

APPENDIX E

ITEM-LEVEL CLASSICAL STATISTICS

**Table E-1. 2018 Legacy MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 10**

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
69,391	308234C	WR	0.84	0.74	0.00
	308234T	WR	0.57	0.73	0.00
	309775	MC	0.61	0.30	0.00
	309852	MC	0.86	0.42	0.00
	309854	MC	0.69	0.39	0.00
	309857	MC	0.67	0.47	1.00
	309859	MC	0.65	0.26	0.00
	309861	MC	0.75	0.39	1.00
	309864	MC	0.72	0.41	0.00
	309865	MC	0.57	0.27	1.00
	309870	OR	0.61	0.70	2.00
	312078	MC	0.59	0.26	0.00
	312084	MC	0.72	0.39	0.00
	312092	MC	0.85	0.39	0.00
	312094	MC	0.67	0.38	0.00
	314958	MC	0.78	0.26	0.00
	314967	MC	0.76	0.44	0.00
	314971	MC	0.89	0.43	0.00
	314981	MC	0.83	0.32	0.00
	314984	MC	0.93	0.45	0.00
	314992	MC	0.91	0.29	0.00
	314994	MC	0.74	0.31	0.00
	315010	OR	0.68	0.65	1.00
	315164	MC	0.81	0.38	0.00
	315325	MC	0.85	0.36	0.00
	315326	MC	0.83	0.31	0.00
	315330	MC	0.70	0.34	0.00
	315332	MC	0.81	0.33	0.00
	315336	MC	0.82	0.48	0.00
	315343	MC	0.87	0.44	0.00
	315347	MC	0.77	0.38	0.00
	315348	MC	0.61	0.23	0.00
	315350	OR	0.67	0.64	0.00
	316571	MC	0.91	0.44	0.00
	316579	MC	0.90	0.47	0.00
	316580	MC	0.92	0.46	0.00
	316590	MC	0.83	0.38	0.00
	316592	OR	0.65	0.64	1.00
	316629	MC	0.88	0.33	0.00
	316630	MC	0.91	0.44	0.00
316631	MC	0.90	0.38	0.00	
316636	MC	0.87	0.33	0.00	

Table E-2. 2018 Legacy MCAS: Item-Level Classical Test Theory Statistics – Mathematics – Grade 10

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
69,150	268273	SA	0.54	0.53	2.00
	273584	MC	0.65	0.61	0.00
	279337	SA	0.71	0.49	1.00
	281598	MC	0.76	0.41	1.00
	287752	OR	0.55	0.79	2.00
	294307	MC	0.75	0.44	0.00
	294634	MC	0.60	0.56	0.00
	299922	MC	0.81	0.41	0.00
	299925	MC	0.74	0.44	0.00
	300997	MC	0.84	0.52	0.00
	303277	MC	0.63	0.51	1.00
	303358	MC	0.81	0.48	0.00
	304294	MC	0.70	0.52	0.00
	306502	MC	0.38	0.16	1.00
	306520	MC	0.92	0.43	0.00
	306549	MC	0.61	0.48	0.00
	306583	MC	0.62	0.47	0.00
	307696	OR	0.57	0.75	1.00
	311210	MC	0.61	0.52	0.00
	311264	MC	0.80	0.54	0.00
	311303	MC	0.65	0.50	0.00
	311975	MC	0.81	0.49	0.00
	311985	MC	0.67	0.51	0.00
	312357	SA	0.47	0.48	1.00
	312359	OR	0.58	0.76	1.00
	312390	MC	0.65	0.44	0.00
	312400	MC	0.80	0.52	1.00
	313079	OR	0.57	0.73	1.00
	314928	MC	0.65	0.45	0.00
	315004	MC	0.58	0.31	0.00
	315022	MC	0.64	0.53	1.00
	315025	MC	0.63	0.26	0.00
	315030	MC	0.90	0.20	0.00
	315074	MC	0.71	0.51	0.00
	315080	MC	0.83	0.35	1.00
	315128	OR	0.66	0.70	1.00
	315421	MC	0.89	0.46	0.00
	315446	MC	0.84	0.46	0.00
	315451	MC	0.91	0.44	0.00
	315738	MC	0.83	0.37	0.00
315758	SA	0.64	0.46	1.00	
315778	OR	0.70	0.77	2.00	

