

**2021 STAAR Alternate 2  
Raw Score to Scale  
Score (RSSS) Conversion  
Tables and Conditional  
Standard Error of  
Measurement (CSEM)**

## List of Tables

- Table C.3.1. 2021 STAAR Alternate 2 Grades 3–5 Mathematics Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.2. 2021 STAAR Alternate 2 Grades 6–8 Mathematics Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.3. 2021 STAAR Alternate 2 Grades 3–5 Reading Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.4. 2021 STAAR Alternate 2 Grades 6–8 Reading Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.5. 2021 STAAR Alternate 2 Grade 4 and Grade 7 Writing Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.6. 2021 STAAR Alternate 2 Grade 5 and Grade 8 Science Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.7. 2021 STAAR Alternate 2 Grade 8 Social Studies Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.8. 2021 STAAR Alternate 2 EOC Mathematics Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.9. 2021 STAAR Alternate 2 EOC English Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.10. 2021 STAAR Alternate 2 EOC Science Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)
- Table C.3.11. 2021 STAAR Alternate 2 EOC Social Studies Conditional Standard Error of Measurement (CSEM) of Scale Score (SS)

**Table C.3.1. 2021 STAAR Alternate 2 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	114		120		114	
1	160	40	165	39	163	41
2	185	28	190	27	191	29
3	199	23	204	23	206	24
4	210	21	215	20	218	21
5	220	19	223	18	226	18
6	228	18	230	17	234	17
7	235	17	237	16	240	16
8	241	17	243	15	246	15
9	247	16	248	15	251	15
10	253	16	254	15	256	14
11	259	15	258	14	261	14
12	264	15	263	14	265	14
13	269	15	268	14	269	13
14	274	15	272	14	273	13
15	279	14	277	13	277	13
16	284	14	281	13	281	13
17	288	14	285	13	285	13
18	293	14	289	13	289	13
19	297	14	293	13	293	13
20	**300	14	297	13	296	13
21	306	14	**300	13	**300	13
22	310	14	305	13	304	13
23	315	14	309	13	308	13
24	319	14	313	13	312	13
25	323	14	317	13	316	13
26	328	14	322	13	320	13
27	332	14	326	13	324	14
28	337	14	330	14	329	14
29	341	15	335	14	334	14
30	346	15	339	14	339	15
31	352	15	344	15	344	15
32	357	16	350	15	349	16

(Continued)

<b>Raw</b>	<b>Grade 3</b>		<b>Grade 4</b>		<b>Grade 5</b>	
	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	363	17	355	16	356	17
<b>34</b>	370	18	362	17	363	18
<b>35</b>	***375	19	369	18	371	19
<b>36</b>	387	21	378	20	***379	21
<b>37</b>	399	24	***387	23	392	24
<b>38</b>	415	30	405	28	409	30
<b>39</b>	443	43	432	41	438	42
<b>40</b>	494		480		489	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.2. 2021 STAAR Alternate 2 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	100		106		100	
1	146	43	154	41	148	42
2	173	30	179	29	174	30
3	189	25	194	24	190	24
4	201	22	205	21	201	22
5	210	20	214	19	211	20
6	218	19	221	18	218	18
7	225	18	228	17	226	18
8	232	17	234	16	232	17
9	238	17	240	16	238	16
10	244	16	246	16	244	16
11	250	16	251	15	249	16
12	255	16	256	15	255	16
13	260	15	261	15	260	15
14	265	15	267	15	265	15
15	270	15	272	15	270	15
16	274	15	277	15	275	15
17	279	15	281	15	279	15
18	283	15	286	15	284	15
19	288	15	291	15	289	15
20	292	14	296	15	293	15
21	297	15	**300	15	**300	15
22	**300	15	306	15	303	15
23	306	15	311	15	307	15
24	310	15	316	15	312	15
25	315	15	322	15	317	15
26	320	15	327	15	322	15
27	325	15	332	16	327	15
28	330	16	338	16	332	16
29	335	16	343	16	337	16
30	341	17	349	16	343	16
31	347	17	355	17	349	17
32	353	18	362	18	356	18

