Appendix E

ITEM-LEVEL CLASSICAL STATISTICS

**Table E-1. 2012 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 3**

| Item | | Difficulty | Discrimination | Percent |
Number	Type			Omitted
270147	MC	0.70	0.40	0
270149	MC	0.85	0.51	0
270156	MC	0.92	0.38	0
270166	MC	0.86	0.42	0
270168	MC	0.84	0.50	0
270176	MC	0.69	0.43	0
270185	MC	0.80	0.37	1
270191	MC	0.85	0.45	1
270198	MC	0.74	0.44	0
270201	MC	0.85	0.39	0
276663	MC	0.84	0.55	0
276664	MC	0.75	0.52	0
276670	MC	0.66	0.40	0
276673	MC	0.81	0.46	1
276675	MC	0.70	0.31	0
282176	SR	0.69	0.44	0
282177	SR	0.65	0.50	0
284942	MC	0.93	0.26	0
284943	MC	0.64	0.45	0
284947	MC	0.66	0.47	1
284948	MC	0.72	0.39	0
284949	MC	0.89	0.38	1
286602	SR	0.65	0.36	0
292666	MC	0.84	0.44	0
292668	MC	0.81	0.54	0
292669	MC	0.94	0.31	0
292673	MC	0.76	0.42	0
292674	MC	0.78	0.33	0
292677	MC	0.76	0.41	0
292680	MC	0.84	0.50	0
292682	MC	0.80	0.34	0
292685	MC	0.79	0.36	0
292686	MC	0.75	0.43	0
292692	OR	0.53	0.51	0
292742	MC	0.85	0.41	0
292743	MC	0.88	0.46	1
292745	MC	0.87	0.48	0
292749	MC	0.51	0.32	0
292753	MC	0.70	0.47	1
292754	MC	0.81	0.46	1
292758	SR	0.67	0.59	0

**Table E-2. 2012 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 4**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
276987	MC	0.86	0.43	1
276990	MC	0.78	0.39	1
276992	MC	0.88	0.25	1
277002	MC	0.77	0.30	1
277008	MC	0.84	0.43	1
277009	OR	0.43	0.49	0
279972	MC	0.83	0.40	0
279978	MC	0.75	0.37	0
279981	MC	0.65	0.34	0
279987	MC	0.86	0.43	0
279990	MC	0.77	0.34	0
279994	MC	0.78	0.43	0
279995	MC	0.81	0.38	0
279997	MC	0.78	0.46	0
279999	MC	0.88	0.40	1
280000	MC	0.83	0.45	0
280003	OR	0.47	0.56	0
285290	MC	0.78	0.38	0
285292	MC	0.75	0.40	1
285293	MC	0.79	0.31	0
285296	MC	0.67	0.24	1
285300	MC	0.71	0.39	1
285302	MC	0.75	0.41	0
285303	MC	0.76	0.41	1
285304	MC	0.78	0.36	1
285307	MC	0.81	0.37	1
285310	OR	0.44	0.62	0
285357	MC	0.87	0.37	1
285358	MC	0.87	0.33	1
285361	MC	0.75	0.36	1
285366	MC	0.63	0.42	1
287469	MC	0.61	0.31	1
287663	MC	0.86	0.48	0
287974C	WR	0.80	0.64	
287974T	WR	0.57	0.59	
291029	MC	0.83	0.46	0
291030	MC	0.91	0.44	0
291031	MC	0.94	0.41	1
291032	MC	0.83	0.40	0
291035	MC	0.76	0.38	1
291040	OR	0.56	0.61	0
291341	MC	0.78	0.46	0

**Table E-3. 2012 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 5**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
276049	MC	0.84	0.47	0
276051	MC	0.83	0.44	0
276119	MC	0.64	0.41	0
276120	MC	0.90	0.47	0
276124	MC	0.93	0.35	0
276125	MC	0.92	0.40	0
276127	MC	0.84	0.36	1
276128	MC	0.67	0.38	0
276129	OR	0.52	0.65	0
276325	MC	0.79	0.44	0
276331	MC	0.94	0.39	0
276334	MC	0.66	0.41	0
276343	MC	0.83	0.39	0
276348	OR	0.61	0.51	0
283505	MC	0.64	0.32	0
283507	MC	0.89	0.37	0
283508	MC	0.60	0.36	0
283509	MC	0.64	0.37	1
283510	MC	0.64	0.36	1
283516	OR	0.47	0.60	0
284538	MC	0.64	0.28	1
284540	MC	0.71	0.31	1
284542	MC	0.65	0.36	1
284545	MC	0.68	0.39	1
284546	MC	0.59	0.33	1
286685	MC	0.84	0.44	0
286686	MC	0.80	0.37	0
286687	MC	0.86	0.40	0
286689	MC	0.63	0.43	0
286692	MC	0.74	0.37	0
286694	MC	0.62	0.36	0
286695	MC	0.70	0.40	0
286697	MC	0.84	0.45	0
286700	MC	0.84	0.34	0
286701	MC	0.78	0.41	0
286706	OR	0.48	0.55	0
287624	MC	0.88	0.26	0
287625	MC	0.88	0.30	0
287626	MC	0.76	0.44	0
287627	MC	0.55	0.39	0

