

## Experience of Mathematics and Science Teachers 2014-15 through 2020-21

This study reports the number and experience of employed teachers assigned to teach mathematics or science classes in Texas public schools. The first table shows the mean, median, and maximum of years of experience of all employed mathematics and science teachers as well the frequencies of teachers in five categories. The second table further disaggregates the category of teachers with the least experience, i.e., less than 10 years, referred to herein as early career teachers.

**Definition:** Mathematics and science teachers are identified by the subject area of their assignment regardless of certification status, full-time status, or percentage of assignments in mathematics or science. Years of experience is obtained from the Public Education Information Management System (PEIMS) and is the number of completed years, not including the current year, of employment in the Texas public school system regardless of role.

### Experience of Employed Mathematics and Science Teachers

Subject	Academic Year	Number Employed	Years of Experience			Years of Experience (percent of total)					
			Mean	Median	Max.	Less than 10	10 to 19	20 to 29	30 to 39	40 to 49	50 or more
Mathematics	2020-21	126,537	10.57	8	59	53.51%	30.17%	13.18%	2.73%	0.37%	0.04%
	2019-20	120,899	10.47	9	58	53.48%	30.58%	12.77%	2.75%	0.40%	0.03%
	2018-19	120,126	10.38	9	57	53.51%	30.96%	12.38%	2.72%	0.40%	0.02%
	2017-18	120,292	10.11	8	56	54.87%	30.16%	11.79%	2.78%	0.38%	0.02%
	2016-17	119,906	10.10	8	59	55.42%	29.58%	11.65%	2.94%	0.40%	0.01%
	2015-16	117,366	10.07	8	58	56.31%	28.61%	11.53%	3.12%	0.42%	0.01%
	2014-15	116,376	10.09	8	57	56.74%	27.93%	11.64%	3.26%	0.41%	0.01%
Science	2020-21	116,761	10.44	8	59	53.86%	30.29%	12.90%	2.58%	0.34%	0.03%
	2019-20	110,490	10.32	8	58	53.95%	30.59%	12.47%	2.61%	0.35%	0.03%
	2018-19	110,319	10.25	8	60	53.92%	31.02%	12.09%	2.59%	0.35%	0.02%
	2017-18	111,924	9.97	8	70	55.36%	30.23%	11.39%	2.68%	0.32%	0.02%
	2016-17	111,090	9.95	8	59	56.18%	29.33%	11.29%	2.84%	0.34%	0.02%
	2015-16	108,718	9.91	8	58	57.12%	28.38%	11.06%	3.07%	0.35%	0.01%
	2014-15	107,097	9.94	8	57	57.49%	27.68%	11.26%	3.20%	0.35%	0.01%

Experience of Mathematics and Science Teachers 2014-15 through 2020-21

Experience of Early Career Mathematics and Science Teachers

Subject	Academic Year	Less Than 10 Years Exp.	Years of Experience (percent of total)									
			0	1	2	3	4	5	6	7	8	9
Mathematics	2020-21	53.51%	6.90%	6.59%	5.76%	5.79%	5.60%	5.30%	5.27%	4.88%	4.34%	3.09%
	2019-20	53.48%	7.60%	6.10%	6.02%	5.93%	5.57%	5.59%	5.21%	4.63%	3.28%	3.53%
	2018-19	53.51%	6.94%	6.63%	6.30%	6.16%	5.93%	5.74%	5.03%	3.41%	3.69%	3.69%
	2017-18	54.87%	8.35%	6.58%	6.66%	6.40%	6.11%	5.30%	3.64%	3.93%	3.89%	4.02%
	2016-17	55.42%	8.05%	7.06%	6.90%	6.52%	5.74%	3.89%	4.31%	4.17%	4.29%	4.51%
	2015-16	56.31%	8.35%	7.54%	7.01%	5.97%	4.21%	4.58%	4.57%	4.64%	4.90%	4.55%
	2014-15	56.74%	9.14%	7.61%	6.35%	4.41%	4.91%	4.73%	5.00%	5.27%	4.87%	4.45%
Science	2020-21	53.86%	7.17%	6.72%	5.92%	5.78%	5.61%	5.28%	5.28%	4.80%	4.27%	3.03%
	2019-20	53.95%	7.80%	6.34%	6.08%	6.01%	5.65%	5.61%	5.12%	4.55%	3.20%	3.58%
	2018-19	53.92%	7.17%	6.84%	6.39%	6.27%	5.96%	5.62%	4.93%	3.33%	3.69%	3.71%
	2017-18	55.36%	8.57%	6.78%	6.84%	6.42%	6.03%	5.19%	3.62%	3.94%	3.89%	4.06%
	2016-17	56.18%	8.33%	7.22%	7.04%	6.51%	5.71%	3.83%	4.33%	4.21%	4.36%	4.65%
	2015-16	57.12%	8.69%	7.71%	7.02%	5.93%	4.23%	4.64%	4.61%	4.72%	5.00%	4.57%
	2014-15	57.49%	9.42%	7.66%	6.36%	4.42%	5.00%	4.85%	5.13%	5.39%	4.91%	4.35%

**Methodology:** Employment records for teachers assigned to teach mathematics or science for the past five years were extracted from the PEIMS database. Years of experience is based on a PEIMS field, 'EXPER', which reports the number of years, not including the current year, that the educator has been employed in the Texas public school system.