

**2022 STAAR
Raw Score to Scale Score (RSSS)
Conversion Tables and Conditional
Standard Error of Measurement (CSEM)**

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Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

**Table B.3.1. Spring 2022 STAAR English Grades 3-5 Mathematics
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Raw	Grade 3		Grade 4		Grade 5	
	SS	CSEM	SS	CSEM	SS	CSEM
0	813		916		964	
1	947	111	1050	111	1098	111
2	1028	80	1132	81	1179	80
3	1078	67	1182	68	1228	67
4	1115	60	1219	60	1265	59
5	1145	55	1250	55	1295	54
6	1171	51	1276	51	1320	51
7	1194	49	1299	49	1342	48
8	1215	47	1320	46	1363	46
9	1235	45	1339	45	1381	44
10	1253	44	1357	44	1399	43
11	1271	43	1374	43	1415	42
12	1288	43	1391	42	1431	41
13	1304	42	1407	41	1446	40
14	1321	42	1422	41	1461	40
15	1337	42	1437	40	1476	39
16	*1360	42	1452	40	1490	39
17	1369	42	*1467	40	*1500	39
18	1386	43	1483	41	1518	39
19	1403	43	1498	41	1532	39
20	1421	44	1514	41	1546	39
21	1439	45	1530	42	1561	40
22	1458	46	1546	43	1575	40
23	**1486	48	1564	44	1590	41
24	1501	50	**1589	45	1606	42
25	1525	52	1601	47	**1625	43
26	1552	56	1622	49	1640	44
27	***1596	60	1645	51	1658	45
28	1619	65	***1670	54	1678	47
29	1663	73	1700	58	1699	49
30	1721	86	1734	63	***1724	52
31	1811	116	1775	71	1751	56
32	1952		1831	84	1783	62

(Continued)

	Grade 3		Grade 4		Grade 5	
Raw	SS	CSEM	SS	CSEM	SS	CSEM
33			1918	114	1822	69
34			2057		1874	82
35					1959	113
36					2095	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.2. Spring 2022 STAAR English Grades 6-8 Mathematics
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Raw	Grade 6		Grade 7		Grade 8	
	SS	CSEM	SS	CSEM	SS	CSEM
0	1045		1065		1037	
1	1179	110	1198	110	1171	111
2	1259	80	1277	80	1251	80
3	1308	67	1326	66	1300	67
4	1344	59	1362	59	1337	59
5	1373	54	1391	54	1366	54
6	1398	50	1416	50	1392	50
7	1420	47	1437	47	1414	47
8	1439	45	1457	45	1433	45
9	1457	43	1475	43	1451	43
10	1474	42	1491	42	1468	42
11	1490	41	1507	41	1484	41
12	1505	40	1522	40	1499	40
13	1520	39	1536	39	1513	39
14	*1536	39	1550	38	1527	38
15	1548	38	1563	38	1540	38
16	1561	38	*1575	37	1553	37
17	1575	38	1589	37	1566	37
18	1588	38	1602	37	1578	37
19	1601	38	1615	37	*1595	36
20	1615	38	1627	37	1603	36
21	1628	38	1640	37	1615	36
22	1642	38	1653	37	1627	36
23	**1653	39	1665	37	1640	37
24	1670	39	1678	38	1652	37
25	1684	40	**1688	38	1665	37
26	1699	41	1706	39	1678	38
27	1715	42	1720	39	1691	38
28	1732	43	1734	40	**1700	39
29	1750	45	1750	41	1719	40
30	***1772	46	1766	43	1734	40
31	1790	49	1784	44	1749	41
32	1813	52	***1798	46	1766	43

(Continued)