(Continued)

Raw	Grade 6		Grade 7		Grade 8	
	SS	CSEM	SS	CSEM	SS	CSEM
33	360	19	369	18	***365	19
34	368	20	***375	19	371	20
35	***373	21	386	21	380	21
36	388	24	396	23	391	24
37	401	27	410	26	405	27
38	419	33	428	32	423	32
39	450	46	459	45	455	46
40	506		512		509	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.3. 2021 STAAR Alternate 2 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	105		100		100	
1	153	41	144	42	126	45
2	179	29	171	29	154	32
3	194	23	186	24	170	26
4	205	21	197	21	182	23
5	214	19	206	19	192	21
6	221	18	213	18	200	19
7	228	17	220	17	207	18
8	234	16	226	16	213	18
9	240	16	231	16	219	17
10	245	15	236	15	225	17
11	251	15	241	15	231	17
12	255	15	246	15	236	16
13	260	14	251	15	242	16
14	265	14	256	15	247	16
15	270	14	260	14	252	16
16	274	14	265	14	258	16
17	278	14	269	14	263	16
18	283	14	274	14	268	16
19	287	14	279	14	274	17
20	292	14	283	14	280	17
21	296	14	288	14	285	17
22	**300	14	292	14	291	17
23	304	14	297	15	296	17
24	309	14	**300	15	**300	17
25	313	14	306	15	308	17
26	317	14	311	15	314	17
27	322	14	316	15	319	17
28	327	14	321	15	325	17
29	331	15	326	16	331	17
30	336	15	332	16	338	18
31	342	15	337	16	344	18
32	347	16	344	17	351	19

(Continued)

<b>Raw</b>	<b>Grade 3</b>		<b>Grade 4</b>		<b>Grade 5</b>	
	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	354	17	350	18	358	20
<b>34</b>	360	18	358	19	367	21
<b>35</b>	368	19	366	20	376	22
<b>36</b>	***381	21	376	23	***387	25
<b>37</b>	389	24	***384	26	401	28
<b>38</b>	406	30	407	31	420	34
<b>39</b>	434	42	437	45	452	48
<b>40</b>	484		490		510	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.4. 2021 STAAR Alternate 2 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	100		100		104	
1	140	41	134	42	148	38
2	165	29	160	29	171	27
3	180	23	175	24	185	22
4	191	21	186	21	195	19
5	199	19	195	19	203	18
6	207	18	202	18	210	17
7	213	17	209	17	216	16
8	219	16	215	16	222	15
9	225	16	220	16	227	15
10	230	15	226	15	233	15
11	235	15	231	15	238	15
12	240	15	235	15	243	15
13	245	15	240	14	248	15
14	249	15	245	14	253	15
15	254	15	249	14	258	15
16	259	15	254	14	263	15
17	264	15	258	14	268	15
18	268	15	262	14	273	15
19	273	15	267	14	278	15
20	278	15	271	14	283	15
21	283	15	275	14	288	15
22	288	15	280	14	293	15
23	293	15	284	14	**300	15
24	**300	15	289	14	303	15
25	303	15	293	15	308	15
26	308	15	**300	15	313	15
27	313	15	303	15	318	15
28	319	16	308	15	324	15
29	324	16	313	16	329	15
30	330	16	319	16	334	15
31	336	17	325	17	340	16
32	342	17	332	17	346	16

(Continued)

<b>Raw</b>	<b>Grade 6</b>		<b>Grade 7</b>		<b>Grade 8</b>	
	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	349	18	339	18	353	17
<b>34</b>	357	19	347	20	360	18
<b>35</b>	***371	21	356	21	368	19
<b>36</b>	376	23	***371	23	***379	21
<b>37</b>	390	26	380	26	390	24
<b>38</b>	408	32	398	32	407	30
<b>39</b>	438	45	429	45	436	42
<b>40</b>	492		483		486	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.5. 2021 STAAR Alternate 2 Grade 4 and Grade 7 Writing  
Conditional Standard Error of Measurement (CSEM)  
of Scale Score (SS)**