**Table E-4. 2012 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 6**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
266494	MC	0.61	0.42	1
266498	MC	0.65	0.44	1
266504	MC	0.87	0.47	1
266509	MC	0.75	0.42	1
266527	MC	0.67	0.37	1
285577	MC	0.86	0.43	0
285580	MC	0.68	0.33	0
285583	MC	0.77	0.43	0
285585	MC	0.86	0.38	0
285586	MC	0.74	0.38	0
285590	MC	0.88	0.44	0
285596	MC	0.81	0.38	0
285597	MC	0.65	0.37	0
285598	MC	0.66	0.34	0
285599	MC	0.70	0.55	1
285611	OR	0.56	0.59	0
292307	MC	0.58	0.38	0
292309	MC	0.79	0.30	0
292311	MC	0.86	0.38	0
292313	MC	0.58	0.53	0
292317	MC	0.76	0.30	0
292319	MC	0.77	0.49	0
292323	OR	0.62	0.64	0
292328	MC	0.88	0.33	0
292329	MC	0.84	0.41	0
292332	MC	0.87	0.50	0
292334	MC	0.69	0.24	0
292338	MC	0.89	0.43	0
292339	MC	0.77	0.42	0
292341	MC	0.82	0.43	0
292346	MC	0.88	0.34	0
292350	MC	0.66	0.33	0
292351	MC	0.91	0.37	0
292354	OR	0.56	0.62	0
292372	MC	0.85	0.25	0
292375	MC	0.55	0.34	0
292378	MC	0.71	0.31	0
292381	MC	0.67	0.37	0
292384	MC	0.79	0.42	1
292389	OR	0.53	0.60	1

**Table E-5. 2012 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 7**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
266605	MC	0.80	0.43	1
266608	MC	0.67	0.27	1
266609	MC	0.47	0.25	1
266612	MC	0.48	0.16	1
266614	MC	0.71	0.42	1
277019	MC	0.90	0.40	0
277023	MC	0.64	0.30	0
277025	MC	0.58	0.43	0
277039	MC	0.54	0.31	0
277040	MC	0.78	0.35	0
277042	MC	0.66	0.22	0
277046	MC	0.81	0.39	0
277047	MC	0.82	0.35	0
277049	MC	0.92	0.37	0
277055	OR	0.62	0.64	0
279221	MC	0.79	0.47	0
279223	MC	0.70	0.37	0
279225	MC	0.67	0.38	0
279227	MC	0.73	0.36	0
279237	MC	0.89	0.46	0
279239	OR	0.53	0.68	1
280267	MC	0.75	0.38	0
280268	MC	0.88	0.43	0
280270	MC	0.79	0.34	0
280271	MC	0.74	0.32	0
280272	MC	0.90	0.46	0
280275	MC	0.79	0.46	0
280277	MC	0.87	0.49	0
280279	MC	0.90	0.37	0
280280	MC	0.81	0.44	0
280281	MC	0.57	0.31	0
280287	MC	0.90	0.39	0
280290	OR	0.64	0.70	0
288032C	WR	0.84	0.69	
288032T	WR	0.58	0.66	
292812	MC	0.74	0.43	0
292815	MC	0.63	0.23	0
292817	MC	0.86	0.41	0
292820	MC	0.80	0.38	0
292821	MC	0.67	0.18	0
292823	MC	0.87	0.28	0
292825	OR	0.61	0.67	0

**Table E-6. 2012 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 8**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
275961	MC	0.81	0.38	0
275968	MC	0.82	0.31	0
275974	MC	0.73	0.37	0
275976	MC	0.72	0.42	0
275978	MC	0.86	0.50	0
275980	MC	0.82	0.41	0
275981	MC	0.82	0.41	0
275983	MC	0.87	0.44	0
275995	MC	0.71	0.47	0
276005	MC	0.81	0.40	0
276010	MC	0.92	0.43	0
276022	OR	0.63	0.61	0
276024	MC	0.75	0.47	1
276026	MC	0.89	0.39	1
276028	MC	0.73	0.35	1
276033	MC	0.79	0.47	1
276039	OR	0.61	0.60	0
276464	MC	0.75	0.44	0
283639	MC	0.91	0.40	0
283648	MC	0.77	0.38	0
283656	MC	0.80	0.45	0
283661	MC	0.70	0.47	0
283663	MC	0.76	0.47	0
283665	MC	0.90	0.46	0
283668	OR	0.59	0.63	0
291936	MC	0.93	0.24	1
291940	MC	0.86	0.38	1
291946	MC	0.62	0.27	1
291952	MC	0.65	0.19	1
291958	MC	0.81	0.49	1
293338	MC	0.86	0.19	0
293340	MC	0.93	0.35	0
293342	MC	0.77	0.46	0
293343	MC	0.85	0.37	0
293347	MC	0.65	0.46	0
293349	MC	0.79	0.48	0
293352	OR	0.69	0.59	0
294079	MC	0.79	0.55	0
294082	MC	0.81	0.38	0
294564	MC	0.80	0.55	0