Raw	Grade 6		Grade 7		Grade 8	
	SS	CSEM	SS	CSEM	SS	CSEM
33	1839	55	1823	48	1783	44
34	1870	61	1846	51	1802	46
35	1909	68	1872	55	1823	48
36	1960	81	1903	61	***1854	51
37	2042	112	1941	68	1872	55
38	2178		1993	82	1902	60
39			2076	112	1939	68
40			2212		1989	81
41					2071	111
42					2205	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.3. Spring 2022 STAAR English Grades 3-5 Reading
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Raw	Grade 3		Grade 4		Grade 5	
	SS	CSEM	SS	CSEM	SS	CSEM
0	765		839		861	
1	907	117	979	116	1002	116
2	992	85	1063	84	1086	84
3	1045	71	1113	70	1138	70
4	1084	63	1151	62	1176	62
5	1116	58	1181	56	1207	57
6	1143	54	1207	52	1233	53
7	1167	51	1230	50	1256	50
8	1189	49	1251	47	1276	47
9	1209	47	1270	46	1295	46
10	1227	45	1288	44	1313	44
11	1245	44	1304	43	1329	43
12	1262	43	1320	42	1345	42
13	1278	43	1336	42	1360	41
14	1294	42	1351	41	1375	40
15	1309	42	1366	41	1389	40
16	1324	41	1380	40	1403	39
17	*1345	41	1394	40	1416	39
18	1354	41	1409	40	1430	39
19	1369	41	1423	40	1443	39
20	1385	42	*1434	41	1456	39
21	1400	42	1452	41	*1470	39
22	1416	43	1467	41	1483	39
23	1432	44	1482	42	1497	40
24	1450	45	1498	43	1511	40
25	**1468	46	1514	44	1525	41
26	1487	48	1531	45	1540	41
27	1508	50	**1550	46	1555	42
28	1531	53	1569	48	1571	44
29	***1555	57	1590	50	**1582	45
30	1588	62	1613	53	1607	47
31	1626	70	***1633	57	1627	49
32	1677	84	1671	62	1650	52

(Continued)

Raw	Grade 3		Grade 4		Grade 5	
	SS	CSEM	SS	CSEM	SS	CSEM
33	1761	116	1709	70	***1667	56
34	1901		1760	84	1705	61
35			1845	116	1742	69
36			1985		1793	83
37					1876	116
38					2016	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.4. Spring 2022 STAAR English Grades 6-8 Reading
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Raw	Grade 6		Grade 7		Grade 8	
	SS	CSEM	SS	CSEM	SS	CSEM
0	921		962		980	
1	1060	116	1101	116	1119	116
2	1143	83	1185	83	1202	83
3	1193	69	1235	69	1252	69
4	1230	61	1272	61	1289	61
5	1260	55	1302	56	1318	55
6	1285	51	1327	52	1343	51
7	1307	48	1349	49	1365	48
8	1326	46	1369	46	1384	46
9	1344	44	1387	44	1402	44
10	1361	43	1404	43	1418	42
11	1377	42	1419	42	1433	41
12	1391	41	1434	41	1448	40
13	1406	40	1448	40	1462	39
14	1419	39	1462	39	1475	38
15	1433	39	1475	38	1488	38
16	1446	38	1488	38	1500	37
17	1458	38	1501	38	1512	37
18	1471	38	1513	37	1524	37
19	1483	38	1525	37	1536	36
20	1496	38	1537	37	1547	36
21	1508	38	1549	37	1559	36
22	*1517	38	*1567	37	1570	36
23	1533	38	1574	37	*1587	36
24	1546	38	1586	37	1593	36
25	1559	39	1598	38	1605	36
26	1573	39	1611	38	1616	37
27	1587	40	1624	38	1628	37
28	1601	41	1637	39	1640	37
29	1616	42	1650	40	1653	38
30	**1629	43	1664	41	1665	39
31	1649	45	**1674	42	1679	39
32	1667	47	1695	43	1693	40

(Continued)

