

APPENDIX E

ITEM-LEVEL CLASSICAL STATISTICS

**Table E-1. 2013 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 3**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
265934	MC	0.76	0.43	0
265939	MC	0.90	0.49	0
265940	MC	0.84	0.41	1
265942	MC	0.92	0.46	0
265946	MC	0.78	0.52	0
265953	SR	0.61	0.28	0
268487	MC	0.75	0.47	0
276946	MC	0.88	0.29	0
276949	MC	0.84	0.35	0
276955	MC	0.80	0.36	0
276958	MC	0.89	0.50	0
276960	MC	0.66	0.35	0
276961	MC	0.77	0.48	0
276966	MC	0.72	0.45	0
276969	MC	0.82	0.50	0
276972	MC	0.86	0.46	0
276979	OR	0.46	0.50	0
284956	MC	0.77	0.40	0
284958	MC	0.93	0.48	0
284959	MC	0.92	0.39	0
284961	MC	0.72	0.33	0
284963	MC	0.88	0.43	0
284966	MC	0.91	0.51	1
284968	MC	0.63	0.30	0
284971	MC	0.87	0.44	1
284972	MC	0.83	0.58	1
284974	MC	0.78	0.47	1
286598	SR	0.58	0.40	0
286599	SR	0.61	0.27	0
292630	MC	0.62	0.43	1
292631	MC	0.76	0.36	0
292634	MC	0.79	0.39	0
292637	MC	0.62	0.43	0
292639	MC	0.80	0.48	0
296935	MC	0.71	0.41	0
296938	MC	0.91	0.49	1
296939	MC	0.77	0.43	2
296940	MC	0.68	0.51	1
296948	MC	0.88	0.51	1
296952	SR	0.75	0.37	1
297166	MC	0.83	0.45	0

**Table E-2. 2013 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 4**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
285428	MC	0.80	0.47	1
285434	MC	0.74	0.45	1
285435	MC	0.76	0.45	2
285438	MC	0.73	0.44	2
285439	MC	0.76	0.31	1
285443	OR	0.46	0.56	1
291187	MC	0.75	0.28	1
291188	MC	0.74	0.27	1
291195	MC	0.87	0.42	1
291203	MC	0.84	0.34	2
291208	MC	0.77	0.38	1
291300	MC	0.80	0.40	0
291304	MC	0.90	0.50	0
291306	MC	0.84	0.46	1
291307	MC	0.71	0.43	1
291308	MC	0.85	0.52	1
291310	MC	0.74	0.47	1
291313	MC	0.71	0.40	1
291316	MC	0.81	0.37	1
291321	MC	0.82	0.39	1
291324	MC	0.73	0.36	1
291326	OR	0.44	0.56	0
297762	MC	0.75	0.38	0
297763	MC	0.81	0.41	0
297766	MC	0.74	0.34	0
297767	MC	0.76	0.41	0
297773	MC	0.71	0.43	1
297776	MC	0.75	0.23	0
297777	MC	0.87	0.39	1
297780	MC	0.93	0.32	0
297781	MC	0.87	0.40	1
297783	MC	0.60	0.30	1
297788	OR	0.43	0.58	0
298609	MC	0.74	0.39	1
298610	MC	0.71	0.32	0
298613	MC	0.84	0.44	0
298614	MC	0.87	0.45	0
298618	MC	0.80	0.41	1
298621	MC	0.83	0.48	0
298623	OR	0.53	0.58	0
299646C	WR	0.79	0.67	
299646T	WR	0.55	0.64	

**Table E-3. 2013 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 5**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
276273	MC	0.86	0.43	0
276276	MC	0.80	0.43	0
276280	MC	0.62	0.25	0
276284	MC	0.84	0.38	0
276285	MC	0.68	0.48	0
276287	MC	0.78	0.46	1
276290	OR	0.43	0.61	1
284382	MC	0.66	0.41	1
284384	MC	0.62	0.42	1
284385	MC	0.88	0.43	1
284388	MC	0.82	0.46	1
284390	MC	0.80	0.44	1
291605	MC	0.92	0.36	0
291606	MC	0.66	0.31	0
291607	MC	0.61	0.32	0
291611	MC	0.64	0.23	0
291613	MC	0.83	0.41	0
291620	OR	0.56	0.60	0
296712	MC	0.89	0.41	0
296715	MC	0.77	0.45	0
296719	MC	0.50	0.38	0
296726	MC	0.64	0.35	0
296727	MC	0.74	0.27	0
296729	MC	0.61	0.41	0
296730	MC	0.88	0.38	0
296737	MC	0.81	0.40	0
296739	MC	0.85	0.34	0
296741	MC	0.80	0.40	0
296745	OR	0.58	0.62	0
298382	MC	0.88	0.41	0
298388	MC	0.84	0.41	0
298390	MC	0.83	0.44	0
298393	MC	0.77	0.38	0
298394	MC	0.57	0.34	0
298397	MC	0.67	0.28	0
298398	MC	0.88	0.46	0
298401	MC	0.88	0.40	0
298402	MC	0.75	0.31	0
298404	MC	0.76	0.47	1
298405	OR	0.54	0.61	0

