

APPENDIX F

ITEM-LEVEL CLASSICAL STATISTICS

**Table F-1. 2017 Legacy MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 10**

Item		Difficulty	Discrimination	Percent Omitted
Number	Type			
292438	MC	0.62	0.37	0
292445	MC	0.62	0.35	0
292456	OR	0.66	0.63	1
304958C	WR	0.87	0.72	0
304958T	WR	0.59	0.71	0
309498	MC	0.86	0.44	0
309509	MC	0.82	0.42	0
309518	MC	0.79	0.49	0
309519	MC	0.82	0.33	0
309696	MC	0.62	0.44	0
309699	MC	0.78	0.46	0
309702	MC	0.85	0.46	0
309703	MC	0.62	0.40	0
309705	MC	0.82	0.47	0
309709	OR	0.60	0.72	1
309915	MC	0.89	0.43	0
309917	MC	0.89	0.43	0
314448	MC	0.78	0.43	0
314449	MC	0.79	0.34	0
314450	MC	0.76	0.30	0
314453	MC	0.73	0.39	0
314460	MC	0.58	0.24	0
314464	MC	0.89	0.38	0
314468	OR	0.74	0.64	0
314913	MC	0.69	0.33	0
314914	MC	0.96	0.37	0
314922	MC	0.63	0.33	0
314924	MC	0.81	0.44	0
316595	MC	0.91	0.37	0
316596	MC	0.94	0.33	0
316597	MC	0.85	0.35	0
316598	MC	0.86	0.44	0
316600	MC	0.89	0.48	0
316602	MC	0.92	0.37	0
316607	MC	0.87	0.35	0
316621	MC	0.90	0.32	0
316626	OR	0.71	0.59	0
316744	MC	0.87	0.38	0
316747	MC	0.63	0.30	0
316754	MC	0.77	0.46	0
316757	MC	0.83	0.44	0
317094	MC	0.82	0.42	0

**Table F-2. 2017 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 10**

Item		Difficulty	Discrimination	Percent Omitted
Number	Type			
250652	SA	0.63	0.41	1
273262	MC	0.68	0.45	0
273617	MC	0.74	0.51	0
294145	MC	0.54	0.45	0
294526	SA	0.76	0.61	1
302075	OR	0.56	0.69	1
303302	MC	0.81	0.52	0
303436	MC	0.63	0.47	0
303437	MC	0.74	0.50	0
306523	MC	0.61	0.41	0
306553	MC	0.54	0.46	0
307968	MC	0.82	0.46	0
308009	MC	0.56	0.38	0
308936	OR	0.55	0.71	1
311214	MC	0.92	0.29	0
311219	SA	0.70	0.62	1
311270	MC	0.84	0.47	0
311978	MC	0.77	0.48	0
311988	MC	0.56	0.46	0
312338	MC	0.78	0.41	0
312365	MC	0.63	0.55	0
312398	MC	0.59	0.33	0
313798	MC	0.67	0.36	0
314930	MC	0.72	0.14	0
314961	MC	0.54	0.44	0
314972	MC	0.61	0.18	0
314979	MC	0.64	0.43	0
315005	MC	0.68	0.29	0
315024	MC	0.81	0.31	0
315073	MC	0.73	0.35	0
315083	MC	0.85	0.35	0
315126	OR	0.58	0.67	1
315136	SA	0.68	0.34	1
315417	MC	0.88	0.49	0
315418	MC	0.91	0.40	0
315445	MC	0.92	0.37	0
315450	MC	0.84	0.49	0
315460	MC	0.58	0.51	0
315477	OR	0.49	0.67	1
315483	OR	0.68	0.77	1
315776	OR	0.64	0.75	1
316914	MC	0.78	0.44	0

