

APPENDIX M
CLASSICAL RELIABILITY AND SEM

Table M-1. Subgroup Reliabilities—ELA

Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
3	1	All Students	31,316	21	10.26	4.12	0.80	1.84
	1	Economically Disadvantaged	12,716	21	8.35	3.89	0.77	1.87
	1	African American	2,904	21	8.51	3.96	0.78	1.87
	1	Asian	2,463	21	11.90	3.86	0.78	1.82
	1	Hispanic	7,074	21	8.12	3.94	0.78	1.86
	1	Native American	61	21	9.80	3.69	0.77	1.78
	1	White	17,337	21	11.13	3.82	0.77	1.82
	1	Pacific Islander/Hawaiian	12	21	10.08	4.72	0.84	1.88
	1	Multi-race	1,456	21	11.03	4.10	0.80	1.82
	1	Male	15,924	21	9.94	4.09	0.80	1.82
	1	Female	15,387	21	10.59	4.13	0.80	1.86
	1	Limited English Proficient	4,418	21	6.79	3.46	0.71	1.86
	1	Former LEP	1,986	21	10.91	3.68	0.75	1.84
	1	LEPFLEP	6,404	21	8.07	4.01	0.78	1.86
	1	Special Education	5,996	21	7.47	3.79	0.76	1.87
	1	Plan504	1,266	21	10.51	3.84	0.78	1.81
	1	Title 1	16,875	21	9.00	4.03	0.79	1.87
	1	In Person CBT	25,381	21	10.30	4.09	0.80	1.83
	1	Remote CBT	5,142	23	9.99	4.22	0.81	1.85
	2	All Students	31,385	23	13.30	4.93	0.82	2.08
	2	Economically Disadvantaged	12,726	23	10.98	4.66	0.79	2.15
	2	African American	2,824	23	11.24	4.82	0.80	2.14
	2	Asian	2,380	23	15.23	4.59	0.81	1.99
	2	Hispanic	7,347	23	10.65	4.66	0.79	2.15
	2	Native American	49	23	10.92	4.82	0.80	2.13
	2	White	17,310	23	14.43	4.54	0.80	2.04
	2	Pacific Islander/Hawaiian	23	23	13.65	4.53	0.78	2.10
	2	Multi-race	1,447	23	14.13	4.92	0.83	2.04
	2	Male	15,994	23	12.83	4.91	0.82	2.09
	2	Female	15,384	23	13.79	4.91	0.82	2.07
	2	Limited English Proficient	4,584	23	9.15	4.00	0.71	2.16
	2	Former LEP	2,054	23	14.13	4.50	0.79	2.07
	2	LEPFLEP	6,638	23	10.69	4.75	0.80	2.14
	2	Special Education	5,909	23	10.09	4.41	0.76	2.15
2	Plan504	1,283	23	13.27	4.68	0.80	2.08	
2	Title 1	16,996	23	11.79	4.83	0.81	2.13	
2	In Person CBT	25,522	23	13.35	4.89	0.82	2.08	
2	Remote CBT	5,219	23	12.86	5.12	0.84	2.07	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
4	1	All Students	32,095	20	11.06	4.31	0.80	1.90
	1	Economically Disadvantaged	12,906	20	9.02	4.07	0.79	1.88
	1	African American	2,914	20	9.31	4.09	0.80	1.85
	1	Asian	2,348	20	12.89	4.09	0.78	1.93
	1	Hispanic	7,339	20	8.88	4.13	0.79	1.87
	1	Native American	69	20	9.38	4.19	0.79	1.90
	1	White	17,917	20	11.95	3.99	0.78	1.89
	1	Pacific Islander/Hawaiian	33	20	11.30	4.84	0.84	1.95
	1	Multi-race	1,469	20	11.66	4.31	0.80	1.91
	1	Male	16,334	20	10.55	4.18	0.80	1.86
	1	Female	15,756	20	11.58	4.37	0.81	1.92
	1	Limited English Proficient	3,893	20	6.96	3.50	0.73	1.81
	1	Former LEP	2,397	20	11.68	3.67	0.72	1.95
	1	LEPFLEP	6,290	20	8.76	4.24	0.80	1.90
	1	Special Education	6,386	20	8.07	3.87	0.78	1.83
	1	Plan504	1,567	20	10.86	4.05	0.79	1.86
	1	Title 1	16,950	20	9.71	4.20	0.80	1.89
	1	In Person CBT	25,842	20	11.16	4.26	0.80	1.90
	1	Remote CBT	5,417	20	10.47	4.45	0.82	1.89
	2	All Students	32,123	24	14.02	5.49	0.85	2.13
	2	Economically Disadvantaged	12,883	24	11.48	5.25	0.83	2.18
	2	African American	2,950	24	11.93	5.32	0.83	2.17
	2	Asian	2,401	24	16.04	5.26	0.85	2.04
	2	Hispanic	7,383	24	11.19	5.31	0.83	2.17
	2	Native American	73	24	12.66	5.30	0.83	2.17
	2	White	17,869	24	15.20	5.04	0.82	2.11
	2	Pacific Islander/Hawaiian	30	24	13.87	5.54	0.84	2.21
	2	Multi-race	1,411	24	14.82	5.51	0.85	2.11
	2	Male	16,444	24	13.43	5.50	0.85	2.15
	2	Female	15,675	24	14.63	5.40	0.85	2.11
	2	Limited English Proficient	3,900	24	8.53	4.21	0.74	2.16
	2	Former LEP	2,381	24	14.89	4.56	0.78	2.14
2	LEPFLEP	6,281	24	10.94	5.33	0.83	2.17	
2	Special Education	6,306	24	9.94	5.03	0.81	2.18	
2	Plan504	1,686	24	13.95	5.07	0.82	2.16	
2	Title 1	16,970	24	12.36	5.40	0.84	2.17	
2	In Person CBT	26,009	24	14.10	5.45	0.85	2.14	
2	Remote CBT	5,478	24	13.53	5.66	0.86	2.13	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
5	1	All Students	32,412	21	12.06	4.26	0.79	1.97
	1	Economically Disadvantaged	12,828	21	10.15	4.20	0.77	2.02
	1	African American	2,866	21	10.41	4.19	0.77	2.00
	1	Asian	2,379	21	13.67	4.14	0.79	1.92
	1	Hispanic	7,335	21	9.94	4.31	0.78	2.02
	1	Native American	67	21	11.57	3.95	0.77	1.91
	1	White	18,347	21	12.92	3.87	0.75	1.93
	1	Pacific Islander/Hawaiian	21	21	14.00	4.90	0.84	1.96
	1	Multi-race	1,392	21	12.70	4.16	0.78	1.94
	1	Male	16,500	21	11.57	4.28	0.79	1.97
	1	Female	15,904	21	12.57	4.18	0.78	1.96
	1	Limited English Proficient	2,708	21	6.96	3.62	0.70	1.97
	1	Former LEP	3,547	21	11.99	3.73	0.71	2.01
	1	LEPFLEP	6,255	21	9.81	4.45	0.79	2.02
	1	Special Education	6,458	21	8.80	4.06	0.76	2.00
	1	Plan504	1,986	21	12.09	3.86	0.75	1.95
	1	Title 1	15,141	21	10.68	4.29	0.78	2.01
	1	In Person CBT	26,101	21	12.20	4.22	0.78	1.96
	1	Remote CBT	5,670	21	11.35	4.35	0.79	1.98
	2	All Students	32,192	27	15.10	5.39	0.82	2.26
	2	Economically Disadvantaged	12,633	27	12.38	5.17	0.81	2.28
	2	African American	2,996	27	12.64	5.15	0.80	2.28
	2	Asian	2,327	27	17.67	5.01	0.81	2.18
	2	Hispanic	7,146	27	12.12	5.28	0.81	2.28
	2	Native American	63	27	13.68	5.69	0.84	2.25
	2	White	18,230	27	16.30	4.86	0.79	2.23
	2	Pacific Islander/Hawaiian	27	27	13.96	5.72	0.85	2.19
	2	Multi-race	1,399	27	15.79	5.34	0.82	2.26
	2	Male	16,553	27	14.74	5.35	0.82	2.25
	2	Female	15,631	27	15.48	5.41	0.83	2.26
	2	Limited English Proficient	2,639	27	8.58	4.09	0.71	2.21
	2	Former LEP	3,623	27	14.66	4.79	0.77	2.30
	2	Special Education	6,294	27	11.04	4.85	0.78	2.26
	2	LEPFLEP	6,262	27	12.10	5.42	0.82	2.29
2	Plan504	1,973	27	15.18	4.81	0.78	2.25	
2	Title 1	14,997	27	13.21	5.35	0.82	2.28	
2	In Person CBT	26,230	27	15.28	5.32	0.82	2.26	
2	Remote CBT	5,557	27	14.11	5.59	0.84	2.27	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
6	1	All Students	32,809	21	11.17	4.40	0.77	2.11
	1	Economically Disadvantaged	12,877	21	9.24	4.16	0.75	2.07
	1	African American	3,101	21	9.36	4.13	0.75	2.08
	1	Asian	2,384	21	13.15	4.15	0.74	2.12
	1	Hispanic	7,189	21	9.09	4.24	0.76	2.08
	1	Native American	81	21	10.17	4.28	0.76	2.11
	1	White	18,540	21	11.99	4.13	0.75	2.09
	1	Pacific Islander/Hawaiian	30	21	12.27	4.29	0.78	2.00