**Table E-7. 2012 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 10**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
257574	MC	0.88	0.42	0
257575	MC	0.83	0.35	0
257579	MC	0.69	0.31	0
257581	MC	0.88	0.36	0
279454	MC	0.72	0.38	0
279457	MC	0.77	0.33	0
279460	MC	0.73	0.26	0
279462	MC	0.57	0.28	0
280613	MC	0.84	0.31	0
280614	MC	0.64	0.36	0
280617	MC	0.87	0.24	0
280627	MC	0.84	0.41	0
280628	MC	0.79	0.42	0
280629	MC	0.91	0.43	0
280631	MC	0.89	0.38	0
280632	MC	0.80	0.47	0
280634	OR	0.64	0.64	0
286009	MC	0.72	0.34	0
286011	MC	0.74	0.38	0
286015	MC	0.84	0.54	0
286016	MC	0.93	0.41	0
286019	MC	0.75	0.44	0
286023	MC	0.92	0.43	0
286027	MC	0.53	0.45	0
286031	MC	0.90	0.52	0
286033	OR	0.65	0.70	1
292762C	WR	0.87	0.70	
292762T	WR	0.60	0.68	
293044	MC	0.86	0.40	0
293052	MC	0.71	0.45	0
293055	OR	0.65	0.63	0
293560	MC	0.77	0.30	0
293561	MC	0.82	0.43	0
293565	MC	0.94	0.24	0
293568	MC	0.92	0.31	0
293569	MC	0.93	0.24	0
293572	MC	0.89	0.36	0
293575	MC	0.72	0.40	0
293577	MC	0.95	0.40	0
293580	OR	0.69	0.60	0
293864	MC	0.62	0.32	0
293866	MC	0.91	0.40	0

**Table E-8. 2012 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 3**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
198165	MC	0.83	0.45	0
203592	MC	0.83	0.37	1
203603	SA	0.62	0.43	0
203636	SA	0.71	0.41	0
206962	MC	0.91	0.39	0
206966	MC	0.88	0.37	0
207000	MC	0.69	0.33	0
207004	MC	0.87	0.52	2
207015	MC	0.80	0.50	1
207140	MC	0.85	0.48	0
207697	MC	0.95	0.31	1
207704	MC	0.87	0.37	0
207951	OR	0.67	0.58	0
218450	MC	0.84	0.32	0
227130	MC	0.88	0.42	0
227298	SA	0.45	0.43	1
252342	MC	0.83	0.44	0
252964	MC	0.82	0.40	0
253572	MC	0.85	0.50	0
253576	SA	0.85	0.47	0
253597	OR	0.65	0.34	0
253706	MC	0.80	0.35	1
260526	MC	0.73	0.52	0
260581	SA	0.80	0.49	0
260979	MC	0.75	0.41	0
261005	MC	0.86	0.42	0
281097	MC	0.91	0.44	0
281208	MC	0.82	0.34	0
281227	OR	0.64	0.56	0
281985	MC	0.41	0.41	0
282103	MC	0.82	0.36	0
282999	MC	0.63	0.44	0
283009	SA	0.72	0.53	0
287132	MC	0.64	0.42	0
287161	OR	0.54	0.53	0
287168	MC	0.77	0.51	0

Table E-9. 2012 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 4

Item Number	Type	Difficulty	Discrimination	Percent Omitted
218954	MC	0.54	0.35	0
227301	OR	0.57	0.61	0
227368	MC	0.90	0.33	1
227375	MC	0.86	0.39	0
227393	MC	0.72	0.52	0
227395	MC	0.59	0.40	0
227397	MC	0.71	0.25	0
227399	MC	0.65	0.26	0
227403	MC	0.44	0.46	0
227469	SA	0.82	0.40	0
227571	MC	0.80	0.28	0
247474	MC	0.78	0.41	0
247533	MC	0.87	0.33	0
247575	MC	0.87	0.34	0
247596	MC	0.68	0.46	0
247653	SA	0.55	0.40	0
247680	MC	0.61	0.35	0
247731	MC	0.63	0.38	0
250326	MC	0.85	0.37	0
258196	MC	0.75	0.29	0
258227	SA	0.72	0.36	0
258230	SA	0.74	0.53	1
258243	MC	0.55	0.36	0
258273	MC	0.60	0.38	0
258281	MC	0.67	0.42	0
258282	OR	0.73	0.62	0
258289	MC	0.91	0.44	0
272123	MC	0.83	0.36	1
272162	MC	0.58	0.36	0
279761	MC	0.63	0.52	0
279769	MC	0.67	0.33	0
279786	SA	0.70	0.44	0
279788	SA	0.81	0.42	0
280718	MC	0.68	0.33	0
280787	MC	0.69	0.43	0
280790	MC	0.61	0.39	1
281896	OR	0.72	0.67	0
286762	MC	0.78	0.42	0
287488	OR	0.58	0.56	0
293984	MC	0.70	0.45	0
299678	MC	0.66	0.27	0
299679	MC	0.67	0.45	0

**Table E-10. 2012 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 5**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
204724	MC	0.74	0.49	0
204816	MC	0.78	0.42	0
206921	MC	0.71	0.51	1
206950	MC	0.75	0.56	0
207079	MC	0.79	0.38	0
207696	OR	0.59	0.69	0
217317	MC	0.74	0.43	1
217382	MC	0.79	0.51	0
221174	MC	0.84	0.39	0
221182	MC	0.70	0.54	0
221209	SA	0.65	0.54	0
221451	MC	0.73	0.48	0
249061	MC	0.85	0.41	0
249097	MC	0.84	0.39	0
260699	MC	0.82	0.34	1
260821	MC	0.75	0.37	0
261196	MC	0.64	0.41	1
261216	MC	0.81	0.36	0
262237	SA	0.59	0.46	1
272771	MC	0.85	0.38	0
272773	MC	0.68	0.49	0
272775	MC	0.57	0.48	0
272786	MC	0.62	0.50	0
273790	MC	0.87	0.44	0
273791	MC	0.83	0.52	0
280477	MC	0.69	0.52	0
280479	MC	0.85	0.45	0
280500	SA	0.49	0.41	1
280507	MC	0.51	0.47	0
280694	MC	0.90	0.39	1
280734	SA	0.81	0.43	0
280821	MC	0.48	0.33	0
287177	MC	0.86	0.47	0
287185	MC	0.47	0.45	0
287253	MC	0.82	0.19	0
287261	MC	0.90	0.32	0
287263	SA	0.85	0.40	0
287266	OR	0.53	0.69	0
287414	MC	0.64	0.32	0
287618	SA	0.52	0.54	0
287620	OR	0.59	0.69	0
287660	OR	0.63	0.66	0