**Table E-3. 2018 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Biology – Grade HS**

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
	208283	OR	0.46	0.70	2.00
	234806	OR	0.63	0.71	2.00
	261199	MC	0.65	0.34	0.00
	273292	MC	0.77	0.54	0.00
	273520	MC	0.86	0.41	0.00
	273546	MC	0.54	0.21	0.00
	276760	MC	0.62	0.54	0.00
	289148	OR	0.42	0.62	1.00
	289310	MC	0.57	0.24	0.00
	290008	MC	0.73	0.36	0.00
	294821	MC	0.70	0.29	0.00
	296649	MC	0.53	0.24	0.00
	299828	MC	0.69	0.22	0.00
	299981	MC	0.65	0.24	0.00
	301351	MC	0.85	0.52	0.00
	301372	MC	0.88	0.29	0.00
	301381	MC	0.57	0.37	0.00
	301406	MC	0.61	0.35	0.00
	304841	MC	0.80	0.44	0.00
	304871	MC	0.74	0.50	0.00
	304928	MC	0.52	0.38	0.00
	305070	MC	0.77	0.42	0.00
53,583	305071	MC	0.78	0.36	0.00
	305073	MC	0.70	0.39	0.00
	305074	MC	0.81	0.44	0.00
	305077	OR	0.37	0.55	1.00
	305768	MC	0.82	0.38	0.00
	305773	MC	0.61	0.42	0.00
	305776	MC	0.68	0.33	0.00
	308744	MC	0.78	0.23	0.00
	310071	MC	0.84	0.46	0.00
	313331	MC	0.85	0.54	0.00
	313366	MC	0.57	0.23	0.00
	313369	MC	0.56	0.24	0.00
	313372	MC	0.62	0.39	0.00
	313436	MC	0.83	0.46	0.00
	313445	MC	0.65	0.31	0.00
	314734	MC	0.79	0.39	0.00
	316128	MC	0.89	0.41	0.00
	316145	MC	0.84	0.42	0.00
	316190	MC	0.60	0.25	0.00
	316215	MC	0.83	0.45	0.00
	316229	MC	0.56	0.26	0.00
	316251	MC	0.80	0.46	0.00
	316268	OR	0.53	0.60	2.00

Table E-4. 2018 Legacy MCAS: Item-Level Classical Test Theory Statistics – Chemistry – Grade HS

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
	208285	MC	0.81	0.43	0.00
	226974	MC	0.77	0.46	0.00
	229644	MC	0.72	0.32	0.00
	229662	MC	0.91	0.33	0.00
	230419	MC	0.79	0.41	0.00
	230665	MC	0.82	0.40	0.00
	244827	MC	0.81	0.42	0.00
	244944	OR	0.39	0.67	4.00
	246683	MC	0.79	0.25	0.00
	258902	MC	0.65	0.42	0.00
	258914	MC	0.73	0.34	0.00
	258916	MC	0.87	0.38	0.00
	260796	OR	0.50	0.68	1.00
	260908	MC	0.72	0.50	0.00
	261057	MC	0.86	0.42	0.00
	261451	MC	0.82	0.38	0.00
	261459	MC	0.69	0.31	0.00
	271908	MC	0.64	0.32	0.00
	272999	MC	0.75	0.46	0.00
	273017	MC	0.72	0.50	0.00
	273026	MC	0.55	0.46	0.00
	273191	MC	0.89	0.33	0.00
404	274078	MC	0.64	0.44	0.00
	275829	MC	0.61	0.49	0.00
	275850	MC	0.79	0.43	0.00
	275898	MC	0.78	0.35	0.00
	275906	MC	0.84	0.36	0.00
	281172	MC	0.57	0.35	0.00
	281268	MC	0.58	0.41	0.00
	281281	MC	0.81	0.41	0.00
	281924	MC	0.61	0.31	0.00
	287590	MC	0.55	0.45	0.00
	288245	MC	0.59	0.38	0.00
	288261	MC	0.67	0.49	0.00
	288262	MC	0.73	0.49	0.00
	294673	MC	0.78	0.40	0.00
	294709	OR	0.57	0.75	2.00
	294728	MC	0.63	0.49	0.00
	294746	MC	0.94	0.31	0.00
	294770	MC	0.59	0.53	0.00
	298326	OR	0.39	0.68	4.00
	298512	MC	0.78	0.42	0.00
	299695	MC	0.78	0.35	0.00
	299725	OR	0.51	0.63	4.00
	300101	MC	0.75	0.42	0.00

* 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 E-5. 2018 Legacy MCAS: Item-Level Classical Test Theory Statistics – Intro to Physics – Grade HS

