8.0	1,419	64.2	426	19.3	140	6.3	10	0.5	2	0.1	27	1.2	8	0.4
2009-10	2,320	1,422	61.3	898	38.7	207	8.9	1,479	63.8	427	18.4	162	7.0	6	0.3	3	0.1	28	1.2	8	0.3
2008-09	1,950	1,229	63.0	721	37.0	163	8.4	1,244	63.8	391	20.1	123	6.3	5	0.3	2	0.1	10	0.5	11	0.6
2007-08	1,955	1,256	64.2	699	35.8	157	8.0	1,251	64.0	413	21.1	105	5.4	4	0.2	3	0.2	16	0.8	5	0.3
2006-07	1,930	1,286	66.6	644	33.4	175	9.1	1,265	65.5	343	17.8	115	6.0	10	0.5	0	0.0	15	0.8	6	0.3

(Continued on next page)

Mathematics and Science Teacher Demographics 2007-2016

Results for Science

Like Mathematics teachers, Science teachers remained largely female and white in academic year 2015-16, in spite of changes over time:

- The percentage of white Science teachers declined, although it was relatively high in academic years 2009-10 through 2012-13.
- Conversely, results for Hispanic/Latino teachers increased over the academic years shown.
- Results for black/African American teachers declined between academic years 2008-09 and 2011-12, but reached a peak in academic year 2013-14.
- In academic year 2014-15, the percentage of Asian teachers exceeded 7%.

Year	Total	Gender				Black/African American		White		Hispanic/Latino		Asian		Am. Indian/ Alaska Nat.		Native Hawaiian		Two or More Ethnicities		Other	
		Female		Male		Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.
		Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.
2015-16	1,421	899	63.3	522	36.7	133	9.4	802	56.4	361	25.4	96	6.8	4	0.3	1	0.1	24	1.7	0	0.0
2014-15	1,387	896	64.6	491	35.4	130	9.4	803	57.9	309	22.3	101	7.3	11	0.8	0	0.0	29	2.1	0	0.0
2013-14	1,388	926	66.7	462	33.3	141	10.2	823	59.3	312	22.5	80	5.8	5	0.4	2	0.1	25	1.8	0	0.0
2012-13	1,268	849	67.0	419	33.0	95	7.5	814	64.2	263	20.7	73	5.8	3	0.2	1	0.1	19	1.5	0	0.0
2011-12	1,253	854	68.2	399	31.8	86	6.9	829	66.2	237	18.9	74	5.9	6	0.5	1	0.1	20	1.6	0	0.0
2010-11	1,702	1,102	64.7	600	35.3	136	8.0	1,093	64.2	325	19.1	112	6.6	8	0.5	6	0.4	21	1.2	1	0.1
2009-10	1,759	1,137	64.6	622	35.4	145	8.2	1,127	64.1	330	18.8	106	6.0	7	0.4	3	0.2	29	1.6	10	0.6
2008-09	1,741	1,187	68.2	554	31.8	169	9.7	1,091	62.7	342	19.6	89	5.1	15	0.9	0	0.0	26	1.5	9	0.5
2007-08	1,860	1,256	67.5	604	32.5	199	10.7	1,163	62.5	367	19.7	87	4.7	8	0.4	3	0.2	23	1.2	8	0.4
2006-07	1,565	1,077	68.8	488	31.2	161	10.3	1,029	65.8	263	16.8	74	4.7	6	0.4	2	0.1	18	1.2	10	0.6

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 academic years 2006-07 through 2015-16. For each academic 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. This process was repeated to obtain Science results.