**Table E-11. 2012 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 6**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
217478	MC	0.60	0.36	0
217519	MC	0.75	0.34	0
217541	MC	0.74	0.43	0
217604	SA	0.80	0.55	0
222282	MC	0.71	0.40	0
222289	MC	0.90	0.41	0
229001	MC	0.88	0.43	0
229732	MC	0.88	0.35	0
229878	MC	0.85	0.48	0
234403	MC	0.57	0.33	0
251299	MC	0.66	0.56	0
251301	MC	0.80	0.40	0
251347	OR	0.60	0.67	0
251397	MC	0.68	0.51	0
251458	MC	0.62	0.39	0
251576	OR	0.66	0.71	0
264267	MC	0.77	0.50	0
264397	MC	0.68	0.46	1
264751	MC	0.59	0.48	0
265897	SA	0.70	0.62	1
266109	MC	0.74	0.46	0
266130	SA	0.66	0.53	0
272175	MC	0.87	0.42	1
272187	MC	0.75	0.31	0
272189	OR	0.65	0.69	0
272281	MC	0.73	0.50	0
272289	MC	0.79	0.39	1
272290	MC	0.57	0.36	0
282152	MC	0.87	0.42	0
282250	SA	0.75	0.45	0
282264	MC	0.72	0.43	0
282265	MC	0.74	0.38	0
282349	SA	0.37	0.50	0
282475	OR	0.66	0.71	0
288280	MC	0.65	0.51	0
288283	MC	0.55	0.39	0
288294	SA	0.57	0.58	0
288380	MC	0.80	0.55	0
289744	MC	0.65	0.52	0
289746	MC	0.90	0.39	0
299675	MC	0.95	0.20	0
299677	MC	0.82	0.34	0

Table E-12. 2012 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 7

Item Number	Type	Difficulty	Discrimination	Percent Omitted
205650	OR	0.63	0.48	1
208497	MC	0.75	0.55	0
208664	MC	0.67	0.51	0
219458	MC	0.65	0.50	0
219460	MC	0.54	0.41	0
219537	SA	0.85	0.45	0
228010	MC	0.81	0.49	0
228031	MC	0.65	0.51	0
235466	MC	0.86	0.43	0
249213	MC	0.84	0.35	0
249217	SA	0.74	0.55	1
250462	OR	0.68	0.64	1
259247	MC	0.68	0.44	0
259270	MC	0.75	0.48	0
259283	MC	0.67	0.50	0
260331	MC	0.69	0.35	1
260373	MC	0.70	0.38	0
260381	MC	0.64	0.43	0
260415	SA	0.81	0.50	0
261059	MC	0.64	0.44	0
261082	MC	0.58	0.35	0
261632	OR	0.79	0.62	0
261645	MC	0.58	0.56	0
261649	MC	0.58	0.43	0
272142	MC	0.71	0.45	0
272453	MC	0.78	0.34	0
272712	MC	0.55	0.38	0
281493	SA	0.55	0.32	1
281673	MC	0.67	0.53	0
281682	MC	0.82	0.41	0
281698	MC	0.69	0.36	0
282293	MC	0.70	0.41	0
288413	MC	0.75	0.48	0
288703	MC	0.56	0.52	0
288736	OR	0.56	0.72	0
290129	SA	0.49	0.34	0
299632	MC	0.61	0.44	1
299633	MC	0.67	0.48	0
299634	MC	0.59	0.37	0
299635	MC	0.51	0.45	0
299665	SA	0.62	0.50	0
299957	MC	0.87	0.43	0

**Table E-13. 2012 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 8**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
219602	MC	0.84	0.34	0
219622	MC	0.64	0.60	0
219627	MC	0.83	0.37	0
219697	SA	0.78	0.49	1
219707	SA	0.46	0.57	1
226984	MC	0.76	0.55	0
228379	SA	0.89	0.33	0
228439	OR	0.67	0.75	1
229595	MC	0.83	0.42	0
229725	MC	0.79	0.29	0
252997	MC	0.73	0.46	0
252998	MC	0.74	0.43	0
253029	MC	0.62	0.59	0
253761	MC	0.74	0.41	0
253824	MC	0.77	0.56	0
264720	MC	0.66	0.48	0
264724	MC	0.73	0.46	0
264730	MC	0.66	0.35	0
264746	OR	0.59	0.74	0
264757	MC	0.72	0.45	0
264772	MC	0.57	0.40	0
264789	MC	0.45	0.50	0
265340	MC	0.67	0.47	0
265341	MC	0.63	0.42	0
265342	MC	0.72	0.40	0
265966	OR	0.48	0.56	1
272938	MC	0.77	0.52	0
272947	SA	0.73	0.45	0
273668	MC	0.71	0.61	0
275023	MC	0.71	0.54	0
275024	MC	0.62	0.48	0
275051	SA	0.62	0.46	1
276329	MC	0.44	0.44	0
283260	MC	0.70	0.46	0
283286	SA	0.74	0.60	1
284130	MC	0.48	0.44	0
284139	MC	0.69	0.57	0
284195	MC	0.52	0.42	0
284200	MC	0.59	0.55	0
284201	MC	0.63	0.58	0
287511	MC	0.52	0.44	0
287605	OR	0.60	0.73	1