**Table E-4. 2013 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 6**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
277409	MC	0.78	0.36	0
277411	MC	0.60	0.49	0
277425	MC	0.69	0.30	1
277435	MC	0.75	0.51	0
277439	MC	0.71	0.44	1
277458	OR	0.57	0.60	0
280348	MC	0.63	0.41	1
280351	MC	0.62	0.27	1
280359	MC	0.87	0.42	1
280360	MC	0.68	0.34	1
286526	MC	0.82	0.40	0
286528	MC	0.92	0.38	0
286530	MC	0.67	0.41	0
286531	MC	0.94	0.36	0
286536	MC	0.85	0.33	0
286541	OR	0.67	0.58	0
287623	MC	0.80	0.45	1
297890	MC	0.77	0.26	0
297891	MC	0.82	0.43	0
297895	MC	0.80	0.34	0
297896	MC	0.79	0.42	0
297900	MC	0.93	0.34	0
297903	MC	0.76	0.48	0
297905	MC	0.90	0.28	0
297906	MC	0.69	0.26	0
297909	MC	0.82	0.39	0
297911	MC	0.75	0.43	0
297918	OR	0.59	0.55	0
298523	MC	0.85	0.42	0
298528	MC	0.66	0.42	0
298532	MC	0.46	0.27	0
298533	MC	0.79	0.43	0
298535	MC	0.52	0.37	0
298536	MC	0.60	0.37	0
298537	MC	0.83	0.35	0
298540	MC	0.65	0.32	0
298541	MC	0.58	0.34	0
298551	MC	0.79	0.48	1
298553	OR	0.48	0.64	0
304479	MC	0.92	0.38	0

**Table E-5. 2013 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 7**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
279203	MC	0.63	0.40	0
279206	MC	0.92	0.39	0
279211	MC	0.70	0.32	0
279213	MC	0.87	0.37	0
279215	MC	0.73	0.44	0
279217	MC	0.82	0.36	0
279219	MC	0.61	0.39	0
279229	OR	0.66	0.62	0
286374	MC	0.91	0.42	0
286375	MC	0.82	0.42	0
286376	MC	0.72	0.33	0
286379	MC	0.74	0.44	0
286382	MC	0.70	0.26	0
286385	OR	0.55	0.62	0
292063	MC	0.78	0.39	1
292067	MC	0.64	0.33	1
292071	MC	0.84	0.39	1
292072	MC	0.76	0.36	1
292073	MC	0.65	0.43	1
292074	MC	0.80	0.38	1
292135	MC	0.90	0.41	0
292138	MC	0.86	0.28	0
292140	MC	0.86	0.48	0
292146	MC	0.77	0.34	0
292148	MC	0.84	0.35	0
292149	MC	0.73	0.44	0
292155	OR	0.54	0.65	0
292183	MC	0.80	0.35	0
292184	MC	0.81	0.32	0
292188	MC	0.80	0.31	0
292190	MC	0.73	0.39	0
292193	MC	0.88	0.46	0
292194	MC	0.75	0.49	0
292197	MC	0.81	0.53	0
292198	MC	0.68	0.27	0
292202	MC	0.81	0.43	0
292203	MC	0.83	0.40	0
292207	OR	0.61	0.62	0
293602	MC	0.65	0.30	0
293604	MC	0.63	0.36	0
299669C	WR	0.82	0.69	
299669T	WR	0.56	0.67	

**Table E-6. 2013 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 8**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
271489	MC	0.78	0.35	0
271490	MC	0.77	0.33	0
271494	MC	0.77	0.43	0
271501	OR	0.63	0.64	1
272833	MC	0.81	0.33	0
283138	MC	0.80	0.40	0
283142	MC	0.68	0.49	0
283149	MC	0.72	0.35	0
283152	MC	0.86	0.39	0
283154	MC	0.93	0.38	0
283157	MC	0.64	0.36	0
283158	MC	0.90	0.40	0
283161	MC	0.71	0.37	0
283164	MC	0.57	0.43	0
283709	MC	0.74	0.26	0
283712	MC	0.90	0.38	0
283718	MC	0.96	0.31	0
283723	MC	0.83	0.40	0
283730	MC	0.71	0.34	0
283732	MC	0.86	0.37	0
283740	MC	0.85	0.41	0
283741	MC	0.80	0.28	0
283744	MC	0.71	0.35	0
283753	OR	0.67	0.63	0
285914	OR	0.62	0.67	0
285915	MC	0.89	0.41	0
288162	MC	0.82	0.45	0
297280	MC	0.78	0.37	0
297283	MC	0.79	0.36	0
297302	MC	0.55	0.41	0
297314	MC	0.88	0.35	0
297318	MC	0.78	0.47	0
297321	MC	0.67	0.42	0
297326	MC	0.82	0.44	0
297338	OR	0.62	0.63	0
298260	MC	0.64	0.37	1
298262	MC	0.60	0.40	1
298269	MC	0.63	0.37	1
298271	MC	0.94	0.32	1
298273	MC	0.68	0.34	1