	1	Multi-race	1,477	21	11.53	4.53	0.78	2.12
	1	Male	16,905	21	10.42	4.34	0.77	2.09
	1	Female	15,890	21	11.96	4.32	0.76	2.11
	1	Limited English Proficient	2,108	21	5.92	3.01	0.61	1.87
	1	Former LEP	3,792	21	10.50	3.84	0.70	2.12
	1	LEPFLEP	5,900	21	8.86	4.19	0.75	2.09
	1	Special Education	6,311	21	7.69	3.72	0.72	1.98
	1	Plan504	2,161	21	10.97	4.00	0.73	2.08
	1	Title 1	13,654	21	9.81	4.34	0.76	2.11
	1	In Person CBT	26,162	21	11.35	4.37	0.77	2.11
	1	Remote CBT	6,302	21	10.43	4.43	0.78	2.10
	2	All Students	32,801	29	15.34	6.65	0.86	2.48
	2	Economically Disadvantaged	12,959	29	12.15	6.14	0.84	2.47
	2	African American	3,141	29	12.42	6.16	0.84	2.47
	2	Asian	2,432	29	19.00	6.17	0.85	2.37
	2	Hispanic	7,332	29	12.00	6.23	0.84	2.47
	2	Native American	82	29	14.74	6.12	0.84	2.47
	2	White	18,438	29	16.64	6.24	0.84	2.46
	2	Pacific Islander/Hawaiian	36	29	15.03	7.35	0.89	2.47
	2	Multi-race	1,336	29	15.93	6.56	0.86	2.49
	2	Male	16,882	29	14.71	6.61	0.86	2.46
	2	Female	15,907	29	16.01	6.62	0.86	2.48
	2	Limited English Proficient	2,124	29	7.29	4.13	0.70	2.26
	2	Former LEP	3,927	29	14.24	5.91	0.82	2.50
	2	LEPFLEP	6,051	29	11.80	6.30	0.85	2.47
	2	Special Education	6,534	29	10.26	5.60	0.82	2.39
2	Plan504	2,131	29	15.37	6.17	0.84	2.48	
2	Title 1	13,883	29	13.00	6.43	0.85	2.49	
2	In Person CBT	26,204	29	15.61	6.57	0.86	2.48	
2	Remote CBT	6,372	29	14.17	6.82	0.87	2.46	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
7	1	All Students	33,423	22	11.27	4.99	0.81	2.20
	1	Economically Disadvantaged	12,852	22	9.02	4.70	0.79	2.16
	1	African American	3,172	22	9.28	4.75	0.79	2.17
	1	Asian	2,490	22	13.84	4.62	0.79	2.14
	1	Hispanic	7,181	22	8.92	4.80	0.80	2.16
	1	Native American	75	22	9.76	5.01	0.82	2.14
	1	White	19,108	22	12.13	4.69	0.78	2.19
	1	Pacific Islander/Hawaiian	34	22	10.76	5.69	0.84	2.25
	1	Multi-race	1,356	22	11.59	5.12	0.82	2.19
	1	Male	17,110	22	10.29	4.85	0.80	2.19
	1	Female	16,287	22	12.30	4.92	0.80	2.18
	1	Limited English Proficient	2,281	22	5.35	3.25	0.65	1.92
	1	Former LEP	3,334	22	10.27	4.32	0.74	2.21
	1	LEPFLEP	5,615	22	8.27	4.61	0.78	2.14
	1	Special Education	6,450	22	7.28	4.11	0.75	2.05
	1	Plan504	2,326	22	11.01	4.61	0.78	2.19
	1	Title 1	13,385	22	9.67	4.86	0.80	2.18
	1	In Person CBT	25,992	22	11.42	4.98	0.80	2.20
	1	Remote CBT	7,047	22	10.65	4.98	0.81	2.17
	2	All Students	33,305	28	15.85	5.90	0.84	2.33
	2	Economically Disadvantaged	12,889	28	13.04	5.68	0.83	2.33
	2	African American	3,084	28	13.28	5.72	0.83	2.34
	2	Asian	2,446	28	18.98	5.39	0.83	2.25
	2	Hispanic	7,353	28	12.81	5.76	0.84	2.34
	2	Native American	72	28	14.86	5.96	0.85	2.33
	2	White	19,028	28	17.00	5.41	0.82	2.30
	2	Pacific Islander/Hawaiian	26	28	15.96	4.77	0.74	2.44
	2	Multi-race	1,288	28	16.59	5.78	0.84	2.30
	2	Male	17,108	28	15.16	5.86	0.84	2.32
	2	Female	16,175	28	16.58	5.84	0.84	2.31
	2	Limited English Proficient	2,280	28	8.44	4.02	0.69	2.23
	2	Former LEP	3,340	28	14.64	5.20	0.79	2.38
	2	LEPFLEP	5,620	28	12.12	5.65	0.83	2.36
	2	Special Education	6,242	28	10.99	5.16	0.80	2.29
2	Plan504	2,310	28	15.76	5.44	0.82	2.30	
2	Title 1	13,375	28	13.76	5.82	0.84	2.33	
2	In Person CBT	26,118	28	16.06	5.86	0.84	2.33	
2	Remote CBT	6,939	28	14.99	5.95	0.85	2.31	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
8	1	All Students	33,567	21	11.42	4.95	0.84	2.00
	1	Economically Disadvantaged	12,670	21	9.06	4.77	0.83	1.98
	1	African American	3,129	21	9.34	4.77	0.83	1.98
	1	Asian	2,440	21	14.04	4.44	0.82	1.89
	1	Hispanic	7,254	21	8.97	4.88	0.83	2.00
	1	Native American	88	21	9.77	4.99	0.85	1.94
	1	White	19,315	21	12.32	4.59	0.82	1.97
	1	Pacific Islander/Hawaiian	34	21	10.56	5.42	0.89	1.82
	1	Multi-race	1,296	21	11.95	4.90	0.83	2.01
	1	Male	17,136	21	10.61	4.95	0.84	1.99
	1	Female	16,404	21	12.26	4.82	0.83	1.97
	1	Limited English Proficient	2,209	21	5.01	3.20	0.69	1.78
	1	Former LEP	2,284	21	10.24	4.23	0.77	2.01
	1	LEPFLEP	4,493	21	7.67	4.58	0.82	1.97
	1	Special Education	6,239	21	7.37	4.32	0.81	1.90
	1	Plan504	2,524	21	11.19	4.53	0.81	1.98
	1	Title 1	12,748	21	9.73	4.91	0.83	2.01
	1	In Person CBT	25,883	21	11.64	4.93	0.84	2.00
	1	Remote CBT	7,270	21	10.63	4.98	0.84	2.00
	2	All Students	33,191	29	17.56	6.00	0.85	2.35
	2	Economically Disadvantaged	12,416	29	14.70	5.98	0.84	2.37
	2	African American	3,129	29	15.25	5.86	0.84	2.37
	2	Asian	2,405	29	21.00	5.33	0.83	2.23
	2	Hispanic	7,126	29	14.58	6.13	0.85	2.38
	2	Native American	60	29	16.77	4.76	0.77	2.28
	2	White	19,187	29	18.59	5.45	0.82	2.30
	2	Pacific Islander/Hawaiian	30	29	15.87	5.37	0.78	2.54
	2	Multi-race	1,248	29	18.01	6.19	0.85	2.36
	2	Male	17,045	29	16.57	5.96	0.85	2.34
	2	Female	16,113	29	18.61	5.85	0.84	2.32
	2	Title 1	12,389	29	15.51	6.09	0.85	2.38
	2	LEPFLEP	4,499	29	13.17	6.02	0.84	2.40
	2	Limited English Proficient	2,240	29	9.79	4.71	0.76	2.32
	2	Former LEP	2,259	29	16.52	5.25	0.79	2.38
2	Special Education	6,158	29	12.46	5.46	0.81	2.35	
2	Plan504	2,413	29	17.29	5.47	0.82	2.31	
2	In Person CBT	25,901	29	17.78	5.95	0.84	2.34	
2	Remote CBT	6,964	29	16.73	6.13	0.86	2.33	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
10	--	All Students	63,485	51	35.79	9.97	0.91	3.07
	--	Economically Disadvantaged	21,141	51	30.23	10.93	0.91	3.31
	--	African American	5,591	51	30.73	10.30	0.90	3.27
	--	Asian	4,345	51	39.79	8.34	0.89	2.71
	--	Hispanic	12,091	51	29.37	11.51	0.92	3.33
	--	Native American	151	51	31.70	10.24	0.90	3.26
	--	White	39,036	51	38.01	8.31	0.88	2.92
	--	Pacific Islander/Hawaiian	52	51	35.94	10.93	0.92	3.08
	--	Multi-race	2,219	51	37.02	9.23	0.89	3.00
	--	Male	32,262	51	34.55	10.39	0.91	3.13
	--	Female	31,132	51	37.08	9.36	0.90	2.95
	--	Limited English Proficient	3,830	51	16.72	8.84	0.87	3.21
	--	Former LEP	2,641	51	31.91	8.22	0.84	3.25
	--	LEPFLEP	6,471	51	22.92	11.38	0.91	3.40
	--	Special Education	10,617	51	27.26	10.10	0.89	3.33
	--	Plan504	5,017	51	36.59	8.31	0.87	3.02
	--	Title 1	19,615	51	31.56	10.62	0.91	3.25
	--	In Person CBT	61,510	51	35.79	9.96	0.91	3.07
--	Remote CBT	0	--	--	--	--	--	

