



STATE BOARD FOR EDUCATOR CERTIFICATION/TEXAS EDUCATION AGENCY

## TEXAS EDUCATOR CERTIFICATION

TE<sub>x</sub>ES/ExCET

TOPT

TE<sub>x</sub>MaT

TASC/TASC-ASL

### Summary Statistics for Total Scores

The table below gives the Number of Examinees, Average Reported Score, Standard Deviation, Reliability, Standard Error of Measurement, and Standard Error of Scoring for many of the Texas tests. A glossary providing information about these statistics is provided at the end of this document.

Test Code	Test Name	Number of Examinees	Average Reported Score	Standard Deviation	Reliability	Standard Error of Measurement	Standard Error of Scoring
005	Art All Level	308	77.12	9.92	0.93	2.66	n/a
006	Art Secondary	43	77.14	8.79	0.87	3.51	n/a
047	Spanish 6-12	1479	83.48	10.91	0.94	3.46	n/a
048	French 6-12	153	79.63	12.02	0.91	3.6	n/a
049	German 6-12	51	81.69	15.22	n/a	n/a	n/a
050	Latin 6-12	17	75.88	15.22	n/a	n/a	n/a
064	Superintendent Part I and Part II	457	248.55	18.08	0.7	9.9	n/a
068	Principal	4465	248.65	17.09	0.8	7.95	n/a
072 <sup>a</sup>	Texas Assessment of Sign Communication (TASC)	42	3.14	1.04	n/a	n/a	n/a
073 <sup>a</sup>	Texas Assessment of Sign Communication (TASC-ASL)	68	2.71	1.36	n/a	n/a	n/a
080	TOPT: French	107	6.16	1.56	n/a	n/a	0.63
081	TOPT: Spanish	5007	6.53	1.24	n/a	n/a	0.55
085	Master Reading Teacher	177	256.01	19.43	0.8	n/a	3.78
086	Master Technology Teacher	62	253.92	16.86	0.71	9.8	n/a
087	Master Mathematics Teacher EC-4	13	246.77	19.2	n/a	n/a	n/a
088	Master Mathematics Teacher 4-8	9	243.89	27.46	n/a	n/a	n/a
089	Master Mathematics Teacher 8-12	13	246.38	25.67	n/a	n/a	n/a
090	Master Science Teacher EC-4	6	222	14.92	n/a	n/a	n/a

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Texas Examinations of Educator Standards, TE<sub>x</sub>ES, the TE<sub>x</sub>ES logo, Texas Examinations for Master Teachers,

TE<sub>x</sub>MaT, Texas Oral Proficiency Test, TOPT, Texas Assessment of Sign Communication, TASC,

Texas Assessment of Sign Communication–American Sign Language, and TASC–ASL are trademarks of Texas Education Agency.