**Table E-7. 2013 MCAS: Item-Level Classical Test Theory Statistics –
ELA – Grade 10**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
287071	MC	0.76	0.26	0
287074	MC	0.88	0.42	0
287077	MC	0.75	0.52	0
287078	MC	0.87	0.34	0
287079	MC	0.82	0.46	0
287082	MC	0.78	0.33	0
287085	MC	0.81	0.24	0
287086	MC	0.80	0.36	0
287089	OR	0.68	0.69	1
293543	MC	0.83	0.26	0
293546	MC	0.80	0.23	0
293553	MC	0.70	0.31	0
293554	MC	0.74	0.36	0
293557	OR	0.67	0.67	0
296569	MC	0.88	0.33	0
296572	MC	0.91	0.23	0
296576	MC	0.93	0.31	0
296577	MC	0.96	0.30	0
296579	MC	0.98	0.27	0
296584	MC	0.77	0.21	0
296587	MC	0.87	0.26	0
296590	MC	0.90	0.35	0
296592	OR	0.67	0.59	0
298491	MC	0.84	0.42	0
298492	MC	0.94	0.39	0
298493	MC	0.81	0.39	0
298495	MC	0.81	0.42	0
298497	MC	0.77	0.36	0
298792	MC	0.88	0.30	0
298794	MC	0.82	0.44	0
298796	MC	0.84	0.44	0
298798	MC	0.81	0.41	0
298799	MC	0.77	0.35	0
298800	MC	0.83	0.48	0
298806	MC	0.86	0.39	0
298808	OR	0.74	0.66	0
299007	MC	0.81	0.28	0
299010	MC	0.77	0.36	0
299014	MC	0.82	0.37	0
299017	MC	0.82	0.49	0
305208C	WR	0.88	0.70	
305208T	WR	0.61	0.69	

**Table E-8. 2013 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 3**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
198151	MC	0.80	0.41	0
203523	MC	0.86	0.35	1
203703	MC	0.79	0.51	0
206978	MC	0.93	0.31	0
207136	MC	0.90	0.33	0
207827	SA	0.70	0.42	0
207955	OR	0.71	0.50	0
218450	MC	0.82	0.33	0
225833	MC	0.76	0.39	0
253644	MC	0.65	0.45	0
260547	MC	0.86	0.43	0
260962	MC	0.73	0.35	0
264572	OR	0.65	0.58	0
279718	MC	0.62	0.38	2
281983	MC	0.64	0.46	0
281997	SA	0.80	0.48	0
283001	MC	0.43	0.34	0
283002	MC	0.93	0.31	0
285972	OR	0.76	0.58	0
286760	MC	0.70	0.47	0
287136	OR	0.74	0.44	0
287152	SA	0.21	0.37	0
287166	MC	0.87	0.36	0
287171	MC	0.76	0.38	0
293490	MC	0.44	0.11	0
293510	SA	0.79	0.31	0
297406	MC	0.77	0.43	1
297407	SA	0.87	0.44	0
297409	MC	0.73	0.49	0
297411	MC	0.84	0.44	0
297444	MC	0.63	0.33	1
297453	SA	0.84	0.48	0
297456	MC	0.69	0.51	1
297631	MC	0.74	0.36	1
297632	MC	0.94	0.25	0
304526	MC	0.88	0.36	1

**Table E-9. 2013 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 4**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
218882	MC	0.75	0.45	0
218902	MC	0.71	0.44	0
218933	MC	0.95	0.29	0
219073	SA	0.48	0.52	0
222183	MC	0.89	0.36	0
222213	MC	0.70	0.30	0
227367	MC	0.94	0.31	1
227380	MC	0.79	0.46	0
227864	SA	0.82	0.26	0
228997	MC	0.97	0.23	0
229016	MC	0.67	0.38	0
229063	MC	0.95	0.25	0
247590	MC	0.74	0.39	0
247682	MC	0.64	0.22	0
247734	MC	0.74	0.43	1
247745	MC	0.73	0.45	0
250313	OR	0.42	0.62	0
258212	SA	0.69	0.41	0
258274	MC	0.59	0.52	0
270627	MC	0.78	0.41	1
272128	MC	0.70	0.44	0
272227	OR	0.53	0.60	0
279727	MC	0.89	0.26	1
279764	MC	0.75	0.51	0
279778	MC	0.75	0.50	0
286768	MC	0.83	0.36	0
286771	MC	0.80	0.44	0
286777	MC	0.81	0.46	0
286788	MC	0.78	0.43	0
293449	MC	0.89	0.32	0
293519	SA	0.85	0.42	0
293523	MC	0.67	0.39	1
293689	MC	0.78	0.39	0
293719	SA	0.66	0.55	1
297611	MC	0.67	0.48	0
297615	OR	0.46	0.58	0
297617	OR	0.48	0.70	0
297619	MC	0.86	0.49	0
297623	SA	0.68	0.36	0
297625	MC	0.93	0.32	0
297982	MC	0.90	0.36	0
298082	MC	0.47	0.39	0

**Table E-10. 2013 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 5**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
198669	MC	0.82	0.40	0
204713	MC	0.89	0.37	0
204718	MC	0.69	0.45	0
204721	MC	0.69	0.57	0
204722	MC	0.73	0.62	0
206953	MC	0.74	0.46	0
207149	MC	0.78	0.46	0
207200	MC	0.69	0.25	0
207523	SA	0.63	0.51	0
217312	MC	0.85	0.49	0
217318	MC	0.81	0.57	0
217354	MC	0.79	0.40	0
248873	MC	0.88	0.50	0
248907	MC	0.79	0.20	0
249114	SA	0.77	0.46	0
260827	MC	0.85	0.46	0
260839	SA	0.58	0.52	1
261989	OR	0.50	0.72	0
262202	MC	0.58	0.52	0
272886	MC	0.59	0.35	0
272909	MC	0.61	0.22	0
280678	MC	0.93	0.38	0
280732	MC	0.46	0.29	0
280733	MC	0.87	0.35	0
287174	MC	0.78	0.26	0
287175	MC	0.74	0.46	1
287252	MC	0.63	0.37	0
287421	SA	0.86	0.43	0
293822	MC	0.65	0.38	0
293831	SA	0.89	0.37	0
296353	OR	0.55	0.71	0
297999	MC	0.81	0.43	0
298000	MC	0.86	0.41	0
298005	OR	0.61	0.56	0
298016	SA	0.72	0.55	0
298019	OR	0.55	0.71	0
298024	MC	0.75	0.39	0
298028	MC	0.57	0.36	1
298029	MC	0.77	0.50	1
298102	MC	0.74	0.47	0
299558	MC	0.85	0.30	1
305027	MC	0.94	0.34	0