*Dashes in the Session column indicate a single session.

Table M-2. Subgroup Reliabilities—Mathematics

Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
3	1	All Students	31,459	24	11.34	5.87	0.87	2.14
	1	Economically Disadvantaged	12,791	24	8.32	5.07	0.83	2.07
	1	African American	2,892	24	8.19	5.16	0.84	2.05
	1	Asian	2,381	24	14.89	5.66	0.86	2.09
	1	Hispanic	7,324	24	7.97	4.99	0.83	2.04
	1	Native American	62	24	10.66	5.69	0.86	2.13
	1	White	17,341	24	12.72	5.48	0.85	2.14
	1	Pacific Islander/Hawaiian	15	24	11.13	5.53	0.85	2.14
	1	Multi-race	1,440	24	12.30	5.91	0.87	2.14
	1	Male	15,972	24	11.60	5.98	0.87	2.14
	1	Female	15,480	24	11.07	5.75	0.86	2.14
	1	Limited English Proficient	4,573	24	7.04	4.59	0.81	1.99
	1	Former LEP	2,077	24	12.37	5.62	0.86	2.14
	1	LEPFLEP	6,650	24	8.71	5.52	0.86	2.07
	1	Special Education	6,038	24	7.76	5.13	0.84	2.05
	1	Plan504	1,285	24	11.46	5.60	0.85	2.15
	1	Title 1	17,045	24	9.31	5.40	0.85	2.10
	1	In Person CBT	25,437	24	11.42	5.86	0.87	2.14
	1	Remote CBT	5,206	24	10.76	5.92	0.87	2.13
	2	All Students	31,241	24	11.64	5.99	0.87	2.19
	2	Economically Disadvantaged	12,641	24	8.61	5.22	0.83	2.13
	2	African American	2,829	24	8.66	5.35	0.84	2.14
	2	Asian	2,466	24	15.52	5.77	0.87	2.09
	2	Hispanic	7,109	24	8.36	5.21	0.83	2.12
	2	Native American	47	24	9.06	5.98	0.87	2.12
	2	White	17,288	24	12.86	5.59	0.85	2.19
	2	Pacific Islander/Hawaiian	20	24	13.10	5.71	0.86	2.13
	2	Multi-race	1,471	24	12.41	6.16	0.87	2.19
	2	Male	15,973	24	11.74	6.05	0.87	2.17
	2	Female	15,264	24	11.53	5.92	0.86	2.20
	2	Limited English Proficient	4,434	24	7.53	4.92	0.82	2.07
	2	Former LEP	1,966	24	12.71	5.91	0.86	2.19
	2	LEPFLEP	6,400	24	9.12	5.76	0.86	2.14
	2	Special Education	5,885	24	8.02	5.30	0.84	2.10
2	Plan504	1,266	24	11.42	5.72	0.85	2.19	
2	Title 1	16,820	24	9.60	5.56	0.85	2.16	
2	In Person CBT	25,495	24	11.65	5.96	0.87	2.19	
2	Remote CBT	5,141	24	11.23	6.12	0.87	2.17	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
4	1	All Students	32,189	27	13.65	6.82	0.88	2.37
	1	Economically Disadvantaged	12,936	27	10.01	5.94	0.85	2.31
	1	African American	2,860	27	9.88	5.89	0.85	2.31
	1	Asian	2,380	27	17.99	6.55	0.88	2.25
	1	Hispanic	7,383	27	9.67	5.92	0.85	2.29
	1	Native American	64	27	11.23	5.91	0.85	2.33
	1	White	18,000	27	15.26	6.29	0.86	2.34
	1	Pacific Islander/Hawaiian	28	27	13.39	7.85	0.90	2.49
	1	Multi-race	1,468	27	14.33	6.99	0.89	2.36
	1	Male	16,462	27	13.84	6.90	0.88	2.36
	1	Female	15,722	27	13.44	6.74	0.88	2.38
	1	Limited English Proficient	3,883	27	7.69	5.12	0.82	2.16
	1	Former LEP	2,395	27	14.41	6.26	0.86	2.35
	1	LEPFLEP	6,278	27	10.25	6.47	0.87	2.32
	1	Special Education	6,410	27	9.04	5.89	0.85	2.26
	1	Plan504	1,651	27	13.54	6.44	0.87	2.36
	1	Title 1	16,885	27	11.22	6.36	0.86	2.35
	1	In Person CBT	25,865	27	13.86	6.80	0.88	2.36
	1	Remote CBT	5,462	27	12.42	6.89	0.88	2.40
	2	All Students	32,026	27	12.96	6.83	0.89	2.29
	2	Economically Disadvantaged	12,858	27	9.23	5.86	0.85	2.25
	2	African American	2,993	27	8.98	5.77	0.85	2.23
	2	Asian	2,374	27	17.60	6.53	0.89	2.18
	2	Hispanic	7,369	27	8.82	5.74	0.85	2.23
	2	Native American	78	27	10.46	5.86	0.85	2.26
	2	White	17,763	27	14.68	6.28	0.87	2.28
	2	Pacific Islander/Hawaiian	34	27	11.74	8.17	0.93	2.14
	2	Multi-race	1,408	27	13.80	6.94	0.89	2.27
	2	Male	16,339	27	13.39	6.94	0.89	2.28
	2	Female	15,683	27	12.52	6.69	0.88	2.30
	2	Limited English Proficient	3,940	27	7.07	5.01	0.82	2.11
	2	Former LEP	2,384	27	13.45	6.41	0.87	2.30
	2	LEPFLEP	6,324	27	9.47	6.38	0.88	2.23
	2	Special Education	6,279	27	8.49	5.87	0.86	2.20
2	Plan504	1,597	27	13.04	6.50	0.87	2.31	
2	Title 1	17,025	27	10.44	6.26	0.87	2.28	
2	In Person CBT	25,892	27	13.10	6.78	0.89	2.29	
2	Remote CBT	5,529	27	12.04	7.04	0.89	2.31	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
5	1	All Students	32,411	27	13.06	6.47	0.84	2.56
	1	Economically Disadvantaged	12,748	27	9.72	5.47	0.79	2.49
	1	African American	2,929	27	9.74	5.49	0.80	2.48
	1	Asian	2,320	27	17.63	6.46	0.86	2.42
	1	Hispanic	7,297	27	9.44	5.45	0.80	2.46
	1	Native American	69	27	11.49	6.29	0.83	2.57
	1	White	18,365	27	14.43	6.07	0.83	2.54
	1	Pacific Islander/Hawaiian	29	27	13.97	7.71	0.90	2.47
	1	Multi-race	1,395	27	13.52	6.65	0.85	2.54
	1	Male	16,588	27	13.21	6.62	0.85	2.54
	1	Female	15,815	27	12.90	6.29	0.83	2.57
	1	LEPFLEP	6,263	27	9.99	6.08	0.83	2.49
	1	Limited English Proficient	2,715	27	6.74	4.35	0.74	2.23
	1	Former LEP	3,548	27	12.48	6.04	0.82	2.56
	1	Special Education	6,380	27	8.58	5.38	0.80	2.42
	1	Plan504	2,018	27	13.09	6.08	0.82	2.56
	1	Title 1	15,032	27	10.56	5.83	0.81	2.51
	1	In Person CBT	26,131	27	13.28	6.46	0.84	2.55
	1	Remote CBT	5,631	27	12.21	6.44	0.84	2.55
	2	All Students	32,116	27	12.05	6.40	0.85	2.51
	2	Economically Disadvantaged	12,669	27	8.66	5.17	0.78	2.40
	2	African American	2,929	27	8.61	5.23	0.79	2.39
	2	Asian	2,384	27	16.88	6.57	0.87	2.38
	2	Hispanic	7,170	27	8.41	5.18	0.79	2.40
	2	Native American	61	27	10.46	5.87	0.82	2.51
	2	White	18,156	27	13.34	6.02	0.83	2.49
	2	Pacific Islander/Hawaiian	19	27	15.11	7.26	0.88	2.55
	2	Multi-race	1,395	27	13.10	6.64	0.86	2.53
	2	Male	16,412	27	12.10	6.60	0.86	2.51
	2	Female	15,696	27	12.01	6.18	0.84	2.50
	2	Limited English Proficient	2,659	27	6.12	4.29	0.74	2.18
	2	Former LEP	3,602	27	11.45	5.90	0.82	2.49
	2	LEPFLEP	6,261	27	9.18	5.90	0.83	2.44
	2	Special Education	6,315	27	7.65	5.12	0.79	2.33
2	Plan504	1,928	27	11.62	5.89	0.82	2.49	
2	Title 1	15,061	27	9.53	5.62	0.81	2.45	
2	In Person CBT	26,077	27	12.22	6.39	0.85	2.50	
2	Remote CBT	5,645	27	11.10	6.36	0.85	2.50	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
6	1	All Students	32,843	27	12.01	6.64	0.86	2.48
	1	Economically Disadvantaged	12,943	27	8.70	5.41	0.81	2.34
	1	African American	3,198	27	8.53	5.30	0.81	2.34
	1	Asian	2,407	27	17.59	6.81	0.88	2.38
	1	Hispanic	7,219	27	8.54	5.30	0.81	2.33
	1	Native American	85	27	11.13	6.29	0.85	2.46
	1	White	18,455	27	13.19	6.33	0.85	2.48
	1	Pacific Islander/Hawaiian	36	27	12.31	6.80	0.87	2.45
	1	Multi-race	1,434	27	12.65	7.11	0.88	2.49
	1	Male	16,867	27	11.78	6.69	0.87	2.46
	1	Female	15,956	27	12.25	6.58	0.86	2.49
	1	Limited English Proficient	2,108	27	5.82	4.06	0.75	2.05
	1	Former LEP	3,832	27	10.80	6.09	0.84	2.42
	1	LEPFLEP	5,940	27	9.03	5.95	0.84	2.36
	1	Special Education	6,523	27	7.24	4.82	0.78	2.23
	1	Plan504	2,148	27	11.66	6.15	0.84	2.46
	1	Title 1	13,784	27	9.55	5.83	0.83	2.40
	1	In Person CBT	26,153	27	12.19	6.66	0.86	2.47
	1	Remote CBT	6,322	27	11.25	6.53	0.86	2.45
	2	All Students	32,678	27	11.70	6.13	0.84	2.44
	2	Economically Disadvantaged	12,877	27	8.57	5.05	0.78	2.34
	2	African American	3,057	27	8.62	5.05	0.78	2.34
	2	Asian	2,410	27	16.83	6.43	0.87	2.33
	2	Hispanic	7,286	27	8.30	5.05	0.79	2.33
	2	Native American	75	27	11.00	5.49	0.81	2.41
	2	White	18,429	27	12.85	5.73	0.82	2.43
	2	Pacific Islander/Hawaiian	31	27	13.26	6.41	0.86	2.42
	2	Multi-race	1,386	27	12.11	6.23	0.85	2.45
	2	Male	16,879	27	11.68	6.19	0.84	2.44
	2	Female	15,790	27	11.72	6.06	0.84	2.45
	2	Limited English Proficient	2,124	27	5.40	3.75	0.71	2.02
	2	Former LEP	3,887	27	10.69	5.70	0.82	2.40
	2	LEPFLEP	6,011	27	8.82	5.69	0.83	2.36
	2	Special Education	6,282	27	7.34	4.72	0.78	2.23
2	Plan504	2,137	27	11.46	5.57	0.81	2.41	
2	Title 1	13,765	27	9.32	5.42	0.81	2.39	
2	In Person CBT	26,082	27	11.92	6.07	0.84	2.44	
2	Remote CBT	6,383	27	10.75	6.28	0.85	2.45	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
7	1	All Students	33,404	27	11.86	7.01	0.88	2.41
	1	Economically Disadvantaged	12,848	27	8.48	5.76	0.84	2.30
	1	African American	3,143	27	8.58	5.86	0.85	2.30
	1	Asian	2,484	27	18.08	7.02	0.89	2.30
	1	Hispanic	7,225	27	8.32	5.76	0.84	2.29
	1	Native American	75	27	9.25	6.52	0.87	2.31
	1	White	19,133	27	12.92	6.69	0.87	2.42
	1	Pacific Islander/Hawaiian	31	27	12.32	7.15	0.88	2.49
	1	Multi-race	1,304	27	12.17	7.30	0.89	2.42
	1	Male	17,159	27	12.06	7.14	0.89	2.40
	1	Female	16,215	27	11.64	6.87	0.88	2.42
	1	Limited English Proficient	2,303	27	5.37	4.40	0.79	2.01
	1	Former LEP	3,327	27	10.62	6.30	0.85	2.41
	1	LEPFLEP	5,630	27	8.47	6.16	0.86	2.29
	1	Special Education	6,449	27	6.55	5.12	0.83	2.12
	1	Plan504	2,292	27	11.14	6.30	0.86	2.38
	1	Title 1	13,330	27	9.42	6.25	0.86	2.35
	1	In Person CBT	26,056	27	11.84	7.04	0.89	2.38
	1	Remote CBT	6,966	27	11.91	6.92	0.87	2.46
	2	All Students	33,232	27	10.16	5.94	0.86	2.21
	2	Economically Disadvantaged	12,848	27	7.35	4.60	0.81	2.02
	2	African American	3,134	27	7.26	4.36	0.79	2.00
	2	Asian	2,465	27	15.51	6.71	0.88	2.35
	2	Hispanic	7,301	27	7.17	4.58	0.81	2.01
	2	Native American	69	27	8.67	5.28	0.84	2.13
	2	White	18,900	27	11.07	5.71	0.84	2.25
	2	Pacific Islander/Hawaiian	30	27	9.77	5.35	0.84	2.17
	2	Multi-race	1,327	27	10.58	6.27	0.87	2.25
	2	Male	17,062	27	10.24	6.05	0.87	2.21
	2	Female	16,151	27	10.07	5.82	0.86	2.21
	2	Limited English Proficient	2,252	27	4.74	3.16	0.69	1.76
	2	Former LEP	3,341	27	8.82	5.17	0.83	2.12
	2	LEPFLEP	5,593	27	7.18	4.90	0.83	2.02
	2	Special Education	6,206	27	5.97	4.00	0.78	1.88
2	Plan504	2,330	27	9.76	5.41	0.84	2.19	
2	Title 1	13,398	27	8.01	4.95	0.82	2.07	
2	In Person CBT	25,911	27	10.28	5.93	0.86	2.22	
2	Remote CBT	7,061	27	9.59	5.91	0.86	2.19	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
8	1	All Students	33,473	27	11.53	6.56	0.87	2.40
	1	Economically Disadvantaged	12,570	27	8.45	5.29	0.83	2.21
	1	African American	3,136	27	8.58	5.39	0.83	2.23
	1	Asian	2,422	27	17.94	6.97	0.88	2.43
	1	Hispanic	7,235	27	8.39	5.21	0.82	2.20
	1	Native American	86	27	8.42	5.00	0.82	2.15
	1	White	19,266	27	12.36	6.26	0.85	2.41
	1	Pacific Islander/Hawaiian	34	27	9.38	5.57	0.82	2.36
	1	Multi-race	1,283	27	12.10	7.10	0.88	2.43
	1	Male	17,150	27	11.37	6.62	0.87	2.37
	1	Female	16,293	27	11.69	6.49	0.86	2.43
	1	Limited English Proficient	2,271	27	5.98	3.93	0.75	1.96
	1	Former LEP	2,291	27	10.25	5.98	0.85	2.35
	1	LEPFLEP	4,562	27	8.12	5.50	0.84	2.20
	1	Special Education	6,252	27	6.85	4.43	0.79	2.05
	1	Plan504	2,449	27	10.67	5.82	0.84	2.32
	1	Title 1	12,602	27	9.44	5.83	0.85	2.29
	1	In Person CBT	25,854	27	11.52	6.51	0.87	2.39
	1	Remote CBT	7,200	27	11.52	6.75	0.87	2.42
	2	All Students	33,287	27	12.74	6.56	0.87	2.36
	2	Economically Disadvantaged	12,559	27	9.49	5.63	0.83	2.30
	2	African American	3,161	27	9.43	5.64	0.83	2.30
	2	Asian	2,438	27	18.16	6.58	0.89	2.22
	2	Hispanic	7,149	27	9.46	5.72	0.84	2.31
	2	Native American	63	27	11.27	6.54	0.88	2.30
	2	White	19,186	27	13.79	6.14	0.85	2.36
	2	Pacific Islander/Hawaiian	30	27	11.07	5.25	0.82	2.25
	2	Multi-race	1,253	27	13.22	6.88	0.88	2.36
	2	Male	17,067	27	12.55	6.60	0.87	2.35
	2	Female	16,191	27	12.93	6.50	0.87	2.37
	2	Limited English Proficient	2,201	27	6.15	4.15	0.76	2.04
	2	Former LEP	2,254	27	11.46	5.96	0.85	2.35
	2	LEPFLEP	4,455	27	8.84	5.79	0.85	2.26
	2	Special Education	6,120	27	7.47	4.83	0.80	2.17
2	Plan504	2,468	27	12.10	5.81	0.84	2.36	
2	Title 1	12,567	27	10.33	6.02	0.85	2.34	
2	In Person CBT	25,781	27	13.00	6.50	0.87	2.36	
2	Remote CBT	7,171	27	11.75	6.70	0.87	2.38	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
10	--	All Students	63,198	60	31.72	15.01	0.94	3.75
	--	Economically Disadvantaged	20,960	60	23.17	12.68	0.92	3.61
	--	African American	5,571	60	23.10	12.20	0.91	3.61
	--	Asian	4,343	60	43.66	14.49	0.95	3.36
	--	Hispanic	11,966	60	22.53	12.70	0.92	3.58
	--	Native American	148	60	25.28	13.09	0.92	3.64
	--	White	38,918	60	34.36	14.03	0.93	3.73
	--	Pacific Islander/Hawaiian	52	60	32.79	14.53	0.94	3.68
	--	Multi-race	2,200	60	33.61	15.79	0.94	3.74
	--	Male	32,127	60	31.35	15.32	0.94	3.74
	--	Female	30,982	60	32.11	14.68	0.93	3.75
	--	Limited English Proficient	3,808	60	13.70	7.34	0.82	3.08
	--	Former LEP	2,624	60	25.31	12.90	0.92	3.67
	--	LEPFLEP	6,432	60	18.43	11.50	0.91	3.41
	--	Special Education	10,540	60	19.06	10.60	0.89	3.45
	--	Plan504	4,987	60	31.35	13.59	0.92	3.75
	--	Title 1	19,457	60	25.04	13.18	0.92	3.66
	--	In Person CBT	61,202	60	31.69	15.02	0.94	3.74
--	Remote CBT	0	--	--	--	--	--	