Raw	Grade 4		Grade 7	
	SS	CSEM	SS	CSEM
0	100		100	
1	133	47	136	44
2	164	33	165	31
3	181	27	182	25
4	194	23	194	22
5	203	21	204	20
6	211	19	212	18
7	219	18	219	17
8	225	17	225	17
9	231	17	231	16
10	236	16	236	15
11	241	16	241	15
12	246	15	246	15
13	251	15	251	14
14	255	15	255	14
15	260	15	260	14
16	264	15	264	14
17	268	14	268	14
18	273	14	273	14
19	277	14	277	14
20	281	14	281	14
21	285	14	285	14
22	289	14	290	14
23	294	15	294	14
24	**300	15	**300	14
25	303	15	303	14
26	307	15	307	14
27	312	15	312	15
28	317	16	316	15
29	322	16	321	15
30	327	17	327	16
31	333	17	332	16
32	339	18	338	17

(Continued)

<b>Raw</b>	<b>Grade 4</b>		<b>Grade 7</b>	
	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	346	19	345	18
<b>34</b>	353	20	353	19
<b>35</b>	***363	22	***359	21
<b>36</b>	373	24	371	23
<b>37</b>	386	28	384	26
<b>38</b>	405	34	402	32
<b>39</b>	437	48	433	45
<b>40</b>	494		487	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.6. 2021 STAAR Alternate 2 Grade 5 and Grade 8 Science  
Conditional Standard Error of Measurement (CSEM)  
of Scale Score (SS)**

<b>Raw</b>	<b>Grade 5</b>		<b>Grade 8</b>	
	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>
<b>0</b>	101		130	
<b>1</b>	145	39	170	35
<b>2</b>	169	28	192	25
<b>3</b>	183	23	205	20
<b>4</b>	194	20	214	18
<b>5</b>	202	19	222	16
<b>6</b>	210	18	228	15
<b>7</b>	217	17	234	15
<b>8</b>	223	17	239	14
<b>9</b>	229	16	244	14
<b>10</b>	235	16	249	13
<b>11</b>	241	16	254	13
<b>12</b>	247	16	258	13
<b>13</b>	253	16	262	13
<b>14</b>	258	16	266	13
<b>15</b>	264	15	270	12
<b>16</b>	269	15	274	12
<b>17</b>	274	15	278	12
<b>18</b>	280	15	282	12
<b>19</b>	285	15	286	12
<b>20</b>	290	15	290	12
<b>21</b>	295	15	294	12
<b>22</b>	**300	15	298	12
<b>23</b>	304	15	**300	13
<b>24</b>	309	15	306	13
<b>25</b>	314	15	310	13
<b>26</b>	319	15	315	13
<b>27</b>	324	15	319	13
<b>28</b>	329	15	324	14
<b>29</b>	334	15	329	14
<b>30</b>	339	15	334	14
<b>31</b>	345	16	339	15
<b>32</b>	351	16	345	16

**(Continued)**

<b>Raw</b>	<b>Grade 5</b>		<b>Grade 8</b>	
	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	357	17	352	16
<b>34</b>	364	18	360	18
<b>35</b>	372	19	368	19
<b>36</b>	***387	21	***382	21
<b>37</b>	393	24	391	23
<b>38</b>	410	30	408	28
<b>39</b>	438	42	435	39
<b>40</b>	488		481	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.7. 2021 STAAR Alternate 2 Grade 8 Social Studies  
Conditional Standard Error of Measurement (CSEM)  
of Scale Score (SS)**