**Table E-14. 2012 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 10**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
250662	SA	0.60	0.58	3
253249	MC	0.61	0.35	0
253251	MC	0.53	0.28	0
253844	MC	0.40	0.51	0
260876	MC	0.68	0.47	0
261492	SA	0.62	0.64	4
268495	MC	0.72	0.38	0
271552	MC	0.61	0.38	0
273625	MC	0.66	0.53	0
274073	MC	0.83	0.51	0
276483	OR	0.59	0.74	2
278456	MC	0.83	0.54	0
281525	MC	0.51	0.43	0
281647	MC	0.77	0.47	0
281702	MC	0.67	0.44	0
281712	MC	0.54	0.30	0
281735	MC	0.80	0.42	0
282086	MC	0.69	0.33	0
287431	MC	0.83	0.52	0
287444	MC	0.73	0.38	0
287454	MC	0.75	0.45	0
287457	MC	0.85	0.39	0
287462	SA	0.46	0.53	2
287466	OR	0.67	0.76	1
287666	MC	0.70	0.39	0
287668	MC	0.85	0.48	0
287682	MC	0.47	0.28	1
287724	MC	0.64	0.47	0
287725	MC	0.49	0.26	0
287738	SA	0.72	0.57	1
287750	OR	0.50	0.70	1
287919	MC	0.56	0.32	0
287929	MC	0.52	0.34	0
287931	MC	0.72	0.40	0
288048	OR	0.69	0.75	2
288055	MC	0.81	0.39	0
288070	MC	0.81	0.41	0
288088	OR	0.76	0.64	1
288089	OR	0.70	0.70	1
288120	MC	0.84	0.36	0
288125	MC	0.78	0.34	0
293323	MC	0.81	0.48	0

**Table E-15. 2012 MCAS: Item-Level Classical Test Theory Statistics –
STE – Grade 5**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
227839	MC	0.80	0.39	0
227877	MC	0.76	0.38	0
245353	MC	0.63	0.33	0
245514	MC	0.73	0.37	0
245522	MC	0.94	0.28	0
245524	MC	0.79	0.38	0
264816	MC	0.50	0.32	0
264826	MC	0.90	0.36	0
264831	MC	0.52	0.46	0
264838	MC	0.79	0.37	0
264882	MC	0.84	0.40	0
264891	MC	0.51	0.39	0
264893	OR	0.40	0.56	0
273715	MC	0.57	0.39	0
273720	OR	0.47	0.59	0
273725	MC	0.53	0.34	0
273729	MC	0.96	0.22	0
273730	MC	0.75	0.36	0
273737	MC	0.79	0.38	0
273741	MC	0.61	0.30	0
273754	MC	0.86	0.38	0
273770	MC	0.77	0.44	0
273775	MC	0.69	0.39	0
273784	MC	0.85	0.31	0
281799	MC	0.71	0.22	0
281800	MC	0.87	0.30	0
281801	MC	0.83	0.43	1
281811	OR	0.42	0.54	0
281837	MC	0.90	0.41	0
281887	MC	0.61	0.46	0
288140	MC	0.82	0.47	0
288150	MC	0.89	0.28	0
288176	OR	0.56	0.58	0
288177	MC	0.45	0.23	0
288204	MC	0.56	0.39	0
288205	MC	0.84	0.34	0
288603	MC	0.53	0.40	0
289158	MC	0.51	0.27	0
291176	MC	0.80	0.44	0
291238	MC	0.88	0.39	0
291260	MC	0.63	0.47	0
291376	MC	0.70	0.33	0

Table E-16. 2012 MCAS: Item-Level Classical Test Theory Statistics – STE – Grade 8

Item Number	Type	Difficulty	Discrimination	Percent Omitted
226412	MC	0.73	0.39	0
227944	MC	0.80	0.48	0
229370	MC	0.64	0.28	0
229468	MC	0.50	0.26	0
246307	MC	0.66	0.38	0
246372	MC	0.70	0.36	0
265215	OR	0.38	0.63	1
265216	MC	0.72	0.39	0
265219	MC	0.76	0.41	0
265269	MC	0.83	0.42	0
265302	MC	0.52	0.29	0
273915	MC	0.73	0.38	0
273934	MC	0.85	0.38	0
273938	MC	0.91	0.35	0
273971	MC	0.73	0.41	0
281078	MC	0.54	0.45	0
281958	MC	0.47	0.33	0
282001	MC	0.83	0.38	0
282002	MC	0.78	0.35	0
282019	OR	0.43	0.63	2
282023	MC	0.68	0.40	0
282029	MC	0.63	0.38	0
282037	MC	0.87	0.39	0
282058	MC	0.67	0.53	0
288300	MC	0.65	0.43	0
288303	MC	0.82	0.33	0
288305	MC	0.67	0.43	0
288316	MC	0.75	0.45	0
288318	OR	0.44	0.50	0
288322	MC	0.54	0.33	0
288323	MC	0.68	0.30	0
288328	MC	0.84	0.43	0
288347	MC	0.56	0.46	0
288350	MC	0.75	0.25	0
289680	MC	0.53	0.40	0
289753	MC	0.46	0.34	0
290150	MC	0.70	0.38	0
290236	OR	0.51	0.58	1
291915	MC	0.66	0.20	0
291963	MC	0.65	0.41	0
291993	MC	0.75	0.39	0
299826	MC	0.86	0.39	0