*Dashes in the Session column indicate a single session.

Table M-3. Subgroup Reliabilities—STE

Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
5	1	All Students	31,849	27	14.43	5.85	0.82	2.47
	1	Economically Disadvantaged	12,545	27	11.51	5.40	0.79	2.48
	1	African American	2,880	27	11.24	5.33	0.79	2.47
	1	Asian	2,318	27	16.98	5.63	0.82	2.39
	1	Hispanic	7,170	27	11.20	5.39	0.79	2.47
	1	Native American	59	27	13.20	5.89	0.82	2.52
	1	White	18,047	27	15.84	5.38	0.79	2.44
	1	Pacific Islander/Hawaiian	19	27	16.58	5.46	0.79	2.51
	1	Multi-race	1,352	27	15.22	5.91	0.83	2.44
	1	Male	16,444	27	14.66	5.95	0.83	2.45
	1	Female	15,398	27	14.18	5.74	0.81	2.47
	1	Limited English Proficient	2,639	27	8.00	4.13	0.69	2.31
	1	Former LEP	3,507	27	13.59	5.23	0.77	2.50

continued

Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
5	1	LEPFLEP	6,146	27	11.19	5.53	0.80	2.46
	1	Special Education	6,344	27	10.63	5.42	0.80	2.43
	1	Plan504	1,940	27	14.75	5.62	0.81	2.47
	1	Title 1	14,777	27	12.21	5.58	0.80	2.49
	1	In Person CBT	25,566	27	14.68	5.76	0.82	2.47
	1	Remote CBT	5,655	27	13.26	6.11	0.84	2.46
	2	All Students	31,876	27	14.54	5.36	0.83	2.24
	2	Economically Disadvantaged	12,592	27	11.80	5.00	0.80	2.27
	2	African American	2,848	27	11.70	4.89	0.78	2.28
	2	Asian	2,324	27	16.90	5.14	0.82	2.19
	2	Hispanic	7,155	27	11.55	5.02	0.80	2.27
	2	Native American	71	27	13.58	4.88	0.78	2.29
	2	White	18,048	27	15.80	4.89	0.80	2.20
	2	Pacific Islander/Hawaiian	27	27	15.85	6.13	0.86	2.33
	2	Multi-race	1,397	27	15.35	5.51	0.84	2.22
	2	Male	16,170	27	14.63	5.43	0.83	2.23
	2	Female	15,696	27	14.44	5.28	0.82	2.24
	2	Title 1	14,876	27	12.53	5.18	0.81	2.26
	2	Limited English Proficient	2,684	27	8.51	4.06	0.70	2.21
	2	Former LEP	3,556	27	13.91	4.83	0.78	2.27
	2	LEPFLEP	6,240	27	11.59	5.25	0.81	2.26
	2	Special Education	6,233	27	11.20	5.16	0.81	2.25
	2	Plan504	1,957	27	15.04	4.95	0.80	2.23
	3	All Students	666	41	24.19	8.34	0.89	2.83
	3	Economically Disadvantaged	188	41	19.21	8.06	0.87	2.90
	3	African American	104	41	17.52	7.30	0.84	2.91
	3	Asian	57	41	27.82	7.21	0.86	2.74
	3	Hispanic	85	41	19.32	8.34	0.88	2.89
	3	Native American	1	---	--	--	--	--
	3	White	378	41	26.50	7.00	0.84	2.77
	3	Pacific Islander/Hawaiian	2	--	--	--	--	--
	3	Multi-race	39	41	25.82	9.72	0.92	2.71
	3	Male	327	41	24.43	8.46	0.89	2.79
3	Female	339	41	23.97	8.22	0.88	2.86	
3	Limited English Proficient	30	41	13.00	5.95	0.78	2.77	
3	Former LEP	78	41	21.44	7.79	0.86	2.90	
3	LEPFLEP	108	41	19.09	8.23	0.88	2.88	
3	Special Education	105	41	16.79	8.10	0.88	2.83	
3	Plan504	38	41	25.05	6.35	0.80	2.86	
3	Title 1	330	41	21.60	8.61	0.89	2.87	
3	In Person CBT	666	41	24.19	8.34	0.89	2.83	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
5	3	Remote CBT	0	--	--	--	--	--
	3	In Person CBT	25,908	41	14.72	5.28	0.82	2.23
	3	Remote CBT	5,584	41	13.51	5.60	0.84	2.26
8	1	All Students	25,652	27	14.40	5.34	0.82	2.26
	1	Economically Disadvantaged	8,471	27	11.44	4.99	0.79	2.26
	1	African American	2,080	27	11.20	4.86	0.78	2.25
	1	Asian	1,500	27	17.32	4.97	0.81	2.16
	1	Hispanic	4,646	27	11.25	5.08	0.80	2.26
	1	Native American	52	27	13.08	5.71	0.83	2.37
	1	White	16,377	27	15.41	4.92	0.79	2.25
	1	Pacific Islander/Hawaiian	20	27	12.95	5.18	0.80	2.32
	1	Multi-race	971	27	14.85	5.41	0.82	2.26
	1	Male	13,347	27	14.42	5.46	0.83	2.24
	1	Female	12,282	27	14.38	5.20	0.81	2.29
	1	Limited English Proficient	1,565	27	7.67	3.73	0.67	2.13
	1	Former LEP	1,443	27	12.65	4.72	0.76	2.29
	1	LEPFLEP	3,008	27	10.06	4.91	0.79	2.23
	1	Special Education	5,029	27	10.38	4.85	0.79	2.23
	1	Plan504	2,031	27	14.49	4.94	0.79	2.26
	1	Title 1	7,795	27	12.07	5.13	0.81	2.26
	1	In Person CBT	25,234	27	14.40	5.33	0.82	2.26
	1	Remote CBT	0	--	--	--	--	--
	2	All Students	25,614	27	12.80	5.28	0.81	2.29
	2	Economically Disadvantaged	8,270	27	9.93	4.58	0.77	2.22
	2	African American	2,067	27	9.77	4.51	0.76	2.21
	2	Asian	1,454	27	15.99	5.52	0.83	2.27
2	Hispanic	4,518	27	9.75	4.59	0.77	2.21	
2	Native American	66	27	10.73	4.23	0.73	2.18	
2	White	16,570	27	13.70	4.98	0.79	2.30	
2	Pacific Islander/Hawaiian	20	27	9.95	3.61	0.61	2.26	
2	Multi-race	912	27	13.46	5.51	0.83	2.29	
2	Male	13,405	27	12.69	5.44	0.82	2.29	
2	Female	12,183	27	12.91	5.09	0.80	2.29	
2	Title 1	7,661	27	10.50	4.83	0.78	2.24	
2	LEPFLEP	2,936	27	8.59	4.44	0.76	2.16	
2	Limited English Proficient	1,583	27	6.57	3.22	0.59	2.05	
2	Former LEP	1,353	27	10.95	4.51	0.75	2.23	
2	Special Education	4,926	27	8.89	4.44	0.76	2.18	
2	Plan504	1,923	27	12.94	4.82	0.77	2.29	
2	In Person CBT	25,294	27	12.79	5.29	0.81	2.29	
2	Remote CBT	0	--	--	--	--	--	