<b>Test Code</b>	<b>Test Name</b>	<b>Number of Examinees</b>	<b>Average Reported Score</b>	<b>Standard Deviation</b>	<b>Reliability</b>	<b>Standard Error of Measurement</b>	<b>Standard Error of Scoring</b>
091	Master Science Teacher 4-8	9	242.56	27.46	n/a	n/a	n/a
092	Master Science Teacher 8-12	5	249	26.77	n/a	n/a	n/a
100 <sup>b</sup>	Pedagogy and Professional Responsibilities EC-4	11279	258.03	19.57	0.79	10.28	n/a
101 <sup>b</sup>	Generalist EC-4	18341	255.72	22.83	0.9	7.91	n/a
102 <sup>b</sup>	Bilingual Education Supplemental EC-4	3009	248.24	21.94	0.74	11.26	n/a
103	Bilingual Generalist EC-4	2353	244.01	24.14	0.91	7.37	n/a
104	English as a Second Language (ESL)/Generalist EC-4	1114	261.76	21.97	0.92	6.11	n/a
110 <sup>b</sup>	Pedagogy and Professional Responsibilities 4-8	4602	265.25	17.68	0.82	8.65	n/a
111 <sup>b</sup>	Generalist 4-8	8388	259.97	17.82	0.91	5.89	n/a
112	Bilingual Education Supplemental 4-8	486	248.79	19.34	0.75	10.06	n/a
113	English Language Arts and Reading/Social Studies 4-8	666	257.43	19.25	0.87	7.21	n/a
114	Math/Science 4-8	484	249.88	20.75	0.88	7.82	n/a
115	Mathematics 4-8	2455	244.02	28.31	0.88	9.77	n/a
116	Science 4-8	1858	243.14	24.06	0.85	9.12	n/a
117	English Language Arts and Reading 4-8	2003	257.64	19.47	0.86	7.61	n/a
118	Social Studies 4-8	1435	250.85	24.82	0.89	8.89	n/a
119	Bilingual Generalist 4-8	349	231.65	23.95	0.92	6.77	n/a
120	English as a Second Language (ESL)/Generalist 4-8	349	247.92	21.72	0.94	6.37	n/a
130 <sup>b</sup>	Pedagogy and Professional Responsibilities 8-12	5472	260.47	19.45	0.84	9.28	n/a
131	English Language Arts and Reading 8-12	3062	254.48	19.33	0.84	n/a	3.66
132	Social Studies 8-12	2932	246.1	21.92	0.9	7.39	n/a
133 <sup>b</sup>	History 8-12	1426	242.09	24.17	0.85	8.92	n/a
135 <sup>b</sup>	Mathematics 8-12	2997	235.3	33.01	0.89	9.98	n/a
136	Science 8-12	1958	237.02	25.54	0.9	7.96	n/a
137	Physical Science 8-12	168	238.38	31.75	0.91	9.03	n/a
138	Life Science 8-12	1174	236.94	27.3	0.83	10.39	n/a
139	Technology Applications 8-12	223	242.83	22.16	0.81	8.75	n/a
140	Chemistry 8-12	197	255.61	22.5	0.91	7.49	n/a
141	Computer Science 8-12	99	249.05	24.72	0.91	7.78	n/a
142	Technology Applications EC-12	591	255.6	21.21	0.84	9.01	n/a
143	Math/Physics 8-12	76	249.8	30.23	n/a	n/a	n/a
150	School Librarian	415	256	18.04	0.8	8.87	n/a

<b>Test Code</b>	<b>Test Name</b>	<b>Number of Examinees</b>	<b>Average Reported Score</b>	<b>Standard Deviation</b>	<b>Reliability</b>	<b>Standard Error of Measurement</b>	<b>Standard Error of Scoring</b>
151	Reading Specialist	200	270.68	12.67	0.72	5.77	n/a
152	School Counselor	1171	259.41	18	0.81	8.63	n/a
153	Educational Diagnostician	345	256.08	18.85	0.83	8.56	n/a
154 <sup>b</sup>	English as a Second Language Supplemental (ESL)	11480	262.62	17.09	0.73	9.48	n/a
155	Speech 8-12	707	263.61	16.27	0.83	5.57	n/a
156	Journalism 8-12	232	254	16.44	0.78	8.35	n/a
157	Health EC-12	1127	263.17	15.04	0.77	8.24	n/a
158 <sup>b</sup>	Physical Education EC-12	3268	255.77	19	0.8	9.96	n/a
160 <sup>b</sup>	Pedagogy and Professional Responsibilities EC-12	13285	260.54	19.73	0.85	9.23	n/a
161 <sup>b</sup>	Special Education EC-12	7541	250.67	20.36	0.87	7.9	n/a
162	Gifted and Talented Supplemental	612	258.93	13.3	0.69	7.38	n/a
163	Special Education Supplemental	613	257.69	14.98	0.75	7.61	n/a
170	Pedagogy and Professional Responsibilities for Trade and Industrial Education 8-12	205	259.31	19.03	0.88	7.61	n/a
171	Technology Education 6-12	214	268.4	16.89	0.88	5.42	n/a
172	Agricultural Science and Technology 6-12	240	262.86	13.62	0.79	6.66	n/a
173	Health Science Technology Education 8-12	115	277.22	10.95	0.79	5.33	n/a
174	Mathematics/Physical Science/Engineering 8-12	22	241.91	27.97	n/a	n/a	n/a
175	Marketing Education 8-12	87	247.49	15.5	0.8	8.23	n/a
176	Business Education 6-12	1235	249.08	15.78	0.79	7.71	n/a
177 <sup>b</sup>	Music EC-12	1134	249.72	18.47	0.86	8	n/a
178	Art EC-12	775	264.68	14.09	0.79	6.57	n/a
179	Dance 8-12	204	252.64	15.36	0.81	9.23	n/a
180	Theatre EC-12	470	254.85	17.49	0.81	8.12	n/a
181	Deaf and Hard of Hearing	122	262.35	15.82	0.81	7.89	n/a
182	Visually Impaired	43	253.49	10.83	n/a	n/a	n/a
183	Braille	77	255.65	15.59	0.61	n/a	n/a
184	American Sign Language (ASL)	67	256.72	21.99	0.88	9.48	n/a