Raw	Grade 6		Grade 7		Grade 8	
	SS	CSEM	SS	CSEM	SS	CSEM
33	1687	49	1712	44	**1700	41
34	***1718	52	1730	46	1723	43
35	1735	56	***1753	49	1739	44
36	1765	61	1771	52	1757	46
37	1802	69	1797	56	***1783	48
38	1852	84	1826	61	1798	51
39	1936	116	1863	69	1823	55
40	2076		1913	83	1853	61
41			1996	116	1890	69
42			2136		1940	83
43					2023	116
44					2163	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.5. Spring 2022 STAAR English Grade 5 and Grade 8 Science
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Raw	Grade 5		Grade 8	
	SS	CSEM	SS	CSEM
0	1250		817	
1	1790	447	1454	527
2	2110	322	1833	380
3	2305	268	2064	316
4	2448	236	2234	279
5	2564	215	2371	254
6	2662	200	2486	236
7	2748	189	2588	222
8	2825	180	2679	212
9	2896	173	2762	203
10	2962	168	2839	196
11	3025	163	2911	190
12	3084	160	2979	185
13	3141	157	3044	181
14	3197	155	3107	178
15	3251	153	3167	175
16	3304	152	3226	173
17	3357	152	3284	171
18	3409	152	3340	170
19	3461	152	3396	169
20	3514	153	3451	169
21	*3550	154	3506	168
22	3622	156	*3550	169
23	3678	158	3616	169
24	3735	161	3672	170
25	3795	164	3728	171
26	3859	169	3785	173
27	3926	174	3844	176
28	**4000	182	3905	178
29	4076	190	3967	182
30	4163	202	**4000	186
31	4263	217	4101	191
32	***4402	238	4174	197

(Continued)

Raw	Grade 5		Grade 8	
	SS	CSEM	SS	CSEM
33	4525	269	4251	204
34	4722	323	4335	213
35	5045	448	***4406	224
36	5586		4530	238
37			4647	256
38			4787	281
39			4959	319
40			5194	383
41			5578	530
42			6219	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.6. Spring 2022 STAAR English Grade 8 Social Studies
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Grade 8		
Raw	SS	CSEM
0	1103	
1	1680	478
2	2023	344
3	2232	286
4	2385	252
5	2508	229
6	2612	213
7	2703	200
8	2785	191
9	2859	183
10	2928	176
11	2992	171
12	3053	166
13	3111	163
14	3166	160
15	3220	157
16	3272	155
17	3322	153
18	3372	152
19	3421	151
20	3469	150
21	3517	150
22	*3550	150
23	3613	150
24	3661	150
25	3710	151
26	3759	152
27	3809	154
28	3860	156
29	3913	158
30	3967	161
31	**4000	164
32	4082	168

(Continued)

Grade 8		
Raw	SS	CSEM
33	4143	172
34	4209	178
35	***4268	184
36	4354	192
37	4436	202
38	4529	214
39	4634	231
40	4759	254
41	4914	287
42	5124	345
43	5469	479
44	6047	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.7. Spring 2022 STAAR Spanish Grades 3-5 Mathematics
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Raw	Grade 3		Grade 4		Grade 5	
	SS	CSEM	SS	CSEM	SS	CSEM
0	813		916		964	
1	947	111	1050	111	1098	111
2	1028	80	1132	81	1179	80
3	1078	67	1182	68	1228	67
4	1115	60	1219	60	1265	59
5	1145	55	1250	55	1295	54
6	1171	51	1276	51	1320	51
7	1194	49	1299	49	1342	48
8	1215	47	1320	46	1363	46
9	1235	45	1339	45	1381	44
10	1253	44	1357	44	1399	43
11	1271	43	1374	43	1415	42
12	1288	43	1391	42	1431	41
13	1304	42	1407	41	1446	40
14	1321	42	1422	41	1461	40
15	1337	42	1437	40	1476	39
16	*1360	42	1452	40	1490	39
17	1369	42	*1467	40	*1500	39
18	1386	43	1483	41	1518	39
19	1403	43	1498	41	1532	39
20	1421	44	1514	41	1546	39
21	1439	45	1530	42	1561	40
22	1458	46	1546	43	1575	40
23	**1486	48	1564	44	1590	41
24	1501	50	**1589	45	1606	42
25	1525	52	1601	47	**1625	43
26	1552	56	1622	49	1640	44
27	***1596	60	1645	51	1658	45
28	1619	65	***1670	54	1678	47
29	1663	73	1700	58	1699	49
30	1721	86	1734	63	***1724	52
31	1811	116	1775	71	1751	56
32	1952		1831	84	1783	62