**Table E-11. 2013 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 6**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
217619	SA	0.56	0.49	0
221615	MC	0.49	0.42	0
227704	MC	0.91	0.45	0
229837	MC	0.85	0.46	0
229868	MC	0.72	0.33	0
248904	SA	0.61	0.56	0
251262	MC	0.92	0.24	0
251350	OR	0.56	0.71	0
264404	MC	0.54	0.44	0
265878	MC	0.74	0.54	0
266118	MC	0.86	0.45	0
266120	MC	0.75	0.48	0
266122	MC	0.59	0.52	1
266127	MC	0.74	0.48	0
273841	OR	0.70	0.69	0
280489	MC	0.78	0.47	0
280989	MC	0.63	0.51	1
281510	MC	0.88	0.31	0
281968	MC	0.62	0.42	0
282136	MC	0.65	0.38	0
282153	MC	0.57	0.55	0
282234	MC	0.85	0.29	0
282260	MC	0.89	0.48	1
282262	MC	0.76	0.55	0
282266	MC	0.89	0.42	0
282278	SA	0.73	0.55	1
288794	MC	0.55	0.43	0
289758	SA	0.34	0.50	1
290243	MC	0.84	0.43	0
296376	MC	0.62	0.47	1
298136	MC	0.47	0.45	0
298143	MC	0.74	0.37	0
298152	MC	0.83	0.45	0
298171	MC	0.70	0.45	0
298250	OR	0.78	0.66	0
298255	SA	0.40	0.33	1
298256	MC	0.58	0.48	0
298264	MC	0.86	0.39	0
298287	OR	0.68	0.68	0
299672	SA	0.85	0.52	0
299674	MC	0.52	0.12	0
299676	MC	0.69	0.41	0

**Table E-12. 2013 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 7**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
205235	MC	0.73	0.50	0
205420	SA	0.55	0.56	1
205493	MC	0.77	0.54	0
208381	MC	0.88	0.44	0
208391	MC	0.64	0.45	0
208663	MC	0.38	0.22	0
219425	MC	0.71	0.47	1
219511	SA	0.86	0.45	0
219523	MC	0.68	0.28	0
219536	SA	0.76	0.48	0
228035	MC	0.90	0.40	0
228042	OR	0.49	0.69	2
228056	MC	0.84	0.56	0
228088	MC	0.70	0.48	0
249122	MC	0.89	0.45	0
249215	MC	0.78	0.44	1
249216	MC	0.63	0.50	0
250204	MC	0.67	0.45	0
250243	MC	0.87	0.36	0
250260	MC	0.74	0.34	0
250347	MC	0.46	0.46	0
259275	MC	0.64	0.39	0
259293	OR	0.56	0.78	1
261081	OR	0.73	0.73	0
272445	MC	0.43	0.51	0
272452	MC	0.52	0.38	0
272464	MC	0.74	0.47	0
272713	MC	0.81	0.42	0
272768	MC	0.70	0.53	1
281679	MC	0.43	0.40	0
281696	SA	0.85	0.50	1
288412	MC	0.63	0.48	0
295742	SA	0.53	0.48	0
295743	MC	0.84	0.43	0
295746	MC	0.57	0.44	0
295751	MC	0.44	0.51	0
298185	OR	0.63	0.65	0
298188	MC	0.80	0.39	0
298193	SA	0.88	0.49	1
298210	MC	0.55	0.51	1
298221	MC	0.61	0.32	0
298222	MC	0.73	0.47	0

**Table E-13. 2013 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 8**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
219587	MC	0.80	0.50	0
219701	SA	0.63	0.57	1
226946	MC	0.49	0.44	1
228175	OR	0.56	0.67	3
228313	MC	0.84	0.43	0
253752	MC	0.88	0.20	0
253754	MC	0.44	0.45	0
253767	MC	0.73	0.40	0
253770	MC	0.85	0.46	0
260370	MC	0.72	0.47	0
263841	MC	0.70	0.52	0
264721	MC	0.54	0.43	0
264787	MC	0.74	0.35	0
264788	MC	0.93	0.19	0
265348	SA	0.75	0.55	1
265920	MC	0.65	0.37	0
283255	MC	0.78	0.48	0
283277	MC	0.85	0.45	0
284769	OR	0.67	0.68	0
284908	MC	0.80	0.50	0
287512	MC	0.62	0.40	0
287601	MC	0.66	0.36	0
296114	SA	0.75	0.41	1
296749	MC	0.58	0.47	1
296752	MC	0.44	0.29	0
297511	MC	0.53	0.46	0
297513	MC	0.84	0.48	0
297645	OR	0.44	0.66	1
297647	MC	0.45	0.32	0
297649	MC	0.78	0.33	0
297650	MC	0.39	0.31	0
297651	SA	0.58	0.50	2
297657	MC	0.63	0.58	1
297664	SA	0.50	0.64	1
298045	MC	0.89	0.37	0
298054	OR	0.46	0.63	1
298197	MC	0.90	0.36	0
298201	MC	0.70	0.40	0
299548	MC	0.78	0.48	0
299554	SA	0.80	0.53	1
299575	MC	0.74	0.55	0
304571	MC	0.83	0.48	0