**Table E-17. 2012 MCAS: Item-Level Classical Test Theory Statistics –
High School Biology**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
208194	MC	0.70	0.41	0
209074	MC	0.81	0.31	0
234782	MC	0.64	0.45	0
234783	MC	0.76	0.53	0
234808	OR	0.34	0.64	3
235183	MC	0.69	0.47	0
235186	MC	0.75	0.37	0
242858	MC	0.60	0.42	0
256955	MC	0.56	0.41	0
261253	MC	0.73	0.37	0
261447	OR	0.44	0.69	2
273302	MC	0.66	0.56	0
273533	MC	0.79	0.49	0
273543	MC	0.97	0.24	0
273544	MC	0.74	0.39	0
279496	MC	0.87	0.46	0
279498	OR	0.50	0.53	2
279796	MC	0.77	0.45	0
279804	MC	0.80	0.37	0
283136	MC	0.89	0.31	0
283151	MC	0.47	0.28	0
283167	MC	0.68	0.41	0
283200	MC	0.73	0.53	0
283207	MC	0.56	0.41	0
283215	MC	0.82	0.45	0
283217	MC	0.76	0.36	0
285636	MC	0.88	0.45	0
288171	MC	0.80	0.48	0
289215	MC	0.87	0.33	0
289289	MC	0.76	0.48	0
289297	MC	0.76	0.38	0
289981	MC	0.68	0.35	0
289986	MC	0.51	0.24	0
289988	MC	0.72	0.51	0
289990	MC	0.39	0.32	0
289994	OR	0.55	0.69	1
290024	MC	0.80	0.32	0
290258	MC	0.71	0.34	0
290931	MC	0.89	0.33	0
290943	MC	0.86	0.42	0
290952	MC	0.72	0.39	0
290982	MC	0.85	0.36	0
290983	MC	0.79	0.42	0
290993	MC	0.83	0.33	0
291007	OR	0.54	0.61	2

**Table E-18. 2012 MCAS: Item-Level Classical Test Theory Statistics –
High School Chemistry**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
206670	MC	0.57	0.49	0
206688	OR	0.48	0.68	1
208301	MC	0.90	0.37	
216946	MC	0.83	0.46	0
216947	MC	0.54	0.38	0
216949	MC	0.71	0.46	
216953	MC	0.74	0.47	0
229235	MC	0.76	0.58	0
229504	MC	0.73	0.42	0
229517	MC	0.88	0.46	
229652	MC	0.92	0.37	
229678	MC	0.87	0.41	0
246822	MC	0.43	0.36	
251804	MC	0.83	0.45	0
252153	MC	0.59	0.43	0
252564	MC	0.58	0.36	0
252678	MC	0.88	0.47	0
258930	MC	0.56	0.53	0
258935	MC	0.61	0.36	0
258937	MC	0.77	0.51	0
258965	MC	0.78	0.30	
260036	MC	0.60	0.29	
260041	MC	0.54	0.33	
260762	MC	0.75	0.29	0
261154	OR	0.71	0.54	1
261470	MC	0.70	0.26	
264310	MC	0.88	0.40	0
264340	MC	0.87	0.33	
273206	MC	0.76	0.52	0
273212	MC	0.50	0.32	0
274061	MC	0.72	0.36	0
275834	MC	0.60	0.32	0
275840	MC	0.55	0.23	0
275846	MC	0.80	0.48	
275857	MC	0.80	0.44	0
275928	MC	0.73	0.46	0
281286	MC	0.57	0.41	0
281306	OR	0.44	0.71	1
281962	MC	0.49	0.41	0
287569	MC	0.78	0.42	0
287582	MC	0.72	0.40	0
287584	MC	0.44	0.49	0
287607	OR	0.53	0.73	3
287891	OR	0.55	0.65	1
288254	MC	0.74	0.35	0

Table E-19. 2012 MCAS: Item-Level Classical Test Theory Statistics –
High School Introductory Physics

Item Number	Type	Difficulty	Discrimination	Percent Omitted
206583	MC	0.78	0.46	0
208523	MC	0.78	0.45	0
230911	MC	0.89	0.36	0
235319	MC	0.60	0.46	0
246993	MC	0.61	0.26	0
247000	OR	0.31	0.69	3
272642	MC	0.70	0.35	0
272647	MC	0.53	0.39	0
272652	MC	0.68	0.40	0
272664	MC	0.65	0.30	0
272679	MC	0.58	0.41	0
272740	MC	0.40	0.32	0
272746	MC	0.55	0.37	0
280439	MC	0.77	0.35	0
280461	MC	0.58	0.33	0
280842	MC	0.73	0.37	0
280847	MC	0.89	0.33	0
280856	MC	0.70	0.43	0
280867	MC	0.62	0.41	0
280955	MC	0.70	0.36	0
280959	MC	0.64	0.28	0
280971	MC	0.71	0.33	0
281909	MC	0.56	0.35	0
286518	MC	0.71	0.30	0
287035	MC	0.71	0.44	0
287043	MC	0.76	0.26	0
287053	MC	0.39	0.28	0
287057	MC	0.87	0.33	0
287200	MC	0.78	0.45	0
287215	OR	0.39	0.66	2
287221	MC	0.51	0.38	0
287226	MC	0.79	0.40	0
287234	MC	0.68	0.16	0
287301	MC	0.82	0.47	0
287308	MC	0.75	0.50	0
287317	MC	0.60	0.39	0
287327	MC	0.87	0.37	0
287385	MC	0.41	0.23	0
287394	MC	0.51	0.31	0
287406	OR	0.68	0.72	2
288357	MC	0.69	0.52	0
288368	MC	0.41	0.38	0
288376	MC	0.84	0.38	0
288393	OR	0.51	0.74	4
293154	OR	0.41	0.69	2