continued



Grade	Session	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
8	3	All Students	824	41	23.09	8.25	0.88	2.81
	3	Economically Disadvantaged	273	41	18.66	7.64	0.86	2.81
	3	African American	124	41	17.35	7.54	0.86	2.83
	3	Asian	43	41	26.53	7.86	0.88	2.76
	3	Hispanic	118	41	18.19	7.32	0.85	2.81
	3	Native American	0	--	--	--	--	--
	3	White	497	41	25.27	7.48	0.86	2.77
	3	Pacific Islander/Hawaiian	1	--	--	--	--	--
	3	Multi-race	41	41	24.66	7.95	0.88	2.76
	3	Male	431	41	22.97	8.03	0.88	2.80
	3	Female	393	41	23.23	8.49	0.89	2.81
	3	Limited English Proficient	41	41	11.27	4.27	0.60	2.70
	3	Former LEP	46	41	19.54	6.06	0.78	2.85
	3	LEPFLEP	87	41	15.64	6.71	0.82	2.82
	3	Special Education	152	41	16.27	7.25	0.85	2.83
	3	Plan504	53	41	23.40	7.81	0.87	2.85
	3	Title 1	527	41	20.50	7.64	0.86	2.82
	3	In Person CBT	824	41	23.09	8.25	0.88	2.81
	3	Remote CBT	0	--	--	--	--	--



Table M-4. Subgroup Reliabilities—Biology

Grade	Session*	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
HS	--	All Students	36,383	60	37.39	12.22	0.91	3.59
	--	Economically Disadvantaged	12,633	60	30.62	11.97	0.91	3.65
	--	African American	3,138	60	31.77	11.68	0.90	3.64
	--	Asian	2,430	60	44.88	10.86	0.91	3.27
	--	Hispanic	7,358	60	29.47	11.99	0.91	3.65
	--	Native American	67	60	36.57	12.46	0.91	3.68
	--	White	22,115	60	39.96	10.85	0.90	3.48
	--	Pacific Islander/Hawaiian	29	60	37.07	14.27	0.93	3.74
	--	Multi-race	1,246	60	38.07	12.65	0.92	3.60
	--	Male	18,183	60	36.61	12.52	0.92	3.59
	--	Female	18,152	60	38.15	11.88	0.91	3.57
	--	Limited English Proficient	1,839	60	19.45	8.93	0.86	3.37
	--	Former LEP	1,804	60	32.58	11.26	0.90	3.64
	--	LEPFLEP	3,643	60	25.95	12.09	0.91	3.61
	--	Special Education	5,904	60	26.83	11.20	0.90	3.58
	--	Plan504	2,697	60	37.05	11.39	0.90	3.57
	--	Title 1	11,885	60	32.19	11.99	0.91	3.64
	--	In Person CBT	0	--	--	--	--	--
	--	Remote CBT	0	--	--	--	--	--

*Dashes in the Session column indicate a single session.

Table M-5. Subgroup Reliabilities—Chemistry

Grade	Session*	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
HS	--	All Students	16	60	29.69	10.76	0.89	3.53
	--	Economically Disadvantaged	7	--	--	--	--	--
	--	African American	2	--	--	--	--	--
	--	Asian	3	--	--	--	--	--
	--	Hispanic	2	--	--	--	--	--
	--	Native American	0	--	--	--	--	--
	--	White	9	--	--	--	--	--
	--	Pacific Islander/Hawaiian	0	--	--	--	--	--
	--	Multi-race	0	--	--	--	--	--
	--	Male	7	--	--	--	--	--
	--	Female	9	--	--	--	--	--
	--	Limited English Proficient	1	--	--	--	--	--
	--	Former LEP	1	--	--	--	--	--
	--	LEPFLEP	2	--	--	--	--	--
	--	Special Education	2	--	--	--	--	--
	--	Plan504	1	--	--	--	--	--
	--	Title 1	2	--	--	--	--	--
	--	In Person CBT	0	--	--	--	--	--
--	Remote CBT	0	--	--	--	--	--	

*Dashes in the Session column indicate a single session.

Table M-7. Subgroup Reliabilities—Introductory Physics

Grade	Session*	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
HS	--	All Students	11,563	60	36.40	12.71	0.92	3.59
	--	Economically Disadvantaged	3,397	60	27.94	11.65	0.90	3.64
	--	African American	1,103	60	26.21	11.05	0.89	3.61
	--	Asian	920	60	44.10	11.23	0.91	3.29
	--	Hispanic	1,990	60	28.44	11.92	0.91	3.65
	--	Native American	17	60	32.76	12.44	0.92	3.54
	--	White	7,051	60	39.09	11.28	0.90	3.49
	--	Pacific Islander/Hawaiian	3	--	--	--	--	--
	--	Multi-race	479	60	38.67	13.37	0.93	3.53
	--	Male	5,936	60	36.85	12.95	0.92	3.57
	--	Female	5,608	60	35.90	12.44	0.92	3.59
	--	Limited English Proficient	536	60	19.48	9.54	0.87	3.44
	--	Former LEP	677	60	31.19	11.60	0.90	3.62
	--	LEPFLEP	1,213	60	26.01	12.21	0.91	3.63
	--	Special Education	2,088	60	25.81	11.16	0.90	3.60
	--	Plan504	813	60	36.27	11.26	0.90	3.60
	--	Title 1	2,412	60	26.06	11.01	0.89	3.61
	--	In Person CBT	0	--	--	--	--	--
	--	Remote CBT	0	--	--	--	--	--

*Dashes in the Session column indicate a single session.

Table M-8. Subgroup Reliabilities—Technology/Engineering

Grade	Session*	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
					Mean	Standard Deviation		
HS	--	All Students	372	60	30.13	10.10	0.88	3.49
	--	Economically Disadvantaged	175	60	27.49	9.77	0.87	3.52
	--	African American	25	60	22.40	11.55	0.90	3.60
	--	Asian	6	--	--	--	--	--
	--	Hispanic	71	60	27.14	8.72	0.84	3.44
	--	Native American	0	--	--	--	--	--
	--	White	260	60	31.64	9.83	0.87	3.48
	--	Pacific Islander/Hawaiian	0	--	--	--	--	--
	--	Multi-race	10	60	30.50	9.01	0.85	3.50
	--	Male	245	60	31.25	10.64	0.89	3.49
	--	Female	127	60	27.96	8.59	0.83	3.49
	--	Limited English Proficient	23	60	21.09	8.48	0.84	3.42
	--	Former LEP	22	60	25.09	10.38	0.88	3.57
	--	LEPFLEP	45	60	23.04	9.57	0.87	3.51
	--	Special Education	123	60	25.10	9.66	0.87	3.42
	--	Plan504	42	60	31.83	10.39	0.89	3.41
	--	Title 1	207	60	29.14	9.64	0.87	3.49
	--	In Person CBT	0	--	--	--	--	--
	--	Remote CBT	0	--	--	--	--	--

*Dashes in the Session column indicate a single session.

Table M-4. Subgroup Reliabilities—Alt/ELA

Grade	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
				Mean	Standard Deviation		
3	All Students	820	39	28.09	3.75	0.65	2.23
	Economically Disadvantaged	536	39	28.15	3.73	0.64	2.24
	African American	147	39	28.41	3.87	0.5	2.74
	Asian	47	39	27.4	3.38	0.42	2.57
	Hispanic	244	39	28.13	3.78	0.72	1.99
	Native American	3					
	White	334	39	27.99	3.72	0.65	2.21
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	45	39	28.16	3.79	0.43	2.86
	Male	591	39	28.03	3.8	0.67	2.19
	Female	229	39	28.24	3.62	0.59	2.32
	Limited English Proficient	135	39	29.11	3.3	0.63	2
	Former LEP	29	39	27.14	4.21	0.57	2.76
	LEPFLEP	164	39	28.76	3.55	0.63	2.15
	Special Education Plan 504	820	39	28.09	3.75	0.65	2.23
	Title I	4	--	--	--	--	--
	4	All Students	484	39	28.27	3.74	0.64
All Students		778	39	28.21	3.68	0.68	2.08
Economically Disadvantaged		506	39	28.26	3.68	0.72	1.95
African American		119	39	28.54	3.62	0.66	2.13
Asian		59	39	27.59	3.81	0.68	2.17
Hispanic		221	39	28.4	3.64	0.7	2
Native American		3					
White		348	39	28.06	3.72	0.67	2.14
Pacific Islander/Hawaiian		1	--	--	--	--	--
Multi-race		27	39	28.59	3.38	0.75	1.7
Male		528	39	28.13	3.77	0.68	2.14
Female		250	39	28.37	3.47	0.68	1.96
Limited English Proficient		422	39	28.57	3.61	0.71	1.94
Former LEP		137	39	28.32	3.69	0.69	2.05
LEPFLEP		157	39	28.37	3.63	0.71	1.95
Special Education Plan 504		778	39	28.21	3.68	0.68	2.08
Title I		7	--	--	--	--	--
5	All Students	137	39	28.32	3.69	0.69	2.05
	All Students	758	39	28.34	3.67	0.64	2.21
	Economically Disadvantaged	507	39	28.38	3.72	0.66	2.16
	African American	117	39	28.52	3.96	0.66	2.32
	Asian	49	39	28.22	3.86	0.57	2.52
	Hispanic	218	39	28.67	3.42	0.61	2.14
	Native American	2	--	--	--	--	--
	White	339	39	28.09	3.71	0.65	2.18
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	33	39	28.36	3.54	0.46	2.61
	Male	528	39	28.23	3.74	0.64	2.24
	Female	230	39	28.59	3.51	0.63	2.13
	Limited English Proficient	138	39	29.28	3.35	0.66	1.94
	Former LEP	15	39	29	3.7	0.68	2.1
	LEPFLEP	153	39	29.25	3.37	0.66	1.97
	Special Education Plan 504	758	39	28.34	3.67	0.64	2.21
	Title I	9	--	--	--	--	--
		400	39	28.9	3.39	0.62	2.09