**Table F-3. 2017 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Science – Grade 5**

Item		Difficulty	Discrimination	Percent Omitted
Number	Type			
SC264835	MC	0.77	0.44	0
SC273732	MC	0.73	0.28	0
SC288154	MC	0.72	0.38	1
SC289446	MC	0.63	0.36	0
SC289487	MC	0.75	0.22	0
SC289501	MC	0.72	0.34	1
SC289673	MC	0.64	0.43	0
SC291064	MC	0.50	0.36	0
SC291143	MC	0.80	0.29	0
SC291402	MC	0.74	0.13	0
SC294443	MC	0.68	0.32	0
SC299421	MC	0.93	0.40	0
SC301143	OR	0.42	0.56	1
SC304670	MC	0.71	0.35	0
SC309959	MC	0.70	0.39	0
SC313087	MC	0.56	0.33	0
SC313106	OR	0.45	0.55	0
SC317090	MC	0.82	0.33	0
SC317091	MC	0.50	0.26	0
SC245494	MC	0.88	0.39	0
SC245514	MC	0.68	0.37	0
SC264842	MC	0.77	0.43	0
SC273695	MC	0.65	0.37	0
SC281800	MC	0.85	0.33	0
SC281838	MC	0.73	0.32	0
SC289163	MC	0.87	0.27	0
SC289458	MC	0.74	0.44	0
SC289499	MC	0.56	0.26	0
SC291168	MC	0.62	0.32	0
SC291503	MC	0.77	0.39	0
SC291624	OR	0.57	0.63	0
SC294432	MC	0.70	0.34	0
SC294501	MC	0.76	0.43	0
SC299440	MC	0.60	0.43	0
SC309485	MC	0.82	0.41	0
SC309745	MC	0.78	0.28	0
SC313100	MC	0.71	0.29	0
SC313102	MC	0.61	0.36	0
SC313138	OR	0.50	0.68	0
SC313146	MC	0.76	0.36	1
SC314833	MC	0.80	0.31	0
SC317092	MC	0.88	0.28	0

**Table F-4. 2017 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Science – Grade 8**

Item		Difficulty	Discrimination	Percent Omitted
Number	Type			
SC227912	MC	0.72	0.31	0
SC272969	MC	0.78	0.49	0
SC273977	MC	0.48	0.30	0
SC281939	MC	0.82	0.46	0
SC289626	MC	0.77	0.33	0
SC289719	MC	0.75	0.40	0
SC289731	MC	0.78	0.41	0
SC289769	MC	0.77	0.44	0
SC291833	MC	0.76	0.45	0
SC299464	MC	0.82	0.36	0
SC304503	MC	0.61	0.42	0
SC304696	OR	0.53	0.74	1
SC304698	OR	0.60	0.44	1
SC310237	MC	0.67	0.39	0
SC310252	MC	0.89	0.39	0
SC310269	MC	0.77	0.39	0
SC313155	MC	0.54	0.25	0
SC313197	MC	0.44	0.19	0
SC313217	MC	0.66	0.39	0
SC237700	MC	0.40	0.35	0
SC265217	MC	0.54	0.51	0
SC265226	MC	0.56	0.42	0
SC265247	MC	0.57	0.41	0
SC265273	MC	0.60	0.35	0
SC265293	MC	0.74	0.37	0
SC273933	MC	0.66	0.34	0
SC288301	MC	0.51	0.26	0
SC288324	OR	0.40	0.62	0
SC291731	MC	0.67	0.42	0
SC291915	MC	0.63	0.24	0
SC291980	MC	0.67	0.38	0
SC293151	MC	0.60	0.47	0
SC294094	MC	0.48	0.35	0
SC294221	MC	0.50	0.32	0
SC299403	MC	0.88	0.39	0
SC299458	MC	0.69	0.36	0
SC300456	MC	0.70	0.38	0
SC301427	MC	0.84	0.35	0
SC313160	MC	0.66	0.45	0
SC313179	OR	0.51	0.64	1
SC313187	MC	0.88	0.33	0
SC313188	MC	0.65	0.46	0