**Table E-14. 2013 MCAS: Item-Level Classical Test Theory Statistics –
Mathematics – Grade 10**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
253197	MC	0.53	0.42	0
254560	SA	0.60	0.54	1
261532	MC	0.68	0.48	0
273329	MC	0.78	0.42	0
278554	MC	0.76	0.34	0
279246	MC	0.74	0.49	0
279302	SA	0.74	0.56	1
281587	MC	0.68	0.41	0
281729	MC	0.77	0.36	0
282172	MC	0.58	0.45	0
288045	OR	0.72	0.77	1
288069	MC	0.86	0.40	0
288090	OR	0.74	0.68	0
288121	MC	0.70	0.48	0
292914	MC	0.74	0.53	0
293168	MC	0.63	0.39	0
293986	MC	0.86	0.37	0
294006	MC	0.69	0.39	0
294020	MC	0.68	0.39	0
294025	SA	0.78	0.53	2
294026	SA	0.47	0.39	0
294030	OR	0.50	0.72	1
294139	MC	0.72	0.43	0
294177	MC	0.47	0.38	0
294180	MC	0.49	0.21	0
294293	MC	0.74	0.37	0
294298	MC	0.70	0.42	0
294312	MC	0.73	0.44	0
294335	OR	0.53	0.66	2
294492	MC	0.87	0.47	0
294505	MC	0.82	0.47	0
294626	MC	0.82	0.42	0
294637	MC	0.79	0.49	0
294645	MC	0.77	0.49	0
294667	MC	0.55	0.17	0
294682	MC	0.61	0.39	0
296368	OR	0.59	0.75	2
296369	OR	0.77	0.65	1
299933	MC	0.76	0.43	0
299936	MC	0.48	0.39	0
299946	MC	0.53	0.33	0
299949	MC	0.35	0.18	0

**Table E-15. 2013 MCAS: Item-Level Classical Test Theory Statistics –
STE – Grade 5**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
227848	MC	0.60	0.47	0
229048	MC	0.83	0.27	0
229219	MC	0.89	0.29	0
229326	MC	0.92	0.20	1
245343	MC	0.90	0.34	0
273711	MC	0.86	0.32	0
273721	MC	0.77	0.32	0
273757	MC	0.89	0.33	0
273767	MC	0.73	0.36	0
273773	OR	0.63	0.60	0
273777	MC	0.70	0.26	0
281840	MC	0.85	0.27	0
281855	MC	0.49	0.39	0
281872	MC	0.68	0.40	0
281879	MC	0.62	0.24	0
281880	MC	0.44	0.33	0
288149	MC	0.89	0.27	0
288159	OR	0.42	0.53	0
288209	MC	0.59	0.23	0
288213	MC	0.69	0.30	0
288853	OR	0.48	0.61	0
289424	MC	0.87	0.31	0
289442	MC	0.54	0.33	0
289471	MC	0.78	0.35	0
289489	MC	0.67	0.42	0
289664	MC	0.54	0.33	0
289673	MC	0.72	0.43	0
291050	MC	0.67	0.48	0
291147	MC	0.62	0.21	0
291164	MC	0.48	0.34	0
291214	MC	0.91	0.40	0
291218	MC	0.68	0.39	0
291258	MC	0.82	0.28	0
291363	MC	0.93	0.30	0
291383	MC	0.86	0.24	0
291420	MC	0.71	0.36	0
291642	OR	0.52	0.54	0
304794	MC	0.69	0.46	0
304795	MC	0.69	0.32	0
304796	MC	0.71	0.38	0
304797	MC	0.79	0.42	0
304798	MC	0.84	0.38	0

**Table E-16. 2013 MCAS: Item-Level Classical Test Theory Statistics –
STE – Grade 8**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
229349	MC	0.77	0.42	0
229385	MC	0.86	0.40	0
229440	MC	0.67	0.45	0
246315	MC	0.84	0.43	0
246328	MC	0.71	0.45	0
246351	MC	0.51	0.39	0
265243	MC	0.89	0.42	0
265247	MC	0.50	0.38	0
265287	MC	0.63	0.23	0
273917	MC	0.72	0.43	0
273946	MC	0.89	0.32	0
273950	MC	0.67	0.41	0
273957	MC	0.92	0.34	0
273986	OR	0.38	0.61	1
273991	MC	0.78	0.34	0
281945	MC	0.85	0.31	0
282011	MC	0.86	0.24	0
282028	MC	0.80	0.42	0
282030	MC	0.88	0.42	0
282052	MC	0.69	0.38	0
282053	MC	0.57	0.40	0
282059	OR	0.51	0.54	1
282063	MC	0.74	0.50	0
288296	MC	0.56	0.39	0
288332	MC	0.52	0.43	0
288334	MC	0.73	0.37	0
288341	MC	0.46	0.35	0
288345	MC	0.66	0.46	0
289589	MC	0.49	0.17	0
289702	MC	0.52	0.35	0
289772	MC	0.36	0.36	0
290289	MC	0.54	0.34	0
290950	MC	0.84	0.42	0
291764	MC	0.47	0.34	0
291843	MC	0.44	0.16	0
291859	MC	0.71	0.34	0
291945	MC	0.90	0.39	0
292022	OR	0.58	0.58	1
299004	OR	0.55	0.60	1
304799	MC	0.57	0.33	0
304800	MC	0.75	0.39	0
304801	MC	0.56	0.30	0