continued



Grade	Subgroup	Number of Students	Raw Score		Standard Deviation	Alpha	SEM
			Maximum	Mean			
6	All Students	751	39	28.28	3.56	0.62	2.2
	Economically Disadvantaged	478	39	28.18	3.61	0.62	2.22
	African American	120	39	27.87	4.11	0.66	2.38
	Asian	55	39	28.29	3.36	0.49	2.4
	Hispanic	221	39	28.2	3.77	0.65	2.22
	Native American	0	--	--	--	--	--
	White	325	39	28.45	3.29	0.61	2.07
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	30	39	28.7	2.64	0.42	2.02
	Male	524	39	28.41	3.53	0.59	2.26
	Female	227	39	27.97	3.62	0.67	2.07
	Limited English Proficient	118	39	28.74	3.5	0.44	2.63
	Former LEP	18	39	27.5	4.31	0.64	2.57
	LEPFLEP	136	39	28.57	3.62	0.52	2.52
	Special Education Plan 504	751	39	28.28	3.56	0.62	2.2
	Title I	5	--	--	--	--	--
	7	All Students	337	39	28.55	3.57	0.59
All Students		745	39	28.08	3.87	0.69	2.17
Economically Disadvantaged		481	39	28.22	3.96	0.7	2.16
African American		100	39	27.91	4.05	0.65	2.39
Asian		44	39	28.3	3.04	0.65	1.79
Hispanic		244	39	28.8	3.74	0.6	2.38
Native American		3	--	--	--	--	--
White		320	39	27.53	3.94	0.73	2.05
Pacific Islander/Hawaiian		0	--	--	--	--	--
Multi-race		32	39	28.28	3.8	0.6	2.4
Male		521	39	28.05	3.86	0.68	2.18
Female		224	39	28.13	3.89	0.7	2.14
Limited English Proficient		129	39	28.99	3.39	0.49	2.41
Former LEP		16	39	29.94	3.13	0.12	2.94
LEPFLEP		145	39	29.1	3.36	0.49	2.39
Special Education Plan 504		744	39	28.08	3.87	0.68	2.17
Title I		4	--	--	--	--	--
8	All Students	335	39	28.79	3.53	0.59	2.25
	All Students	662	39	28.46	3.72	0.61	2.33
	Economically Disadvantaged	441	39	28.43	3.78	0.62	2.32
	African American	94	39	28.67	3.56	0.63	2.16
	Asian	35	39	28.23	4.04	0.4	3.14
	Hispanic	197	39	28.92	3.69	0.59	2.37
	Native American	1	--	--	--	--	--
	White	308	39	28.14	3.71	0.57	2.44
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	27	39	28.22	4.25	0.85	1.66
	Male	451	39	28.67	3.62	0.55	2.43

continued



Grade	Subgroup	Number of Students	Maximum	Raw Score		Alpha	SEM
				Mean	Standard Deviation		
8	Female	211	39	28	3.9	0.67	2.25
	Limited English Proficient	96	39	29.35	3.37	0.54	2.29
	Former LEP	10	39	29.8	3.26	0.09	3.11
	LEPFLEP	106	39	29.4	3.34	0.51	2.34
	Special Education	662	39	28.46	3.72	0.61	2.33
	Plan 504	4	--	--	--	--	--
	Title I	304	39	29	3.47	0.49	2.48
10	All Students	698	39	28.08	3.93	0.64	2.37
	Economically Disadvantaged	434	39	27.87	3.99	0.65	2.35
	African American	114	39	28.96	3.71	0.68	2.09
	Asian	35	39	27	4.27	0.67	2.47
	Hispanic	172	39	27.87	3.92	0.67	2.23
	Native American	0	--	--	--	--	--
	White	355	39	28.12	3.9	0.59	2.49
	Pacific Islander/Hawaiian	1	--	--	--	--	--
	Multi-race	21	39	26.43	4.23	0.68	2.41
	Male	432	39	28.04	3.98	0.63	2.41
	Female	266	39	28.13	3.85	0.65	2.28
	Limited English Proficient	92	39	27.99	3.81	0.56	2.52
	Former LEP	3	--	--	--	--	--
	LEPFLEP	95	39	28.11	3.8	0.56	2.51
	Special Education	698	39	28.08	3.93	0.64	2.37
Plan 504	4	--	--	--	--	--	
Title I	242	39	28.17	3.89	0.69	2.17	

Note: No reliability or SEM values are reported for some subgroups, because there were some items for which only one student in the subgroup received a score.



Table M-5. Subgroup Reliabilities—Alt/Mathematics

Grade	Subgroup	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
3	All Students	729	26	21.27	1.29	0.56	0.86
	Economically Disadvantaged	472	26	21.24	1.34	0.59	0.86
	African American	132	26	21.46	1.09	0.5	0.78
	Asian	41	26	21.27	1.05	0.24	0.91
	Hispanic	218	26	21.31	1.35	0.67	0.77
	Native American	3	--	--	--	--	--
	White	300	26	21.13	1.4	0.54	0.95
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	35	26	21.49	0.78	0.28	0.66
	Male	529	26	21.22	1.37	0.59	0.88
	Female	200	26	21.39	1.05	0.42	0.79
	Limited English Proficient	126	26	21.43	1.13	0.6	0.72
	Former LEP	26	26	21.04	1.34	0.26	1.15
	LEPFLEP	152	26	21.36	1.18	0.53	0.81
	Special Education	729	26	21.27	1.29	0.56	0.86
	Plan 504	4	--	--	--	--	--
	Title I	422	26	21.32	1.29	0.61	0.8
4	All Students	715	26	21.08	1.61	0.68	0.91
	Economically Disadvantaged	463	26	21.12	1.55	0.69	0.86
	African American	112	26	21.21	1.25	0.51	0.88
	Asian	49	26	21.24	1.63	0.7	0.9
	Hispanic	200	26	21.21	1.54	0.68	0.87
	Native American	3	--	--	--	--	--
	White	326	26	20.92	1.77	0.71	0.95
	Pacific Islander/Hawaiian	1	--	--	--	--	--
	Multi-race	24	26	21.17	1.2	0.58	0.78
	Male	485	26	21.03	1.69	0.69	0.94
	Female	230	26	21.19	1.4	0.65	0.83
	Limited English Proficient	122	26	21.29	1.41	0.65	0.83
	Former LEP	17	26	21.18	1.42	0.7	0.78
	LEPFLEP	139	26	21.27	1.4	0.66	0.82
	Special Education	715	26	21.08	1.61	0.68	0.91
	Plan 504	7	--	--	--	--	--
	Title I	387	26	21.32	1.4	0.7	0.76
5	All Students	717	26	21.18	1.42	0.6	0.89
	Economically Disadvantaged	469	26	21.27	1.33	0.63	0.81
	African American	105	26	21.25	1.33	0.59	0.85
	Asian	47	26	21.11	1.64	0.62	1.01
	Hispanic	211	26	21.36	1.22	0.55	0.81
	Native American	0	--	--	--	--	--
	White	320	26	21.01	1.56	0.62	0.95
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	34	26	21.5	0.99	0.5	0.71
	Male	494	26	21.19	1.43	0.6	0.91
	Female	223	26	21.14	1.41	0.62	0.87
	Limited English Proficient	142	26	21.42	1.16	0.67	0.67
	Former LEP	14	26	21.43	1.6	0.83	0.67
	LEPFLEP	156	26	21.42	1.2	0.69	0.67
	Special Education	717	26	21.18	1.42	0.6	0.89
	Plan 504	7	--	--	--	--	--
	Title I	379	26	21.4	1.27	0.68	0.72
6	All Students	708	26	21.06	1.58	0.64	0.95
	Economically Disadvantaged	460	26	21.05	1.61	0.64	0.97
	African American	115	26	20.83	2.02	0.76	0.98
	Asian	48	26	21.17	1.33	0.5	0.94
	Hispanic	203	26	21.16	1.55	0.69	0.87

continued



Grade	Subgroup	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
6	Native American	0	--	--	--	--	--
	White	313	26	21.02	1.46	0.53	1
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	29	26	21.59	1.18	0.51	0.83
	Male	484	26	21.16	1.48	0.62	0.92
	Female	224	26	20.86	1.74	0.65	1.02
	Limited English Proficient	107	26	21.37	1.23	0.56	0.82
	Former LEP	16	26	21.44	1.55	0.8	0.69
	LEPFLEP	123	26	21.38	1.27	0.6	0.81
	Special Education	708	26	21.06	1.58	0.64	0.95
	Plan 504	5	--	--	--	--	--
Title I	323	26	21.2	1.49	0.65	0.88	
7	All Students	691	26	21.12	1.56	0.67	0.9
	Economically Disadvantaged	444	26	21.18	1.57	0.72	0.83
	African American	96	26	21.36	1.63	0.76	0.79
	Asian	43	26	20.74	1.38	0.28	1.17
	Hispanic	214	26	21.32	1.31	0.65	0.77
	Native American	3	--	--	--	--	--
	White	300	26	20.97	1.7	0.68	0.97
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	34	26	21.03	1.47	0.62	0.91
	Male	475	26	21.17	1.51	0.66	0.88
	Female	216	26	21	1.67	0.68	0.94
Limited English Proficient	115	26	21.32	1.5	0.8	0.67	
Former LEP	17	26	21.35	1.06	0.06	1.02	
LEPFLEP	132	26	21.33	1.44	0.75	0.72	
Special Education	690	26	21.13	1.54	0.66	0.9	
Plan 504	4	--	--	--	--	--	
Title I	323	26	21.34	1.39	0.68	0.79	
8	All Students	601	26	21.24	1.4	0.63	0.85
	Economically Disadvantaged	395	26	21.26	1.42	0.65	0.85
	African American	91	26	21.25	1.43	0.65	0.85
	Asian	33	26	21.06	1.71	0.77	0.82
	Hispanic	175	26	21.5	1.26	0.74	0.64
	Native American	1	--	--	--	--	--
	White	274	26	21.11	1.38	0.52	0.96
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	27	26	20.96	1.76	0.78	0.83
	Male	408	26	21.38	1.17	0.55	0.79
	Female	193	26	20.95	1.76	0.7	0.96
Limited English Proficient	88	26	21.56	1.02	0.58	0.66	
Former LEP	11	26	21.91	0.3	0	0.3	
LEPFLEP	99	26	21.6	0.97	0.58	0.63	
Special Education	601	26	21.24	1.4	0.63	0.85	
Plan 504	5	--	--	--	--	--	
Title I	277	26	21.53	1.1	0.65	0.65	
10	All Students	684	39	30.62	3.53	0.83	1.45
	Economically Disadvantaged	430	39	30.48	3.68	0.85	1.41
	African American	109	39	31.21	3.03	0.75	1.51
	Asian	34	39	30.06	4.31		
	Hispanic	169	39	30.35	3.88	0.83	1.61
	Native American	0	--	--	--	--	--
	White	352	39	30.63	3.42	0.78	1.6
	Pacific Islander/Hawaiian	1	--	--	--	--	--
	Multi-race	19	39	30.37	3.09	0.78	1.47
	Male	414	39	30.76	3.42	0.84	1.35
	Female	270	39	30.4	3.68	0.8	1.66
Limited English Proficient	88	39	30.74	3.62	0.72	1.92	

continued



Grade	Subgroup	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
10	Former LEP	7	--	--	--	--	--
	LEPFLEP	95	39	30.72	3.65	0.72	1.94
	Special Education	684	39	30.62	3.53	0.83	1.45
	Plan 504	4	--	--	--	--	--
	Title I	240	39	30.65	3.65	0.81	1.59

Note: No reliability or SEM values are reported for some subgroups, because in some cases there were some items for which only one student in the subgroup received a score, and in other cases, the sample size of the subgroup or the number of items is too small to produce meaningful calculations.