**Table F-5. 2017 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Biology – Grade HS**

Item		Difficulty	Discrimination	Percent Omitted
Number	Type			
222249	MC	0.66	0.41	0
235177	MC	0.81	0.51	0
243327	MC	0.85	0.42	0
273532	MC	0.79	0.35	0
279499	OR	0.36	0.60	1
281187	MC	0.67	0.31	0
283066	MC	0.89	0.43	0
283143	MC	0.76	0.52	0
285874	MC	0.83	0.33	0
288276	MC	0.76	0.49	0
289326	MC	0.70	0.43	0
290996	MC	0.88	0.39	0
291005	OR	0.41	0.67	2
294785	MC	0.61	0.44	0
299780	MC	0.78	0.36	0
299804	MC	0.83	0.41	0
301402	MC	0.63	0.21	0
304455	MC	0.76	0.46	0
305009	MC	0.72	0.44	0
305769	MC	0.87	0.41	0
305791	MC	0.88	0.27	0
305801	MC	0.62	0.35	0
310143	MC	0.61	0.50	0
310145	MC	0.63	0.38	0
310149	MC	0.63	0.45	0
310172	MC	0.73	0.36	0
310200	MC	0.75	0.39	0
310732	MC	0.80	0.37	0
310762	MC	0.75	0.45	0
312663	OR	0.40	0.67	1
312671	MC	0.91	0.46	0
313304	MC	0.72	0.35	0
313307	MC	0.88	0.39	0
313346	MC	0.83	0.36	0
313376	MC	0.81	0.28	0
313396	MC	0.88	0.44	0
313441	MC	0.88	0.45	0
313459	OR	0.68	0.71	2
313477	MC	0.77	0.44	0
313494	MC	0.80	0.43	0
314832	MC	0.69	0.39	0
316891	OR	0.53	0.67	3
317095	MC	0.63	0.38	0
317096	MC	0.85	0.44	0
317097	MC	0.75	0.47	0

**Table F-6. 2017 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Chemistry – Grade HS**

Item		Difficulty	Discrimination	Percent Omitted
Number	Type			
206666	MC	0.77	0.44	0
206669	MC	0.63	0.31	*
206741	MC	0.65	0.26	0
208293	MC	0.73	0.51	0
208298	MC	0.84	0.40	0
216948	MC	0.84	0.51	0
216957	MC	0.64	0.44	0
216962	MC	0.81	0.46	0
226982	MC	0.87	0.47	0
227023	MC	0.56	0.24	*
229493	MC	0.56	0.25	0
244773	MC	0.87	0.39	*
244981	MC	0.79	0.45	0
244996	MC	0.69	0.31	1
246715	MC	0.88	0.57	*
246809	MC	0.55	0.50	0
246816	MC	0.65	0.50	0
246827	MC	0.68	0.41	0
246828	MC	0.64	0.53	0
252562	MC	0.67	0.47	1
252563	MC	0.66	0.52	0
253239	MC	0.71	0.21	0
258929	MC	0.71	0.48	0
260748	MC	0.79	0.43	*
260752	MC	0.72	0.41	0
260786	MC	0.64	0.22	0
260902	MC	0.54	0.35	*
260918	MC	0.77	0.46	0
261166	OR	0.55	0.75	4
261473	MC	0.72	0.41	1
274054	MC	0.86	0.36	*
275819	MC	0.69	0.32	0
281114	MC	0.81	0.33	*
281332	MC	0.58	0.38	0
281959	MC	0.72	0.53	0
281963	OR	0.56	0.64	4
287893	OR	0.42	0.64	5
294650	MC	0.57	0.39	0
296516	MC	0.81	0.47	0
299712	MC	0.29	0.26	0
299726	OR	0.61	0.69	4
300123	MC	0.51	0.39	*
300137	MC	0.66	0.22	*
310403	MC	0.64	0.21	1
310489	OR	0.53	0.74	5

* 0 percent omit rate represents very small omit percentages, which are small enough to be rounded to 0. Blank represents the omit percentage is exactly 0.