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
	280449	MC	0.57	0.42	0.00
	280813	MC	0.61	0.39	0.00
	280950	MC	0.74	0.37	0.00
	285643	MC	0.69	0.39	0.00
	286519	MC	0.63	0.30	0.00
	287311	MC	0.64	0.38	0.00
	287331	OR	0.55	0.69	2.00
	287380	MC	0.51	0.32	0.00
	287386	MC	0.74	0.40	0.00
	290767	MC	0.67	0.39	0.00
	293918	MC	0.61	0.37	0.00
	293932	MC	0.68	0.50	0.00
	299317	OR	0.49	0.68	1.00
	304715	MC	0.68	0.27	0.00
	304739	MC	0.70	0.42	0.00
	304741	OR	0.57	0.73	2.00
	304750	MC	0.62	0.40	0.00
	304772	MC	0.81	0.51	0.00
	304781	MC	0.66	0.33	0.00
	305387	MC	0.61	0.20	0.00
	305490	MC	0.72	0.40	0.00
	306934	OR	0.63	0.73	3.00
14,427	310442	MC	0.75	0.41	0.00
	310445	MC	0.70	0.35	0.00
	310449	MC	0.66	0.39	0.00
	310457	MC	0.75	0.36	0.00
	311020	MC	0.67	0.27	0.00
	311317	MC	0.81	0.51	0.00
	311319	MC	0.83	0.36	0.00
	311351	MC	0.81	0.43	0.00
	311353	MC	0.74	0.36	0.00
	311373	MC	0.64	0.35	0.00
	313621	MC	0.76	0.46	0.00
	313642	MC	0.82	0.43	0.00
	313644	MC	0.66	0.35	0.00
	313706	MC	0.68	0.38	1.00
	313719	MC	0.73	0.43	0.00
	313731	MC	0.78	0.37	0.00
	315665	MC	0.55	0.41	0.00
	316302	MC	0.67	0.29	0.00
	316307	MC	0.59	0.28	0.00
	316356	MC	0.73	0.35	0.00
	316357	MC	0.68	0.35	0.00
	316432	OR	0.54	0.78	2.00
	317051	MC	0.73	0.38	0.00

Table E-6. 2018 Legacy MCAS: Item-Level Classical Test Theory Statistics – Technology and Engineering – Grade HS

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
	206618	MC	0.68	0.40	0.00
	246667	MC	0.66	0.40	0.00
	265889	MC	0.77	0.35	1.00
	268493	OR	0.47	0.56	1.00
	273081	MC	0.66	0.26	1.00
	274563	MC	0.82	0.33	0.00
	274585	MC	0.71	0.41	0.00
	274641	MC	0.68	0.39	0.00
	274663	OR	0.36	0.65	2.00
	281470	MC	0.73	0.46	0.00
	283356	MC	0.71	0.34	0.00
	283439	MC	0.65	0.29	0.00
	287791	MC	0.71	0.31	0.00
	287799	MC	0.92	0.34	0.00
	289934	MC	0.56	0.46	0.00
	290854	OR	0.29	0.57	2.00
	294350	MC	0.51	0.36	0.00
	294363	MC	0.60	0.31	0.00
	294365	MC	0.75	0.39	0.00
	294375	MC	0.70	0.28	0.00
	296414	MC	0.78	0.32	0.00
	296427	MC	0.58	0.33	0.00
2,272	296447	MC	0.85	0.37	0.00
	296455	MC	0.57	0.44	0.00
	299111	MC	0.46	0.22	0.00
	299284	MC	0.45	0.41	1.00
	299345	MC	0.71	0.42	0.00
	305082	MC	0.37	0.23	0.00
	305100	MC	0.79	0.42	0.00
	305128	OR	0.44	0.57	2.00
	305183	MC	0.76	0.47	0.00
	306795	MC	0.77	0.32	0.00
	310044	MC	0.59	0.23	0.00
	310051	MC	0.72	0.33	0.00
	310287	MC	0.66	0.49	0.00
	310308	MC	0.60	0.33	0.00
	310310	MC	0.63	0.33	1.00
	313231	MC	0.85	0.35	0.00
	313236	MC	0.75	0.39	0.00
	313237	MC	0.56	0.44	0.00
	313280	MC	0.72	0.39	0.00
	316494	MC	0.69	0.27	0.00
	316542	OR	0.54	0.66	3.00
	316871	MC	0.68	0.27	0.00
	316902	MC	0.88	0.19	0.00