Table E-17. 2013 MCAS: Item-Level Classical Test Theory Statistics – High School Biology

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
222094	MC	0.79	0.46	0
234812	MC	0.74	0.44	0
235185	MC	0.77	0.38	0
242937	MC	0.73	0.37	0
243374	MC	0.82	0.25	0
243456	MC	0.93	0.32	0
267507	MC	0.62	0.33	0
273463	MC	0.68	0.38	0
273469	MC	0.77	0.49	0
273525	MC	0.68	0.52	0
275472	MC	0.71	0.50	0
275480	MC	0.66	0.40	0
275511	MC	0.83	0.42	0
276503	MC	0.66	0.49	0
276736	MC	0.65	0.37	0
279797	MC	0.79	0.41	0
281160	MC	0.67	0.41	0
281170	MC	0.78	0.31	0
283037	MC	0.57	0.23	0
289132	OR	0.51	0.71	2
289226	MC	0.64	0.32	0
290002	MC	0.65	0.44	0
290004	MC	0.59	0.32	0
290005	MC	0.63	0.57	0
290007	MC	0.55	0.43	0
290009	OR	0.53	0.73	1
290933	MC	0.58	0.37	0
290967	MC	0.56	0.37	0
290984	MC	0.78	0.52	0
293193	MC	0.71	0.35	0
294798	OR	0.61	0.75	2
294825	MC	0.93	0.32	0
295292	MC	0.75	0.43	0
295297	MC	0.79	0.36	0
295308	OR	0.66	0.71	1
296645	MC	0.84	0.39	0
296657	MC	0.91	0.44	0
296664	MC	0.82	0.35	0
296683	MC	0.89	0.49	0
296714	MC	0.65	0.31	0
296766	MC	0.80	0.34	0
296790	MC	0.87	0.47	0
296800	MC	0.79	0.29	0
296805	OR	0.33	0.60	2
299072	MC	0.76	0.38	0

**Table E-18. 2013 MCAS: Item-Level Classical Test Theory Statistics –
High School Chemistry**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
216954	MC	0.71	0.48	0
226997	MC	0.70	0.39	0
229548	MC	0.81	0.45	0
229556	MC	0.94	0.30	0
244815	MC	0.73	0.39	0
244829	MC	0.61	0.31	0
252565	MC	0.91	0.33	0
252651	MC	0.88	0.35	0
252675	MC	0.86	0.45	0
258906	MC	0.63	0.42	1
260794	OR	0.43	0.64	1
260916	MC	0.61	0.35	0
260920	MC	0.61	0.37	0
261188	MC	0.73	0.26	0
261464	MC	0.61	0.30	0
261469	MC	0.68	0.27	0
264320	MC	0.59	0.30	0
264326	MC	0.80	0.52	0
272994	OR	0.47	0.57	1
273012	MC	0.76	0.29	0
273070	OR	0.61	0.69	2
273186	MC	0.82	0.45	0
273221	MC	0.83	0.36	
274045	OR	0.63	0.60	1
274049	MC	0.63	0.41	0
274067	MC	0.83	0.47	
275910	MC	0.64	0.49	0
280897	MC	0.86	0.44	0
281214	MC	0.59	0.50	
281218	MC	0.85	0.39	0
281263	MC	0.72	0.39	
281282	MC	0.70	0.34	0
281317	MC	0.81	0.39	0
281323	MC	0.86	0.47	0
281919	MC	0.68	0.46	1
287272	MC	0.77	0.46	0
287275	MC	0.92	0.46	0
287563	MC	0.89	0.49	0
287594	MC	0.69	0.49	0
288269	MC	0.56	0.36	0
294699	MC	0.71	0.50	0
294713	MC	0.48	0.39	0
294716	OR	0.42	0.71	1
298323	MC	0.91	0.44	0
298325	MC	0.83	0.48	0

**Table E-19. 2013 MCAS: Item-Level Classical Test Theory Statistics –
High School Introductory Physics**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
208336	MC	0.69	0.42	1
208382	MC	0.69	0.44	0
208387	MC	0.66	0.48	0
235239	MC	0.69	0.47	0
246873	MC	0.59	0.41	0
246878	MC	0.55	0.35	0
272734	MC	0.65	0.44	0
272796	MC	0.71	0.49	0
280765	MC	0.59	0.26	0
280801	MC	0.77	0.33	0
280841	MC	0.71	0.40	0
280854	MC	0.65	0.28	0
280936	MC	0.70	0.28	0
280938	MC	0.69	0.34	0
280946	MC	0.42	0.32	0
280977	OR	0.43	0.77	2
287041	MC	0.67	0.27	0
287056	MC	0.64	0.30	0
287066	OR	0.48	0.75	3
287202	MC	0.61	0.18	0
287205	MC	0.62	0.33	0
287220	MC	0.71	0.41	0
287222	MC	0.62	0.30	0
287230	MC	0.57	0.42	0
287322	MC	0.59	0.34	0
287323	MC	0.81	0.43	0
287326	MC	0.79	0.47	0
287330	OR	0.59	0.74	2
287350	MC	0.83	0.43	0
287357	MC	0.70	0.34	0
287358	OR	0.42	0.74	3
287387	MC	0.83	0.42	0
287397	MC	0.75	0.35	0
288366	MC	0.80	0.48	0
288396	MC	0.85	0.39	0
293882	MC	0.76	0.39	0
293893	MC	0.69	0.22	0
293935	MC	0.66	0.36	0
293952	MC	0.78	0.39	0
295851	MC	0.78	0.43	0
295860	MC	0.82	0.37	0
295871	OR	0.35	0.73	4
295881	MC	0.78	0.26	0
295924	MC	0.62	0.39	0
297421	MC	0.66	0.39	0