**Table F-7. 2017 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Intro to Physics – Grade HS**

Item		Difficulty	Discrimination	Percent Omitted
Number	Type			
272646	MC	0.57	0.42	0
272703	OR	0.58	0.73	2
272751	OR	0.54	0.76	2
286517	MC	0.61	0.27	0
287042	MC	0.61	0.36	0
295863	MC	0.82	0.48	0
299236	MC	0.55	0.35	0
299322	MC	0.68	0.35	0
299342	MC	0.77	0.48	0
299362	MC	0.65	0.50	0
299374	MC	0.77	0.43	0
299378	MC	0.49	0.29	0
299379	MC	0.75	0.40	0
301729	MC	0.79	0.48	0
301733	MC	0.62	0.46	0
301735	MC	0.61	0.26	0
301741	MC	0.68	0.36	0
301746	MC	0.72	0.45	0
301748	OR	0.58	0.74	2
301778	MC	0.84	0.50	0
304712	MC	0.78	0.38	0
304774	MC	0.73	0.33	0
305500	MC	0.83	0.41	0
305507	MC	0.64	0.35	0
305513	MC	0.76	0.52	0
306931	OR	0.56	0.69	2
310447	MC	0.84	0.37	0
310463	MC	0.64	0.31	0
310473	MC	0.73	0.45	0
310498	MC	0.67	0.39	0
310502	MC	0.62	0.39	0
311044	MC	0.56	0.32	0
311360	MC	0.70	0.44	0
311363	MC	0.65	0.47	0
313617	MC	0.71	0.36	0
313623	MC	0.81	0.40	0
313668	MC	0.70	0.36	0
313696	MC	0.41	0.43	0
313723	MC	0.78	0.43	0
313725	MC	0.64	0.43	0
313727	MC	0.82	0.49	0
313737	MC	0.85	0.44	0
315670	MC	0.81	0.49	0
316892	OR	0.40	0.68	3
316911	MC	0.74	0.43	0

**Table F-8. 2017 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Technology and Engineering – Grade HS**

Item		Difficulty	Discrimination	Percent Omitted
<i>Number</i>	<i>Type</i>			
208981	MC	0.50	0.29	0
265065	MC	0.87	0.44	0
274626	MC	0.73	0.35	0
274632	MC	0.67	0.34	0
274644	OR	0.43	0.67	3
274649	MC	0.46	0.29	0
281395	MC	0.78	0.42	0
281438	MC	0.76	0.41	0
281469	MC	0.77	0.37	0
283431	MC	0.54	0.43	0
287806	MC	0.70	0.40	0
287820	MC	0.64	0.32	0
287870	OR	0.54	0.43	1
293083	MC	0.52	0.37	0
294339	MC	0.75	0.42	0
294341	MC	0.59	0.37	0
294352	MC	0.78	0.31	0
294368	MC	0.68	0.38	0
294412	MC	0.60	0.26	0
296449	MC	0.66	0.46	1
299256	MC	0.73	0.35	0
299258	MC	0.70	0.28	0
299297	MC	0.70	0.36	0
299299	OR	0.55	0.60	2
300294	MC	0.68	0.30	0
300303	MC	0.83	0.40	0
300322	MC	0.74	0.27	0
300326	MC	0.55	0.45	0
300331	MC	0.60	0.50	1
305081	MC	0.88	0.34	0
305090	MC	0.74	0.39	0
305117	MC	0.65	0.38	0
305160	MC	0.66	0.46	0
306794	MC	0.60	0.36	0
310018	MC	0.75	0.37	0
310050	MC	0.61	0.35	0
310059	OR	0.40	0.58	2
310307	MC	0.74	0.43	1
310312	MC	0.53	0.24	0
310341	MC	0.70	0.33	0
313248	MC	0.67	0.49	0
313252	MC	0.58	0.36	0
313265	OR	0.34	0.64	4
313293	MC	0.69	0.28	0
316905	MC	0.50	0.23	0