Table M-6. Subgroup Reliabilities—Alt/STE

Grade	Subgroup	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
5	All Students	653	39	29.7	3.61	0.8	1.61
	Economically Disadvantaged	437	39	29.8	3.71	0.83	1.53
	African American	106	39	29.87	3.66	--	--
	Asian	41	39	29.54	3.76	--	--
	Hispanic	194	39	30.03	3.47	0.73	1.81
	Native American	2	--	--	--	--	--
	White	283	39	29.34	3.68	0.81	1.59
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	27	39	31.19	2.69	--	--
	Male	455	39	29.57	3.77	0.81	1.66
	Female	198	39	30.01	3.19	0.77	1.52
	LEP	127	39	30.35	3.4	--	--
	FLEP	14	39	29.64	4.01	--	--
	LEPFLEP	141	39	30.28	3.46	0.7	1.88
	Special Education	653	39	29.7	3.61	0.8	1.61
Plan 504	8	--	--	--	--	--	
Title I	327	39	30.19	3.54	0.89	1.16	
8	All Students	565	39	30.06	3.16	0.76	1.56
	Economically Disadvantaged	367	39	30.24	3.13	0.77	1.5
	African American	72	39	30.21	3.44	0.74	1.76
	Asian	34	39	30.09	3.06	--	--
	Hispanic	177	39	30.47	2.99	0.84	1.21
	Native American	0	--	--	--	--	--
	White	261	39	29.7	3.21	0.72	1.71
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	21	39	30.48	2.82	0.72	1.51
	Male	381	39	30.13	3.11	0.75	1.56
	Female	184	39	29.93	3.26	0.78	1.54
	LEP	87	39	30.61	2.93	0.77	1.41
	FLEP	10	39	31.9	2.81	--	--
	LEPFLEP	97	39	30.74	2.93	0.77	1.39
	Special Education	565	39	30.06	3.16	0.76	1.56
Plan 504	3	--	--	--	--	--	
Title I	262	39	30.66	2.81	0.79	1.3	



Table M-7. Subgroup Reliabilities—Alt/Biology

Grade	Subgroup	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
HS	All Students	44	39	28.73	3.83	0.7	2.1
	Economically Disadvantaged	23	39	29.52	3.48	0.68	1.97
	African American	6	--	--	--	--	--
	Asian	6	--	--	--	--	--
	Hispanic	8	--	--	--	--	--
	Native American	0	--	--	--	--	--
	White	24	39	28.83	4.2	0.75	2.1
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	0	--	--	--	--	--
	Male	27	39	28.07	3.96	0.66	2.32
	Female	17	39	29.76	3.47	0.75	1.72
	LEP	6	--	--	--	--	--
	FLEP	1	--	--	--	--	--
	LEPFLEP	7	--	--	--	--	--
	Special Education	44	39	28.73	3.83	0.7	2.1
	Plan 504	0	--	--	--	--	--
	Title I	6	--	--	--	--	--

**Due to the small sample size of the subgroup and the small number of items, the calculation of coefficient alpha does not produce meaningful values.*

Table M-8. Subgroup Reliabilities—Alt/Chemistry

Grade	Subgroup	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
HS	All Students	12	39	32	1.21	0.45	0.9
	Economically Disadvantaged	4	--	--	--	--	--
	African American	2	--	--	--	--	--
	Asian	2	--	--	--	--	--
	Hispanic	4	--	--	--	--	--
	Native American	0	--	--	--	--	--
	White	4	--	--	--	--	--
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	0	--	--	--	--	--
	Male	8	--	--	--	--	--
	Female	4	--	--	--	--	--
	LEP	0	--	--	--	--	--
	FLEP	0	--	--	--	--	--
	LEPFLEP	0	--	--	--	--	--
	Special Education	12	39	32	1.21	0.45	0.9
	Plan 504	0	--	--	--	--	--
	Title I	0	--	--	--	--	--

**Due to the small sample size of the subgroup and the small number of items, the calculation of coefficient alpha does not produce meaningful values.*



Table M-9. Subgroup Reliabilities—Alt/Introductory Physics

Grade	Subgroup	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
HS	All Students	2	--	--	--	--	--
	Economically Disadvantaged	1	--	--	--	--	--
	African American	0	--	--	--	--	--
	Asian	0	--	--	--	--	--
	Hispanic	1	--	--	--	--	--
	Native American	0	--	--	--	--	--
	White	1	--	--	--	--	--
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	0	--	--	--	--	--
	Male	2	--	--	--	--	--
	Female	0	--	--	--	--	--
	LEP	0	--	--	--	--	--
	FLEP	0	--	--	--	--	--
	LEPFLEP	0	--	--	--	--	--
	Special Education	2	--	--	--	--	--
	Plan 504	0	--	--	--	--	--
	Title I	2	--	--	--	--	--

Table M-10. Subgroup Reliabilities—Alt/Technology/Engineering

Grade	Subgroup	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
HS	All Students	33	39	29.85	3.18	0.68	1.8
	Economically Disadvantaged	20	39	29.7	3.56	0.8	1.58
	African American	3	--	--	--	--	--
	Asian	3	--	--	--	--	--
	Hispanic	11	39	28.91	3.02	0.73	1.56
	Native American	0	--	--	--	--	--
	White	15	39	30.47	3.36	0.61	2.1
	Pacific Islander/Hawaiian	0	--	--	--	--	--
	Multi-race	1	--	--	--	--	--
	Male	24	39	29.38	3.4	0.66	1.97
	Female	9	--	--	--	--	--
	LEP	3	--	--	--	--	--
	FLEP	0	--	--	--	--	--
	LEPFLEP	3	--	--	--	--	--
	Special Education	33	39	29.85	3.18	0.68	1.8
	Plan 504	0	--	--	--	--	--
	Title I	9	--	--	--	--	--



Table M-11. Reliabilities by Reporting Category by Grade—ELA

Grade	Session	Item Reporting Category	Number of Items	Raw Score			Alpha	SEM
				Maximum	Mean	Standard Deviation		
3	1	Reading	10	12	7.86	2.94	0.75	1.48
	1	Language	2	5	1.95	1.16	0.45	0.86
	1	Writing	1	4	0.45	0.74	--	--
	2	Reading	11	12	9.43	3.52	0.76	1.72
	2	Language	7	5	3.87	1.83	0.60	1.15
4	1	Reading	8	10	6.89	2.36	0.71	1.27
	1	Language	4	6	3.08	1.55	0.49	1.10
	1	Writing	1	4	1.08	1.08	--	--
	2	Reading	15	10	11.35	4.56	0.81	1.98
	2	Language	4	6	2.67	1.25	0.59	0.80
5	1	Reading	9	12	8.09	2.79	0.67	1.62
	1	Language	3	5	2.62	1.27	0.46	0.94
	1	Writing	1	4	1.36	0.82	--	--
	2	Reading	15	12	10.90	3.71	0.74	1.88
	2	Language	4	5	3.04	1.45	0.49	1.03
6	2	Reading	1	4	1.16	0.89	--	--
	1	Language	10	12	7.36	2.71	0.65	1.62
	1	Writing	2	4	2.20	1.19	0.29	1.00
	1	Reading	1	5	1.61	1.15	--	--
	2	Language	15	12	10.01	4.29	0.80	1.91
7	2	Reading	5	4	3.77	1.85	0.53	1.27
	2	Language	1	5	1.56	1.18	--	--
	1	Writing	10	12	6.86	3.07	0.69	1.72
	1	Reading	3	5	2.91	1.45	0.49	1.04
	1	Language	1	5	1.49	1.11	--	--
8	2	Reading	15	12	10.96	3.94	0.78	1.85
	2	Language	4	5	3.36	1.61	0.49	1.15
	2	Writing	1	5	1.53	1.01	--	--
	1	Reading	9	11	7.02	2.81	0.76	1.38
	1	Language	3	5	2.73	1.51	0.47	1.09
10	--	Reading	1	5	1.67	1.21	--	--
	--	Language	15	11	11.56	3.75	0.78	1.77
	--	Writing	5	5	4.37	1.79	0.55	1.19

**Dashes in the Session column indicate a single session.*



Table M-12. Reliabilities by Reporting Category by Grade—Mathematics

Grade	Session	Item Reporting Category	Number of Items	Raw Score			Alpha	SEM
				Maximum	Mean	Standard Deviation		
3	1	Operations and Algebraic Thinking	6	3.47	1.79	0.70	0.98	6
	1	Number and Operations in Base Ten	5	1.52	1.44	0.63	0.88	5
	1	Number and Operations-Fractions	4	2.22	1.23	0.55	0.83	4
	1	Measurement and Data	7	3.48	2.11	0.62	1.30	7
	1	Geometry	2	0.65	0.65	0.14	0.60	2
	2	Operations and Algebraic Thinking	6	4.30	2.60	0.75	1.29	6
	2	Number and Operations in Base Ten	5	1.71	0.99	0.42	0.76	5
	2	Number and Operations-Fractions	4	2.16	1.62	0.57	1.07	4
	2	Measurement and Data	7	2.39	1.51	0.62	0.93	7
	2	Geometry	2	1.08	0.68	0.13	0.64	2
4	1	Operations and Algebraic Thinking	7	3.54	1.93	0.69	1.07	7
	1	Number and Operations in Base Ten	6	3.36	1.87	0.47	1.36	6
	1	Number and Operations-Fractions	9	4.74	2.50	0.69	1.39	9
	1	Measurement and Data	4	1.82	1.30	0.62	0.81	4
	1	Geometry	1	0.19	0.39	--	--	1
	2	Operations and Algebraic Thinking	7	0.96	0.98	0.52	0.68	7
	2	Number and Operations in Base Ten	6	2.49	1.51	0.65	0.89	6
	2	Number and Operations-Fractions	9	3.98	2.28	0.76	1.11	9
	2	Measurement and Data	4	3.73	1.98	0.56	1.31	4
	2	Geometry	1	1.81	1.41	0.54	0.96	1
5	1	Operations and Algebraic Thinking	6	2.94	2.02	0.45	1.50	6
	1	Number and Operations in Base Ten	7	3.80	1.80	0.62	1.11	7
	1	Number and Operations-Fractions	5	2.28	1.41	0.61	0.89	5
	1	Measurement and Data	7	3.17	1.94	0.50	1.37	7
	1	Geometry	2	0.87	0.75	0.25	0.64	2
	2	Operations and Algebraic Thinking	6	0.64	0.69	0.16	0.63	6
	2	Number and Operations in Base Ten	7	4.61	2.65	0.62	1.62	7
	2	Number and Operations-Fractions	5	3.44	2.38	0.67	1.36	5
	2	Measurement and Data	7	1.52	1.06	0.55	0.71	7
	2	Geometry	2	1.85	1.14	0.41	0.87	2
6	1	Ratios and Proportional Relationships	4	1.96	1.29	0.55	0.86	4
	1	The Number System	5	2.68	1.37	0.54	0.93	5
	1	Expressions and Equations	9	4.39	2.59	0.64	1.56	9
	1	Geometry	6	1.92	1.75	0.58	1.13	6
	1	Statistics and Probability	3	1.05	0.98	0.44	0.73	3
	2	Ratios and Proportional Relationships	4	3.12	1.74	0.44	1.30	4
	2	The Number System	5	3.19	1.93	0.49	1.38	5
	2	Expressions and Equations	9	3.50	1.98	0.71	1.07	9
	2	Geometry	6	0.29	0.57	0.47	0.41	6
	2	Statistics and Probability	3	1.60	1.36	0.46	1.00	3
7	1	Ratios and Proportional Relationships	3	1.80	1.06	0.59	0.68	3
	1	The Number System	8	3.48	2.37	0.56	1.57	8
	1	Expressions and Equations	10	3.78	2.83	0.80	1.28	10
	1	Geometry	2	1.31	0.79	0.54	0.53	2
	1	Statistics and Probability	4	1.48	1.18	--	--	4
	2	Ratios and Proportional Relationships	3	3.70	2.23	0.69	1.25	3
	2	The Number System	8	1.10	0.93	0.40	0.72	8
	2	Expressions and Equations	10	0.93	0.97	0.52	0.67	10
	2	Geometry	2	1.50	1.39	0.47	1.01	2
	2	Statistics and Probability	4	2.92	1.71	0.59	1.10	4
8	1	The Number System & Expressions /Equations	16	6.94	3.71	0.79	1.72	16
	1	Functions	8	3.17	2.49	0.65	1.48	8
	1	Geometry	3	1.42	1.08	0.52	0.75	3
	2	The Number System & Expressions /Equations	16	2.96	1.85	0.74	0.95	16
	2	Functions	8	1.29	0.85	0.23	0.74	8
	2	Geometry	3	5.54	3.55	0.77	1.71	3
	2	Statistics and Probability	5	2.95	1.38	0.31	1.15	5