**Table E-20. 2012 MCAS: Item-Level Classical Test Theory Statistics –
High School Technology/Engineering**

Item Number	Type	Difficulty	Discrimination	Percent Omitted
206601	MC	0.61	0.38	0
206611	MC	0.86	0.41	0
206792	OR	0.40	0.64	4
208088	MC	0.53	0.38	0
208116	MC	0.53	0.37	0
208123	MC	0.42	0.16	0
208445	MC	0.55	0.39	0
209217	MC	0.89	0.30	0
215955	MC	0.80	0.40	0
221623	MC	0.52	0.41	0
248599	MC	0.45	0.39	0
251760	MC	0.74	0.22	0
251766	MC	0.53	0.21	0
260806	MC	0.87	0.44	0
260819	OR	0.58	0.56	3
261742	MC	0.31	0.40	0
265033	MC	0.44	0.23	0
265123	MC	0.45	0.31	0
265179	MC	0.61	0.42	0
268349	MC	0.67	0.31	0
268475	MC	0.69	0.33	0
271563	MC	0.42	0.29	0
273072	MC	0.80	0.39	0
273142	MC	0.86	0.34	0
274586	MC	0.43	0.32	0
274592	MC	0.63	0.39	0
274625	MC	0.79	0.35	0
274635	MC	0.86	0.43	0
281394	MC	0.79	0.48	0
281410	MC	0.73	0.40	0
281414	MC	0.51	0.32	0
281497	OR	0.31	0.59	4
283454	MC	0.63	0.26	0
283485	MC	0.78	0.46	0
285994	OR	0.75	0.51	1
287815	MC	0.59	0.37	0
287840	MC	0.29	0.16	0
287858	MC	0.71	0.38	0
287859	MC	0.66	0.40	0
288405	MC	0.73	0.40	0
289930	MC	0.36	0.08	0
290851	MC	0.60	0.39	0
292771	MC	0.76	0.46	0
293033	OR	0.53	0.70	4
293178	MC	0.76	0.31	

Table E-21. 2012 MCAS-Alt: Item-Level Classical Test Theory Statistics – ELA

Grade	Item Number	Type	Difficulty	Discrimination
3	comp1	OR	0.60	0.50
	comp2	OR	0.59	0.52
	comp3	OR		
	ind1	OR	0.98	0.63
	ind2	OR	0.97	0.67
	ind3	OR		
	sk1	OR	0.98	0.66
	sk2	OR	0.98	0.61
	sk3	OR		
4	comp1	OR	0.59	0.35
	comp2	OR	0.59	0.35
	comp3	OR	0.59	0.36
	ind1	OR	0.97	0.44
	ind2	OR	0.97	0.43
	ind3	OR	0.96	0.52
	sk1	OR	0.98	0.45
	sk2	OR	0.97	0.42
	sk3	OR	0.97	0.54
5	comp1	OR	0.60	0.51
	comp2	OR	0.59	0.48
	ind1	OR	0.97	0.72
	ind2	OR	0.97	0.68
	sk1	OR	0.98	0.63
	sk2	OR	0.98	0.66
6	comp1	OR	0.60	0.56
	comp2	OR	0.59	0.55
	ind1	OR	0.97	0.74
	ind2	OR	0.97	0.73
	sk1	OR	0.98	0.70
	sk2	OR	0.98	0.71
7	comp1	OR	0.59	0.31
	comp2	OR	0.59	0.33
	comp3	OR	0.59	0.32
	ind1	OR	0.97	0.42
	ind2	OR	0.97	0.37
	ind3	OR	0.96	0.41
	sk1	OR	0.97	0.41
	sk2	OR	0.97	0.36
	sk3	OR	0.98	0.39
8	comp1	OR	0.60	0.54
	comp2	OR	0.59	0.52
	ind1	OR	0.97	0.65
	ind2	OR	0.96	0.68
	sk1	OR	0.98	0.72
	sk2	OR	0.98	0.65

Grade	Item Number	Type	Difficulty	Discrimination
	comp1	OR	0.60	0.29
	comp2	OR	0.59	0.34
	comp3	OR	0.59	0.36
	ind1	OR	0.96	0.39
10	ind2	OR	0.95	0.44
	ind3	OR	0.95	0.54
	sk1	OR	0.97	0.40
	sk2	OR	0.96	0.39
	sk3	OR	0.96	0.41

COMP = level of complexity; IND = independence;
SK = demonstration of skills and concepts

Table E-22. 2012 MCAS-Alt: Item-Level Classical Test Theory Statistics – Mathematics

Grade	Item Number	Type	Difficulty	Discrimination
	comp1	OR	0.60	0.49
	comp2	OR	0.60	0.45
	comp3	OR		
	comp4	OR		
	ind1	OR	0.97	0.69
	ind2	OR	0.97	0.67
3	ind3	OR		
	ind4	OR		
	sk1	OR	0.98	0.58
	sk2	OR	0.98	0.61
	sk3	OR		
	sk4	OR		
	comp1	OR	0.59	0.58
	comp4	OR		
	comp5	OR	0.59	0.59
	ind1	OR	0.97	0.69
4	ind4	OR		
	ind5	OR	0.97	0.66
	sk1	OR	0.97	0.64
	sk4	OR		
	sk5	OR	0.98	0.62
	comp1	OR	0.60	0.53
	comp3	OR		
	comp4	OR	0.60	0.51
	ind1	OR	0.97	0.70
5	ind3	OR		
	ind4	OR	0.97	0.72
	sk1	OR	0.98	0.65
	sk3	OR		
	sk4	OR	0.98	0.66