(Continued)

	Grade 3		Grade 4		Grade 5	
Raw	SS	CSEM	SS	CSEM	SS	CSEM
33			1918	114	1822	69
34			2057		1874	82
35					1959	113
36					2095	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.8. Spring 2022 STAAR Spanish Grades 3-5 Reading
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Raw	Grade 3		Grade 4		Grade 5	
	SS	CSEM	SS	CSEM	SS	CSEM
0	638		707		778	
1	805	139	874	138	944	138
2	906	100	974	100	1044	99
3	968	84	1035	83	1104	83
4	1014	74	1080	74	1148	73
5	1051	68	1116	67	1184	66
6	1083	64	1147	63	1214	62
7	1111	60	1174	59	1241	58
8	1137	58	1199	57	1264	55
9	1160	56	1222	54	1286	53
10	1183	54	1243	53	1306	52
11	1204	53	1263	51	1326	50
12	1224	52	1282	50	1344	49
13	1243	51	1301	50	1361	48
14	1262	50	1319	49	1378	47
15	1281	50	1336	48	1394	47
16	1299	50	1353	48	1410	46
17	*1318	50	1370	48	1425	46
18	1336	50	1387	48	1441	46
19	1354	50	1404	48	*1461	45
20	1373	50	*1413	48	1471	46
21	1392	51	1438	48	1487	46
22	1411	52	1455	49	1502	46
23	1431	53	1473	49	1518	46
24	**1444	54	1492	50	1534	47
25	1474	56	1511	51	1551	48
26	1498	58	**1539	53	1568	49
27	***1532	60	1552	54	**1582	50
28	1552	63	1574	56	1605	51
29	1583	68	1599	59	1625	53
30	1621	74	***1636	62	1646	55
31	1666	84	1657	67	1670	58
32	1728	100	1693	73	***1701	61

(Continued)

Raw	Grade 3		Grade 4		Grade 5	
	SS	CSEM	SS	CSEM	SS	CSEM
33	1828	138	1738	83	1726	66
34	1996		1798	100	1761	72
35			1898	138	1805	82
36			2064		1864	99
37					1963	138
38					2129	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.9. Spring 2022 STAAR Spanish Grade 5 Science
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Grade 5		
Raw	SS	CSEM
0	1250	
1	1790	447
2	2110	322
3	2305	268
4	2448	236
5	2564	215
6	2662	200
7	2748	189
8	2825	180
9	2896	173
10	2962	168
11	3025	163
12	3084	160
13	3141	157
14	3197	155
15	3251	153
16	3304	152
17	3357	152
18	3409	152
19	3461	152
20	3514	153
21	*3550	154
22	3622	156
23	3678	158
24	3735	161
25	3795	164
26	3859	169
27	3926	174
28	**4000	182
29	4076	190
30	4163	202
31	4263	217
32	***4402	238

(Continued)

Grade 5		
Raw	SS	CSEM
33	4525	269
34	4722	323
35	5045	448
36	5586	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.10. Spring 2022 STAAR EOC Mathematics
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Algebra I		
Raw	SS	CSEM
0	1370	
1	1910	447
2	2228	321
3	2419	265
4	2558	233
5	2669	211
6	2763	195
7	2844	183
8	2916	174
9	2981	166
10	3041	159
11	3096	154
12	3149	150
13	3198	146
14	3245	142
15	3290	140
16	3333	137
17	3375	135
18	3416	133
19	3456	132
20	3500	130
21	*3550	129
22	3570	128
23	3607	128
24	3644	127
25	3681	127
26	3717	127
27	3753	127
28	3789	127
29	3826	127
30	3863	127
31	3900	128
32	3937	129