**Table E-20. 2013 MCAS: Item-Level Classical Test Theory Statistics –
High School Technology/Engineering**

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
<i>Number</i>	<i>Type</i>			
215942	MC	0.74	0.27	
230788	MC	0.86	0.39	0
230878	MC	0.52	0.32	0
240039	MC	0.53	0.29	0
251770	MC	0.56	0.51	0
260817	OR	0.35	0.55	4
264191	MC	0.80	0.30	0
265035	MC	0.60	0.38	1
265055	MC	0.63	0.28	0
265122	MC	0.75	0.48	0
265155	MC	0.72	0.49	0
267206	MC	0.54	0.38	0
268441	OR	0.39	0.60	1
271567	MC	0.50	0.26	0
273093	MC	0.67	0.37	0
273138	MC	0.56	0.51	0
273153	MC	0.68	0.43	0
274572	MC	0.74	0.27	
274577	MC	0.69	0.28	0
274622	OR	0.34	0.54	2
281107	MC	0.72	0.28	0
281364	MC	0.68	0.43	0
281428	MC	0.49	0.15	0
283362	MC	0.49	0.39	0
283383	MC	0.88	0.43	0
283405	MC	0.48	0.34	0
283453	MC	0.75	0.33	0
287792	MC	0.70	0.44	0
287803	MC	0.57	0.34	0
287810	MC	0.78	0.41	0
287844	MC	0.77	0.36	0
287845	MC	0.66	0.49	0
289903	MC	0.80	0.23	0
289914	MC	0.63	0.36	0
289918	MC	0.73	0.48	0
289938	MC	0.66	0.43	0
292770	MC	0.70	0.37	0
293179	MC	0.84	0.37	0
294384	MC	0.78	0.47	0
294424	OR	0.66	0.51	0
296433	MC	0.36	0.15	0
296469	MC	0.56	0.37	1
296472	OR	0.38	0.66	2
297429	MC	0.83	0.32	0
299110	MC	0.61	0.25	0

Table E-21. 2013 MCAS-Alt: Item-Level Classical Test Theory Statistics – ELA

Grade	Item		Difficulty	Discrimination
	Number	Type		
3	comp1	OR	0.60	0.46
	comp2	OR	0.59	0.50
	comp3	OR		
	ind1	OR	0.97	0.69
	ind2	OR	0.97	0.70
	ind3	OR		
	sk1	OR	0.98	0.62
	sk2	OR	0.98	0.56
	sk3	OR		
4	comp1	OR	0.60	0.24
	comp2	OR	0.60	0.28
	comp3	OR	0.60	0.26
	ind1	OR	0.98	0.41
	ind2	OR	0.97	0.47
	ind3	OR	0.97	0.42
	sk1	OR	0.98	0.41
	sk2	OR	0.98	0.43
	sk3	OR	0.98	0.37
5	comp1	OR	0.59	0.55
	comp2	OR	0.59	0.55
	ind1	OR	0.98	0.68
	ind2	OR	0.97	0.75
	sk1	OR	0.98	0.65
	sk2	OR	0.98	0.57
6	comp1	OR	0.59	0.64
	comp2	OR	0.59	0.64
	ind1	OR	0.98	0.67
	ind2	OR	0.97	0.72
	sk1	OR	0.98	0.64
	sk2	OR	0.98	0.60
7	comp1	OR	0.60	0.37
	comp2	OR	0.59	0.32
	comp3	OR	0.59	0.38
	ind1	OR	0.97	0.48
	ind2	OR	0.97	0.51
	ind3	OR	0.97	0.44
	sk1	OR	0.98	0.42
	sk2	OR	0.98	0.47
	sk3	OR	0.98	0.43
8	comp1	OR	0.59	0.61
	comp2	OR	0.59	0.59
	ind1	OR	0.97	0.76
	ind2	OR	0.96	0.69
	sk1	OR	0.98	0.63
	sk2	OR	0.98	0.61
10	comp1	OR	0.59	0.23
	comp2	OR	0.59	0.28

continued

Grade	Item		Difficulty	Discrimination
	Number	Type		
10	comp3	OR	0.59	0.31
	ind1	OR	0.96	0.48
	ind2	OR	0.96	0.41
	ind3	OR	0.95	0.51
	sk1	OR	0.97	0.40
	sk2	OR	0.97	0.39
	sk3	OR	0.97	0.40

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

Table E-22. 2013 MCAS-Alt: Item-Level Classical Test Theory Statistics – Mathematics