<b>Grade 8</b>		
<b>Raw</b>	<b>SS</b>	<b>CSEM</b>
<b>0</b>	104	
<b>1</b>	145	36
<b>2</b>	167	26
<b>3</b>	180	21
<b>4</b>	189	19
<b>5</b>	198	18
<b>6</b>	205	17
<b>7</b>	211	16
<b>8</b>	217	15
<b>9</b>	222	15
<b>10</b>	228	15
<b>11</b>	233	15
<b>12</b>	238	14
<b>13</b>	243	14
<b>14</b>	248	14
<b>15</b>	253	14
<b>16</b>	258	14
<b>17</b>	263	14
<b>18</b>	268	14
<b>19</b>	273	14
<b>20</b>	278	14
<b>21</b>	283	14
<b>22</b>	288	14
<b>23</b>	293	15
<b>24</b>	**300	15
<b>25</b>	303	15
<b>26</b>	309	15
<b>27</b>	314	15
<b>28</b>	319	15
<b>29</b>	324	15
<b>30</b>	330	15
<b>31</b>	336	16
<b>32</b>	342	16

**(Continued)**

<b>Grade 8</b>		
<b>Raw</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	349	17
<b>34</b>	356	18
<b>35</b>	365	19
<b>36</b>	***372	21
<b>37</b>	387	24
<b>38</b>	404	29
<b>39</b>	432	41
<b>40</b>	481	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.8. 2021 STAAR Alternate 2 EOC Mathematics  
Conditional Standard Error of Measurement (CSEM)  
of Scale Score (SS)**

<b>Algebra I</b>		
<b>Raw</b>	<b>SS</b>	<b>CSEM</b>
<b>0</b>	100	
<b>1</b>	142	43
<b>2</b>	170	30
<b>3</b>	186	25
<b>4</b>	197	22
<b>5</b>	207	20
<b>6</b>	215	18
<b>7</b>	222	17
<b>8</b>	228	17
<b>9</b>	234	16
<b>10</b>	239	16
<b>11</b>	245	15
<b>12</b>	250	15
<b>13</b>	255	15
<b>14</b>	260	15
<b>15</b>	264	15
<b>16</b>	269	15
<b>17</b>	274	15
<b>18</b>	278	14
<b>19</b>	283	14
<b>20</b>	287	14
<b>21</b>	292	14
<b>22</b>	296	14
<b>23</b>	**300	14
<b>24</b>	305	15
<b>25</b>	310	15
<b>26</b>	315	15
<b>27</b>	319	15
<b>28</b>	324	15
<b>29</b>	330	16
<b>30</b>	335	16
<b>31</b>	341	17
<b>32</b>	347	17

**(Continued)**

<b>Algebra I</b>		
<b>Raw</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	354	18
<b>34</b>	***361	19
<b>35</b>	370	21
<b>36</b>	380	23
<b>37</b>	393	26
<b>38</b>	411	32
<b>39</b>	442	45
<b>40</b>	497	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.9. 2019 STAAR Alternate 2 EOC English  
Conditional Standard Error of Measurement (CSEM)  
of Scale Score (SS)**

<b>Raw</b>	<b>English I</b>		<b>English II</b>	
	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>
<b>0</b>	100		100	
<b>1</b>	145	44	143	46
<b>2</b>	173	31	173	32
<b>3</b>	190	25	191	26
<b>4</b>	202	22	204	23
<b>5</b>	212	20	214	20
<b>6</b>	220	19	222	19
<b>7</b>	227	18	229	18
<b>8</b>	234	17	235	17
<b>9</b>	240	17	241	16
<b>10</b>	246	16	247	16
<b>11</b>	251	16	252	15
<b>12</b>	257	15	257	15
<b>13</b>	262	15	262	15
<b>14</b>	266	15	266	15
<b>15</b>	271	15	271	14
<b>16</b>	276	15	275	14
<b>17</b>	281	15	280	14
<b>18</b>	285	15	284	14
<b>19</b>	290	14	288	14
<b>20</b>	294	14	293	14
<b>21</b>	**300	14	297	14
<b>22</b>	303	15	**300	14
<b>23</b>	308	15	306	14
<b>24</b>	313	15	310	15
<b>25</b>	317	15	315	15
<b>26</b>	322	15	319	15
<b>27</b>	327	15	324	15
<b>28</b>	332	15	329	15
<b>29</b>	337	16	334	16
<b>30</b>	343	16	340	16
<b>31</b>	349	17	346	17
<b>32</b>	355	17	352	18