<sup>a</sup> For test codes 072 and 073, the summary statistics are calculated by converting alphabetic scores reported to candidates to numeric scores (A = 5, B = 4, C = 3, D = 2, E = 1).

<sup>b</sup> These tests are offered via both paper-and-pencil (PBT) and computer-administered testing (CAT). In some instances, the summary statistics are based on PBT data only.

## Glossary of Terms

**Number of Examinees** — Represents the annual volume for the 2007-08 testing year. If an examinee took a test more than once within this period, that person is only counted once.

**Average Reported Score** — Mean reported score of test takers who tested during the 2007-08 testing year. If an examinee took a test more than once within this period, only the most recent score was used in this calculation.

**Standard Deviation** — Standard deviation of the reported score of test takers who tested during the 2007-08 testing year. If an examinee took a test more than once within this period, only the most recent score was used in this calculation.

**Reliability** — The tendency of individual scores to be consistent from one version of the test to another. For mixed-format tests (i.e., multiple-choice and constructed-response) with fewer than two constructed-response questions, reliability is calculated for only the multiple-choice portion of the test. For tests with insufficient data, reliability is not calculated.

**Standard Error of Measurement** — A statistic that is often used to describe the expected variation in a test score if an individual is retested many times with parallel forms of a test. An examinee's score on a single version of a test will differ somewhat from the score the examinee would get on a different version of the test. The more consistent the scores from one version of the test to another, the smaller the standard error of measurement. If a large number of examinees take a test for which the standard error of measurement is 3 points, about two-thirds of the examinees will receive scores within 3 points of the scores that they would get by averaging over many versions of the test. On some tests, the standard error of measurement could not be estimated because there was no version of the test that had been taken by a sufficient number of examinees. On other tests, the standard error of measurement could not be adequately estimated because the test consists of a very small number of questions or tasks, each measuring a different type of knowledge or skill. Finally, for tests containing both multiple-choice and constructed-response questions where the number of constructed-response questions is less than two, the standard error of measurement for the reported score could not be estimated.

**Standard Error of Scoring** — For tests with constructed-response components where the scoring involves human judgment, this statistic describes the reliability of the process of scoring the examinees' responses. The more consistent the ratings assigned to the same responses by different scorers, the smaller the standard error of scoring. If a large number of examinees take a test for which the standard error of scoring is 1 point, about two-thirds of the examinees will receive scores within 1 point of the scores that they would get if their responses were scored by all possible scorers. On some constructed-response tests, the standard error of scoring could not be estimated because there was no version of the test that had been taken by a sufficient number of examinees. On some constructed-response tests, the standard error of scoring could not be estimated because the responses were not all scored independently by two different scorers. The standard error of scoring for a multiple-choice test, or a domain or competency score consisting of only multiple-choice questions, is not applicable because multiple-choice scoring is a purely mechanical process with no possibility of disagreement between scorers.