Grade	Item		Difficulty	Discrimination
	Number	Type		
3	comp1	OR	0.59	0.58
	comp5	OR	0.59	0.59
	ind1	OR	0.97	0.75
	ind5	OR	0.97	0.77
	sk1	OR	0.98	0.61
	sk5	OR	0.98	0.61
4	comp1	OR	0.60	0.49
	comp3	OR	0.60	0.50
	ind1	OR	0.97	0.74
	ind3	OR	0.97	0.73
	sk1	OR	0.98	0.60
	sk3	OR	0.98	0.59
5	comp2	OR	0.59	0.56
	comp3	OR	0.59	0.57
	ind2	OR	0.97	0.72
	ind3	OR	0.97	0.73
	sk2	OR	0.98	0.57
	sk3	OR	0.98	0.58
6	comp1	OR	0.59	0.59
	comp2	OR	0.59	0.59
	comp3	OR		
	comp4	OR		
	ind1	OR	0.96	0.73
	ind2	OR	0.97	0.70
	ind3	OR		
	ind4	OR		
	sk1	OR	0.98	0.62
	sk2	OR	0.98	0.56
7	comp1	OR	0.59	0.65
	comp2	OR		
	comp4	OR	0.59	0.62
	ind1	OR	0.97	0.71

continued

Grade	Item		Difficulty	Discrimination
	Number	Type		
7	ind2	OR		
	ind4	OR	0.97	0.66
	sk1	OR	0.98	0.66
	sk2	OR		
	sk4	OR	0.98	0.63
8	comp2	OR	0.59	0.62
	comp3	OR		
	comp4	OR	0.59	0.63
	ind2	OR	0.96	0.72
	ind3	OR		
	ind4	OR	0.97	0.68
	sk2	OR	0.98	0.60
	sk3	OR		
	sk4	OR	0.98	0.58
10	comp1	OR	0.59	0.28
	comp2	OR	0.60	0.29
	comp3	OR	0.59	0.36
	comp4	OR	0.60	0.33
	comp5	OR	0.60	0.34
	ind1	OR	0.96	0.37
	ind2	OR	0.95	0.49
	ind3	OR	0.96	0.46
	ind4	OR	0.95	0.42
	ind5	OR	0.96	0.53
	sk1	OR	0.97	0.30
	sk2	OR	0.97	0.26
	sk3	OR	0.97	0.31
	sk4	OR	0.96	0.37
	sk5	OR	0.98	0.35

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

Table E-23. 2013 MCAS: Item-Level Classical Test Theory Statistics – STE

Grade	Item		Difficulty	Discrimination
	Number	Type		
5	comp1	OR	0.59	0.33
	comp2	OR	0.59	0.29
	comp3	OR	0.59	0.38
	comp4	OR	0.59	0.36
	ind1	OR	0.97	0.44
	ind2	OR	0.97	0.42
	ind3	OR	0.97	0.41
	ind4	OR	0.98	0.47
	sk1	OR	0.98	0.39
	sk2	OR	0.98	0.44
	sk3	OR	0.98	0.42
	sk4	OR	0.99	0.21

continued

Grade	Item		Difficulty	Discrimination
	Number	Type		
8	comp1	OR	0.59	0.26
	comp2	OR	0.59	0.27
	comp3	OR	0.59	0.26
	comp4	OR	0.59	0.25
	ind1	OR	0.97	0.37
	ind2	OR	0.98	0.46
	ind3	OR	0.97	0.37
	ind4	OR	0.97	0.40
	sk1	OR	0.98	0.33
	sk2	OR	0.98	0.39
	sk3	OR	0.99	0.29
	sk4	OR	0.98	0.33

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

Table E-24. 2013 MCAS: Item-Level Classical Test Theory Statistics – High School Biology

Item	Type	Difficulty	Discrimination
comp1	OR	0.60	0.25
comp2	OR	0.60	0.24
comp3	OR	0.60	0.28
comp4	OR		
ind1	OR	0.97	0.45
ind2	OR	0.96	0.40
ind3	OR	0.96	0.40
ind4	OR		
sk1	OR	0.97	0.36
sk2	OR	0.97	0.29
sk3	OR	0.97	0.29
sk4	OR		

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

Table E-25. 2013 MCAS: Item-Level Classical Test Theory Statistics – High School Chemistry

Item	Type	Difficulty	Discrimination
comp1	OR	0.60	
comp2	OR	0.60	
comp3	OR	0.60	
ind1	OR	0.97	0.53
ind2	OR	0.96	0.40
ind3	OR	0.95	0.54
sk1	OR	0.96	0.64

continued

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>
<i>Number</i>	<i>Type</i>		
sk2	OR	0.98	0.54
sk3	OR	0.97	0.50

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

Table E-26. 2013 MCAS: Item-Level Classical Test Theory Statistics – High School Introductory Physics

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>
<i>Number</i>	<i>Type</i>		
comp1	OR	0.64	0.65
comp2	OR	0.64	0.65
comp3	OR	0.64	0.65
comp4	OR		
ind1	OR	0.97	0.37
ind2	OR	0.97	0.46
ind3	OR	0.97	0.30
ind4	OR		
sk1	OR	0.96	0.50
sk2	OR	0.99	0.06
sk3	OR	0.96	0.48
sk4	OR		

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

Table E-27. 2013 MCAS: Item-Level Classical Test Theory Statistics – High School Technology/Engineering

<i>Item</i>		<i>Difficulty</i>	<i>Discrimination</i>
<i>Number</i>	<i>Type</i>		
comp1	OR	0.58	0.36
comp2	OR	0.58	0.36
comp3	OR	0.58	0.17
ind1	OR	0.93	0.68
ind2	OR	0.91	0.81
ind3	OR	0.92	0.70
sk1	OR	0.94	0.69
sk2	OR	0.97	0.51
sk3	OR	0.97	0.42

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