**Table E-7. 2018 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Science – Grades 5**

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
61,685	SC273683	MC	0.65	0.28	0.00
61,688	SC281791	MC	0.65	0.37	0.00
61,477	SC289354	OR	0.54	0.54	0.00
61,684	SC289422	MC	0.60	0.32	0.00
61,687	SC291245	MC	0.55	0.20	0.00
61,686	SC291258	MC	0.82	0.23	0.00
61,687	SC291387	MC	0.67	0.34	0.00
61,683	SC291478	MC	0.85	0.30	0.00
61,683	SC304599	MC	0.69	0.29	0.00
61,688	SC304603	MC	0.81	0.33	0.00
61,687	SC313099	MC	0.79	0.40	0.00
61,687	SC315947	MC	0.87	0.40	0.00
61,684	SC315959	MC	0.78	0.36	0.00
61,685	SC315966	MC	0.79	0.43	0.00
61,688	SC315971	MC	0.81	0.24	0.00
61,683	SC315974	MC	0.64	0.38	0.00
61,687	SC315980	MC	0.71	0.43	0.00
61,687	SC315990	MC	0.88	0.33	0.00
61,687	SC315995	MC	0.75	0.22	0.00
61,687	SC316901	MC	0.72	0.44	0.00
61,683	SC317083	OR	0.64	0.50	1.00
61,681	SC253150	MC	0.79	0.45	0.00
61,686	SC264839	MC	0.69	0.22	0.00
61,680	SC264894	MC	0.71	0.39	0.00
61,684	SC273767	MC	0.69	0.37	0.00
61,685	SC281799	MC	0.76	0.20	0.00
61,679	SC281868	OR	0.45	0.56	2.00
61,681	SC288215	MC	0.77	0.33	0.00
61,684	SC291332	MC	0.71	0.38	0.00
61,688	SC291384	MC	0.88	0.30	0.00
61,683	SC294433	MC	0.62	0.37	0.00
61,683	SC294496	MC	0.72	0.40	0.00
61,687	SC299496	MC	0.52	0.26	0.00
61,315	SC299546	OR	0.49	0.65	1.00
61,684	SC304609	MC	0.71	0.14	0.00
61,684	SC304636	MC	0.79	0.38	0.00
61,685	SC304655	MC	0.71	0.34	0.00
61,688	SC309966	MC	0.85	0.40	0.00
61,679	SC315950	MC	0.44	0.19	0.00
61,683	SC315957	MC	0.64	0.40	0.00
61,682	SC315960	MC	0.81	0.39	0.00
61,681	SC315962	MC	0.76	0.49	0.00

**Table E-8. 2018 Legacy MCAS: Item-Level Classical Test Theory Statistics –
Science – Grades 8**

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
64,988	SC229364	MC	0.86	0.33	0.00
64,987	SC246351	MC	0.43	0.35	0.00
64,995	SC265228	MC	0.92	0.26	0.00
64,979	SC273959	MC	0.83	0.27	0.00
64,977	SC282007	MC	0.74	0.47	0.00
64,992	SC282016	MC	0.64	0.22	0.00
64,985	SC282039	MC	0.79	0.45	0.00
64,985	SC289633	MC	0.70	0.41	0.00
64,994	SC290150	MC	0.75	0.35	0.00
64,994	SC291708	MC	0.81	0.40	0.00
64,981	SC291712	MC	0.57	0.34	0.00
64,979	SC291974	MC	0.79	0.29	0.00
64,985	SC291979	MC	0.76	0.18	0.00
64,982	SC292003	MC	0.86	0.30	0.00
64,975	SC294061	MC	0.81	0.39	0.00
64,972	SC294249	OR	0.35	0.59	3.00
64,072	SC299539	OR	0.33	0.60	2.00
64,979	SC304555	MC	0.60	0.48	0.00
64,994	SC310260	MC	0.82	0.21	0.00
64,985	SC316029	MC	0.72	0.38	0.00
64,985	SC316036	MC	0.64	0.41	0.00
64,987	SC229440	MC	0.66	0.43	0.00
64,988	SC265267	MC	0.64	0.39	0.00
64,988	SC265306	MC	0.63	0.30	0.00
64,994	SC273915	MC	0.75	0.35	0.00
64,981	SC274032	MC	0.71	0.34	0.00
64,984	SC281955	MC	0.65	0.31	0.00
64,979	SC281974	MC	0.53	0.37	0.00
63,196	SC288297	OR	0.34	0.61	2.00
64,989	SC289680	MC	0.50	0.43	0.00
64,987	SC291857	MC	0.56	0.43	0.00
64,987	SC291999	MC	0.77	0.46	0.00
64,988	SC294073	MC	0.82	0.25	0.00
64,985	SC294103	MC	0.77	0.35	0.00
64,971	SC294112	OR	0.60	0.55	4.00
64,988	SC294222	MC	0.61	0.31	0.00
64,985	SC299397	MC	0.58	0.45	0.00
64,988	SC299466	MC	0.68	0.40	0.00
64,988	SC313184	MC	0.62	0.35	0.00
64,987	SC313193	MC	0.88	0.37	0.00
64,984	SC316007	MC	0.65	0.37	0.00
64,995	SC317093	MC	0.90	0.30	0.00