(Continued)

Algebra I		
Raw	SS	CSEM
33	3975	130
34	**4000	131
35	4053	133
36	4094	134
37	4135	136
38	4178	139
39	4222	141
40	4269	144
41	***4333	148
42	4368	152
43	4422	157
44	4479	162
45	4541	169
46	4608	176
47	4683	186
48	4766	198
49	4862	214
50	4976	236
51	5119	268
52	5314	323
53	5636	449
54	6179	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.11. Spring 2022 STAAR EOC English-Paper
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Raw	English I		English II	
	SS	CSEM	SS	CSEM
0	1183		1003	
1	1736	458	1583	480
2	2060	327	1926	344
3	2253	269	2130	283
4	2392	235	2278	247
5	2501	210	2394	222
6	2590	192	2489	203
7	2665	178	2570	189
8	2730	166	2640	177
9	2787	156	2703	167
10	2837	147	2759	159
11	2883	140	2810	153
12	2925	134	2858	148
13	2963	130	2903	143
14	2999	126	2945	140
15	3033	122	2985	137
16	3065	120	3024	134
17	3096	118	3062	132
18	3127	117	3098	131
19	3156	116	3134	130
20	3186	115	3169	129
21	3215	115	3204	128
22	3245	116	3239	128
23	3274	116	3274	128
24	3304	117	3308	127
25	3334	117	3342	127
26	3365	118	3376	127
27	3396	119	3411	127
28	3427	120	3445	127
29	3459	121	3479	127
30	3491	121	3514	128
31	3524	122	3548	128
32	3557	123	3583	128

(Continued)

Raw	English I		English II	
	SS	CSEM	SS	CSEM
33	3590	123	3618	128
34	3624	124	3652	129
35	3658	124	3688	129
36	3692	125	3723	130
37	3727	126	*3775	130
38	*3775	126	3794	131
39	3797	127	3831	131
40	3833	128	3867	132
41	3869	129	3904	133
42	3906	129	3942	134
43	3943	131	3980	135
44	**4000	132	**4000	136
45	4020	133	4058	137
46	4059	135	4099	139
47	4100	136	4140	140
48	4141	138	4182	142
49	4184	141	4226	144
50	4229	143	4270	147
51	4275	146	4317	149
52	4323	149	4365	152
53	4373	153	4415	156
54	4427	157	4468	160
55	4483	162	4523	164
56	4543	168	4582	169
57	4608	175	4644	175
58	***4691	182	4712	182
59	4755	191	4784	189
60	4840	201	***4831	198
61	4934	213	4951	208
62	5040	225	5048	220
63	5160	241	5157	235
64	5297	259	5283	255
65	5460	287	5436	285
66	5670	335	5639	339
67	6000	457	5969	471
68	6545		6531	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.12. Spring 2022 STAAR EOC English-Online
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Raw	English I		English II	
	SS	CSEM	SS	CSEM
0	1164		1017	
1	1719	460	1599	481
2	2046	329	1943	346
3	2242	272	2150	286
4	2384	238	2301	250
5	2497	215	2420	226
6	2591	198	2520	208
7	2672	185	2604	194
8	2743	174	2679	182
9	2805	164	2745	172
10	2862	156	2805	164
11	2914	149	2859	157
12	2960	143	2909	151
13	3004	137	2956	146
14	3044	132	2999	141
15	3081	128	3040	137
16	3116	124	3079	134
17	3149	121	3117	131
18	3181	118	3153	129
19	3211	116	3187	127
20	3240	114	3221	126
21	3268	113	3254	124
22	3296	112	3286	123
23	3324	111	3318	122
24	3351	111	3350	122
25	3378	111	3381	121
26	3405	111	3412	121
27	3432	112	3443	121
28	3460	112	3474	121
29	3488	113	3505	121
30	3517	114	3536	121
31	3545	115	3567	121
32	3575	116	3599	122