(Continued)

<b>Raw</b>	<b>English I</b>		<b>English II</b>	
	<b>SS</b>	<b>CSEM</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	362	18	359	18
<b>34</b>	***367	19	***366	20
<b>35</b>	379	21	375	21
<b>36</b>	389	23	386	23
<b>37</b>	402	27	399	27
<b>38</b>	421	32	418	33
<b>39</b>	452	46	449	46
<b>40</b>	507		504	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.10. 2021 STAAR Alternate 2 EOC Science  
Conditional Standard Error of Measurement (CSEM)  
of Scale Score (SS)**

<b>Raw</b>	<b>Biology</b>	
	<b>SS</b>	<b>CSEM</b>
<b>0</b>	132	
<b>1</b>	171	34
<b>2</b>	192	24
<b>3</b>	204	20
<b>4</b>	214	18
<b>5</b>	222	17
<b>6</b>	228	16
<b>7</b>	234	15
<b>8</b>	240	15
<b>9</b>	245	14
<b>10</b>	251	14
<b>11</b>	256	14
<b>12</b>	260	14
<b>13</b>	265	13
<b>14</b>	270	13
<b>15</b>	274	13
<b>16</b>	279	13
<b>17</b>	284	13
<b>18</b>	288	13
<b>19</b>	293	13
<b>20</b>	297	13
<b>21</b>	**300	13
<b>22</b>	306	13
<b>23</b>	310	13
<b>24</b>	315	13
<b>25</b>	319	13
<b>26</b>	323	13
<b>27</b>	328	13
<b>28</b>	333	13
<b>29</b>	337	14
<b>30</b>	342	14
<b>31</b>	348	14
<b>32</b>	353	15

**(Continued)**

<b>Biology</b>		
<b>Raw</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	359	16
<b>34</b>	366	16
<b>35</b>	374	18
<b>36</b>	***383	19
<b>37</b>	394	22
<b>38</b>	409	27
<b>39</b>	435	38
<b>40</b>	481	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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 C.3.11. 2021 STAAR Alternate 2 EOC Social Studies  
Conditional Standard Error of Measurement (CSEM)  
of Scale Score (SS)**

<b>Raw</b>	<b>U.S. History</b>	
	<b>SS</b>	<b>CSEM</b>
<b>0</b>	110	
<b>1</b>	152	37
<b>2</b>	176	26
<b>3</b>	189	22
<b>4</b>	199	19
<b>5</b>	207	18
<b>6</b>	214	16
<b>7</b>	220	16
<b>8</b>	226	15
<b>9</b>	231	15
<b>10</b>	237	14
<b>11</b>	241	14
<b>12</b>	246	14
<b>13</b>	251	14
<b>14</b>	256	14
<b>15</b>	260	14
<b>16</b>	265	14
<b>17</b>	269	14
<b>18</b>	273	14
<b>19</b>	278	14
<b>20</b>	282	14
<b>21</b>	287	14
<b>22</b>	291	14
<b>23</b>	296	14
<b>24</b>	**300	14
<b>25</b>	305	14
<b>26</b>	310	14
<b>27</b>	315	14
<b>28</b>	320	15
<b>29</b>	325	15
<b>30</b>	331	15
<b>31</b>	337	16
<b>32</b>	343	16

**(Continued)**

<b>U.S. History</b>		
<b>Raw</b>	<b>SS</b>	<b>CSEM</b>
<b>33</b>	349	17
<b>34</b>	357	18
<b>35</b>	***368	19
<b>36</b>	375	21
<b>37</b>	388	24
<b>38</b>	405	29
<b>39</b>	434	41
<b>40</b>	484	

*Notes:*

\*\* Level II: Satisfactory Academic Performance

\*\*\* Level III: Accomplished Academic Performance

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