Grade	Item Number	Item Type	Difficulty	Discrimination
	comp1	OR	0.60	0.58
	comp2	OR	0.60	0.57
	comp5	OR		
	ind1	OR	0.97	0.73
6	ind2	OR	0.97	0.71
	ind5	OR		
	sk1	OR	0.98	0.70
	sk2	OR	0.98	0.66
	sk5	OR		
	comp1	OR	0.60	0.58
	comp2	OR		
	comp5	OR	0.59	0.60
	ind1	OR	0.97	0.70
7	ind2	OR		
	ind5	OR	0.96	0.70
	sk1	OR	0.98	0.61
	sk2	OR		
	sk5	OR	0.98	0.55
	comp1	OR	0.60	0.57
	comp3	OR	0.60	0.54
8	ind1	OR	0.96	0.76
	ind3	OR	0.97	0.75
	sk1	OR	0.98	0.55
	sk3	OR	0.98	0.60
	comp1	OR	0.60	0.28
	comp2	OR	0.60	0.34
	comp3	OR	0.59	0.41
	comp4	OR	0.60	0.27
	comp5	OR	0.60	0.32
	ind1	OR	0.96	0.38
	ind2	OR	0.95	0.45
10	ind3	OR	0.94	0.59
	ind4	OR	0.95	0.36
	ind5	OR	0.96	0.50
	sk1	OR	0.96	0.37
	sk2	OR	0.96	0.29
	sk3	OR	0.95	0.40
	sk4	OR	0.96	0.33
	sk5	OR	0.97	0.39

COMP = level of complexity; IND = independence;
SK = demonstration of skills and concepts

**Table E-23. 2012 MCAS-Alt: Item-Level Classical Test Theory Statistics –
STE**

Grade	Item Number	Item Type	Difficulty	Discrimination
5	comp1	OR	0.59	0.34
	comp2	OR	0.59	0.31
	comp3	OR	0.59	0.35
	comp4	OR	0.60	0.31
	ind1	OR	0.97	0.42
	ind2	OR	0.97	0.49
	ind3	OR	0.97	0.39
	ind4	OR	0.97	0.49
	sk1	OR	0.98	0.41
	sk2	OR	0.98	0.42
	sk3	OR	0.98	0.43
	sk4	OR	0.99	0.31
8	comp1	OR	0.59	0.24
	comp2	OR	0.59	0.22
	comp3	OR	0.59	0.29
	comp4	OR	0.59	0.27
	ind1	OR	0.97	0.41
	ind2	OR	0.97	0.45
	ind3	OR	0.97	0.47
	ind4	OR	0.98	0.30
	sk1	OR	0.98	0.34
	sk2	OR	0.98	0.34
	sk3	OR	0.98	0.37
	sk4	OR	0.98	0.43

COMP = level of complexity; IND = independence;
SK = demonstration of skills and concepts

**Table E-24. 2012 MCAS-Alt: Item-Level Classical Test Theory Statistics –
High School Biology**

Item Number	Item Type	Difficulty	Discrimination
comp1	OR	0.60	0.25
comp2	OR	0.60	0.24
comp3	OR	0.60	0.25
comp4	OR		
ind1	OR	0.97	0.32
ind2	OR	0.96	0.39
ind3	OR	0.97	0.37
ind4	OR		
sk1	OR	0.97	0.37
sk2	OR	0.97	0.30
sk3	OR	0.97	0.28
sk4	OR		

COMP = level of complexity; IND = independence;
SK = demonstration of skills and concepts

**Table E-25. 2012 MCAS-Alt: Item-Level Classical Test Theory Statistics –
High School Chemistry**

Item Number	Type	Difficulty	Discrimination
comp1	OR	0.58	0.36
comp2	OR	0.58	0.36
comp3	OR	0.59	0.34
ind1	OR	0.98	0.47
ind2	OR	0.95	0.64
ind3	OR	0.96	0.30
sk1	OR	0.98	0.20
sk2	OR	0.99	0.41
sk3	OR	0.99	0.27

COMP = level of complexity; IND = independence;
SK = demonstration of skills and concepts

**Table E-26. 2012 MCAS-Alt: Item-Level Classical Test Theory Statistics –
High School Introductory Physics**

Item Number	Type	Difficulty	Discrimination
comp1	OR	0.61	0.61
comp2	OR	0.61	0.61
comp3	OR	0.59	0.64
ind1	OR	0.97	0.49
ind2	OR	0.97	0.46
ind3	OR	0.97	0.49
sk1	OR	0.96	0.54
sk2	OR	0.95	0.49
sk3	OR	0.94	0.57

COMP = level of complexity; IND = independence;
SK = demonstration of skills and concepts

**Table E-27. 2012 MCAS and MCAS-Alt: Item-Level Classical Test Theory Statistics –
High School Technology/Engineering**

Item Number	Type	Difficulty	Discrimination
comp1	OR	0.57	0.49
comp2	OR	0.57	0.54
comp3	OR	0.57	0.54
ind1	OR	0.95	0.67
ind2	OR	0.96	0.12
ind3	OR	0.95	0.46
sk1	OR	0.93	0.70
sk2	OR	0.95	0.42
sk3	OR	0.95	0.38

COMP = level of complexity; IND = independence;
SK = demonstration of skills and concepts