(Continued)

Raw	English I		English II	
	SS	CSEM	SS	CSEM
33	3605	117	3630	122
34	3635	118	3662	122
35	3666	119	3694	123
36	3698	120	3726	123
37	3730	121	3750	124
38	*3775	122	*3775	125
39	3796	123	3824	125
40	3830	124	3857	126
41	3864	125	3891	127
42	3899	126	3925	128
43	3935	128	3960	129
44	3971	129	**4000	130
45	**4000	130	4032	132
46	4046	132	4069	133
47	4085	134	4107	135
48	4125	136	4146	137
49	4166	138	4186	139
50	4209	140	4227	141
51	4253	143	4270	144
52	4299	146	4314	147
53	4348	150	4361	150
54	4399	154	4410	154
55	4453	159	4461	158
56	4510	164	4515	163
57	4572	170	4573	168
58	4638	177	4636	175
59	***4691	185	4703	182
60	4790	194	4776	191
61	4878	205	***4831	201
62	4977	218	4948	214
63	5088	233	5052	230
64	5218	253	5175	252
65	5376	283	5326	286
66	5583	335	5532	343
67	5916	460	5870	477
68	6469		6444	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.13. Spring 2022 STAAR EOC Science
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

Biology		
Raw	SS	CSEM
0	1357	
1	1911	459
2	2238	330
3	2436	273
4	2580	240
5	2695	218
6	2792	202
7	2877	190
8	2952	180
9	3020	172
10	3084	166
11	3143	161
12	3198	156
13	3251	153
14	3301	149
15	3350	147
16	3397	145
17	3442	143
18	3500	141
19	*3550	140
20	3573	139
21	3616	138
22	3658	138
23	3699	137
24	3741	137
25	3783	137
26	3825	138
27	3867	138
28	3909	139
29	3952	140
30	**4000	142
31	4041	143
32	4087	145

(Continued)

Biology		
Raw	SS	CSEM
33	4134	147
34	4182	149
35	4233	152
36	4285	156
37	4340	160
38	4398	164
39	4459	169
40	4524	175
41	***4576	182
42	4672	191
43	4756	201
44	4851	214
45	4960	231
46	5089	253
47	5248	286
48	5462	341
49	5807	469
50	6376	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.

**Table B.3.14. Spring 2022 STAAR EOC Social Studies
Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)**

U.S. History		
Raw	SS	CSEM
0	953	
1	1557	500
2	1911	358
3	2124	295
4	2277	259
5	2399	234
6	2501	216
7	2589	202
8	2666	191
9	2736	181
10	2800	174
11	2859	168
12	2914	162
13	2965	157
14	3014	153
15	3060	150
16	3105	146
17	3147	144
18	3188	141
19	3228	139
20	3266	137
21	3303	135
22	3340	133
23	3375	132
24	3410	131
25	3445	130
26	3478	129
27	3500	128
28	*3550	127
29	3577	127
30	3610	126
31	3642	126
32	3674	126

(Continued)

U.S. History		
Raw	SS	CSEM
33	3706	126
34	3738	126
35	3770	126
36	3802	126
37	3834	126
38	3866	127
39	3898	127
40	3931	128
41	3964	128
42	**4000	129
43	4032	130
44	4067	131
45	4102	133
46	4138	134
47	4175	136
48	4213	138
49	4252	140
50	4292	142
51	4333	145
52	4377	148
53	***4440	151
54	4469	155
55	4518	159
56	4571	164
57	4627	169
58	4687	176
59	4752	183
60	4823	192
61	4902	203
62	4991	217
63	5094	235
64	5218	260
65	5373	297
66	5587	359
67	5943	501
68	6548	

Notes: * Approaches, ** Meets, *** Masters

Conditional Standard Error of Measurement at minimum and maximum scores left intentionally blank, because sufficient information was not available to accurately estimate these values.