continued



Grade	Session	Item Reporting Category	Number of Items	Raw Score			Alpha	SEM
				Maximum	Mean	Standard Deviation		
10	--	Number and Quantity	9	4.08	2.88	0.68	1.63	9
	--	Algebra and Functions	21	11.04	5.53	0.86	2.10	21
	--	Geometry	21	11.79	5.46	0.84	2.18	21
	--	Statistics and Probability	9	4.81	2.30	0.55	1.54	9

*Dashes in the Session column indicate a single session.

Table M-13. Reliabilities by Reporting Category by Grade—STE

Grade	Session	Item Reporting Category	Number of Items	Raw Score			Alpha	SEM
				Maximum	Mean	Standard Deviation		
5	1	Earth and Space Science	4	5	3.02	1.45	0.49	1.04
	1	Life Science	3	4	2.45	1.11	0.32	0.92
	1	Physical Science	9	12	5.58	2.81	0.64	1.69
	1	Technology/Engineering	4	6	3.38	1.75	0.55	1.17
	3	Earth and Space Science	9	5	6.43	2.43	0.67	1.40
	3	Life Science	8	4	6.11	2.57	0.71	1.38
	3	Physical Science	9	12	5.80	2.44	0.58	1.59
	3	Technology/Engineering	7	6	5.85	2.23	0.68	1.26
	2	Earth and Space Science	7	5	4.86	1.97	0.61	1.24
	2	Life Science	8	4	5.21	2.29	0.64	1.38
	2	Physical Science	2	12	0.86	0.73	0.16	0.67
	2	Technology/Engineering	4	6	3.59	1.56	0.53	1.07
8	1	Earth and Space Science	5	7	3.45	1.71	0.52	1.19
	1	Life Science	5	6	3.87	1.68	0.60	1.07
	1	Physical Science	6	8	4.16	1.92	0.54	1.30
	1	Technology/Engineering	4	6	2.92	1.24	0.40	0.96
	3	Earth and Space Science	6	7	3.89	1.95	0.55	1.31
	3	Life Science	10	6	7.62	2.63	0.75	1.33
	3	Physical Science	9	8	6.53	2.95	0.70	1.62
	3	Technology/Engineering	8	6	5.06	2.03	0.57	1.33
	2	Earth and Space Science	4	7	2.27	1.43	0.46	1.05
	2	Life Science	7	6	4.77	1.98	0.61	1.24
	2	Physical Science	5	8	2.81	1.71	0.51	1.20
	2	Technology/Engineering	5	6	2.95	1.47	0.46	1.08

*Dashes in the Session column indicate a single session.

Table M-14. SEM by Performance Level by Grade—Alt/ELA

Grade	Performance Level	Number of Students	Raw Score			SEM
			Maximum	Mean	Standard Deviation	
3	Awareness	26	39	19.81	2.61	2.4
	Emerging	419	39	26.05	3.21	2.51
	Progressing	375	39	30.94	1.09	0.86
	Not Meeting Expectations	2	--	--	--	--
4	Awareness	21	39	19.86	2.99	2.69
	Emerging	376	39	25.83	2.99	2.35
	Progressing	381	39	31.02	0.99	0.88
	Not Meeting Expectations	3	--	--	--	--
5	Awareness	17	39	19.12	3.2	2.94
	Emerging	352	39	25.8	2.95	2.18
	Progressing	389	39	31.03	1.1	0.92
	Not Meeting Expectations	1	--	--	--	--
6	Awareness	21	39	20.52	2.96	3.55
	Emerging	358	39	25.96	2.91	2.29
	Progressing	372	39	30.95	1.11	0.95
	Not Meeting Expectations	0	--	--	--	--
7	Awareness	18	39	19.44	3.84	2.88
	Emerging	359	39	25.44	3.04	2.25
	Progressing	368	39	31.07	1.08	0.89
	Not Meeting Expectations	4	--	--	--	--
8	Awareness	16	39	19.75	2.79	4.12
	Emerging	276	39	25.5	3.02	2.53
	Progressing	370	39	31.04	1.1	0.91
	Not Meeting Expectations	2	--	--	--	--
10	Awareness	13	39	19.15	2.61	3.79
	Emerging	316	39	24.87	2.77	2.16
	Progressing	370	39	31.14	1.2	0.95
	Partially Meeting Expectations	1	--	--	--	--
	Not Meeting Expectations	15	39	30.87	6.38	3.64

**Due to the small sample size of the subgroup, the calculation of SEM does not produce meaningful values.*



Table M-15. SEM by Performance Level by Grade—Alt/Mathematics

Grade	Performance Level	Number of Students	Raw Score			SEM
			Maximum	Mean	Standard Deviation	
3	Awareness	10	26	16.2	1.14	1.77
	Emerging	86	26	19.12	1.3	1.8
	Progressing	634	26	21.64	0.71	0.54
	Not Meeting Expectations	0	--	--	--	--
4	Awareness	19	26	15	2.08	1.74
	Emerging	98	26	18.95	1.07	1.73
	Progressing	598	26	21.63	0.74	0.54
	Not Meeting Expectations	2	--	--	--	--
5	Awareness	16	26	16.31	1.2	2.08
	Emerging	85	26	18.79	1.18	1.73
	Progressing	616	26	21.63	0.71	0.55
	Not Meeting Expectations	1	--	--	--	--
6	Awareness	25	26	15.8	1.32	2.39
	Emerging	88	26	18.89	1.09	1.69
	Progressing	595	26	21.61	0.74	0.56
	Not Meeting Expectations	0	--	--	--	--
7	Awareness	25	26	15.6	2.02	2.29
	Emerging	68	26	19.25	1.26	1.74
	Progressing	598	26	21.56	0.77	0.59
	Not Meeting Expectations	3	--	--	--	--
8	Awareness	14	26	15.5	1.56	2.25
	Emerging	54	26	19.02	1.12	1.81
	Progressing	534	26	21.62	0.72	0.56
	Not Meeting Expectations	5	--	--	--	--
10	Awareness	15	39	21.2	2.54	2.36
	Emerging	141	39	25.19	2.2	1.02
	Progressing	529	39	32.32	1.18	0.67
	Not Meeting Expectations	13	39	26.85	6.34	2.68

**Due to the small sample size of the subgroup, the calculation of SEM does not produce meaningful values.*

Table M-16. SEM by Performance Level by Grade—Alt/STE

Grade	Performance Level	Number of Students	Raw Score			SEM
			Maximum	Mean	Standard Deviation	
5	Awareness	29	39	22.69	2.78	
	Emerging	174	39	25.63	2.61	1.76
	Progressing	450	39	31.73	1.42	0.77
	Not Meeting Expectations	0	--	--	--	--
8	Awareness	25	39	23.6	1.53	
	Emerging	121	39	26.11	2.49	2.19
	Progressing	420	39	31.59	1.48	0.86
	Not Meeting Expectations	0	--	--	--	--

**Due to the small sample size of the subgroup, the calculation of SEM does not produce meaningful values.*



Table M-17. SEM by Performance Level by Grade—Alt/Biology

Grade	Performance Level	Number of Students	Raw Score			SEM
			Maximum	Mean	Standard Deviation	
HS	Awareness	3	--	--	--	--
	Emerging	15	39	25.8	2.83	2.21
	Progressing	26	39	31.15	1.97	1.05
	Not Meeting Expectations	1	--	--	--	--

**Due to the small sample size of the subgroup, the calculation of SEM does not produce meaningful values.*

Table M-18. SEM by Performance Level by Grade—Alt/Chemistry

Grade	Performance Level	Number of Students	Raw Score			SEM
			Maximum	Mean	Standard Deviation	
HS	Awareness	0	--	--	--	--
	Emerging	0	--	--	--	--
	Progressing	12	39	32	1.21	0.9
	Not Meeting Expectations	0	--	--	--	--

**Due to the small sample size of the subgroup, the calculation of SEM does not produce meaningful values.*

Table M-19. SEM by Performance Level by Grade— Alt/Introductory Physics

Grade	Performance Level	Number of Students	Raw Score			SEM
			Maximum	Mean	Standard Deviation	
HS	Awareness	0	--	--	--	--
	Emerging	0	--	--	--	--
	Progressing	2	--	--	--	--
	Not Meeting Expectations	9	--	--	--	--

**Due to the small sample size of the subgroup, the calculation of SEM does not produce meaningful values.*

Table M-20. SEM by Performance Level by Grade— Alt/Technology/Engineering

Grade	Performance Level	Number of Students	Raw Score			SEM
			Maximum	Mean	Standard Deviation	
HS	Awareness	1	--	--	--	--
	Emerging	5	--	--	--	--
	Progressing	27	39	30.96	2.19	1.2
	Not Meeting Expectations	0	--	--	--	--

**Due to the small sample size of the subgroup, the calculation of SEM does not produce meaningful values.*

