

# **Appendix E**

## **ITEM-LEVEL CLASSICAL STATISTICS**

**Table E-1. 2010 MCAS: Item-Level Classical Test Theory Statistics – English Language Arts Grade 3**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
269970	MC	0.86	0.32	0
269971	MC	0.77	0.45	0
269977	MC	0.82	0.37	0
269978	MC	0.77	0.44	0
269991	MC	0.78	0.48	0
269997	MC	0.78	0.48	0
270003	MC	0.64	0.38	0
270025	MC	0.75	0.40	0
270033	MC	0.80	0.42	0
270039	OR	0.37	0.52	0
270049	MC	0.95	0.42	0
270053	MC	0.81	0.50	0
270057	MC	0.90	0.45	0
270089	MC	0.90	0.41	0
270091	MC	0.79	0.43	0
270092	MC	0.90	0.41	0
270147	MC	0.72	0.39	0
270149	MC	0.86	0.51	0
270156	MC	0.91	0.37	0
270166	MC	0.86	0.40	0
270168	MC	0.85	0.49	0
270176	MC	0.69	0.43	0
270185	MC	0.79	0.34	1
270191	MC	0.84	0.44	1
270198	MC	0.75	0.42	0
270201	MC	0.84	0.37	0
272193	MC	0.83	0.37	0
276819	MC	0.43	0.34	0
276825	MC	0.78	0.44	0
276829	MC	0.76	0.45	1
276831	MC	0.83	0.49	0
276837	MC	0.69	0.47	0
276868	MC	0.85	0.41	0
276876	MC	0.75	0.40	0
276879	MC	0.76	0.42	0
276884	MC	0.91	0.40	0
279400	MC	0.76	0.29	0
282176A	OR	0.68	0.43	0
282177B	OR	0.57	0.42	0
282191	OR	0.67	0.24	0
282210	OR	0.59	0.47	0

**Table E-2. 2010 MCAS: Item-Level Classical Test Theory Statistics – English Language Arts Grade 4**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
255565	MC	0.78	0.38	0
255567	MC	0.66	0.37	0
255583	MC	0.72	0.47	0
255585	MC	0.71	0.20	0
255586	MC	0.90	0.47	0
255592	MC	0.54	0.39	1
255596	MC	0.81	0.30	0
255608	MC	0.92	0.40	1
255612	MC	0.73	0.40	0
255619	MC	0.85	0.46	1
255620	OR	0.43	0.61	0
256039	MC	0.73	0.47	0
256040	MC	0.88	0.38	0
256042	MC	0.69	0.39	0
256044	MC	0.81	0.31	0
256045	MC	0.84	0.50	0
256050	MC	0.70	0.48	0
256052	MC	0.76	0.38	0
256056	MC	0.74	0.42	0
256066	MC	0.90	0.32	0
256068	MC	0.64	0.48	1
256089	OR	0.51	0.59	0
260416	MC	0.79	0.24	1
260421	MC	0.67	0.35	1
260423	MC	0.75	0.42	2
260425	MC	0.75	0.37	1
260429	MC	0.88	0.38	1
268943	MC	0.69	0.38	0
268948	MC	0.86	0.45	1
268949	MC	0.83	0.38	1
268951	MC	0.70	0.45	1
268952	MC	0.80	0.32	1
268954	OR	0.47	0.62	0
277063	MC	0.80	0.41	0
277072	MC	0.88	0.43	0
277077	MC	0.90	0.33	0
277081	MC	0.77	0.41	0
277083	MC	0.88	0.39	0
277086	MC	0.82	0.41	0
277105	OR	0.57	0.51	0
281622C	WR	0.84	0.65	0
281622T	WR	0.59	0.62	0

**Table E-3. 2010 MCAS: Item-Level Classical Test Theory Statistics – English Language Arts Grade 5**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
270131	MC	0.89	0.35	0
270139	MC	0.84	0.45	0
270145	MC	0.65	0.34	0
270153	MC	0.80	0.51	0
270157	MC	0.87	0.40	0
270163	MC	0.66	0.41	0
270178	MC	0.90	0.43	0
270193	MC	0.75	0.29	0
270206	OR	0.55	0.49	0
270987	MC	0.69	0.43	0
270988	MC	0.67	0.46	0
270991	MC	0.85	0.41	0
270992	MC	0.81	0.39	0
270993	MC	0.80	0.43	0
270998	OR	0.49	0.52	0
276049	MC	0.84	0.48	0
276051	MC	0.84	0.44	0
276119	MC	0.65	0.41	0
276120	MC	0.90	0.47	0
276124	MC	0.93	0.38	0
276125	MC	0.92	0.41	0
276127	MC	0.84	0.37	0
276128	MC	0.67	0.39	0
276129	OR	0.51	0.62	0
276319	MC	0.88	0.35	0
276325	MC	0.80	0.42	0
276334	MC	0.65	0.41	0
276341	MC	0.79	0.46	0
276348	OR	0.59	0.50	0
280141	MC	0.80	0.46	1
280143	MC	0.73	0.39	1
280144	MC	0.83	0.36	1
280145	MC	0.63	0.48	1
280149	MC	0.66	0.44	1
280150	MC	0.81	0.48	1
287624	MC	0.84	0.30	0
287625	MC	0.87	0.30	0
287626	MC	0.76	0.42	0
287627	MC	0.55	0.38	0
287628	MC	0.80	0.33	0

**Table E-4. 2010 MCAS: Item-Level Classical Test Theory Statistics – English Language Arts Grade 6**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
257288	MC	0.85	0.45	0
257294	MC	0.91	0.43	0
257298	MC	0.77	0.39	0
257301	MC	0.94	0.35	0
257304	MC	0.82	0.48	0
257308	MC	0.72	0.35	0
257309	MC	0.89	0.39	0
257311	MC	0.73	0.33	0
257314	OR	0.58	0.53	0
257665	MC	0.92	0.28	0
257668	MC	0.77	0.36	0
257669	MC	0.85	0.33	0
257676	MC	0.70	0.39	0
257680	MC	0.89	0.41	0
257686	MC	0.78	0.32	0
257689	OR	0.59	0.55	0
271523	MC	0.85	0.39	0
271525	MC	0.73	0.47	0
271529	MC	0.74	0.55	1
271530	MC	0.56	0.39	0
271537	MC	0.65	0.40	1
271539	OR	0.53	0.62	0
277119	MC	0.78	0.37	0
277121	MC	0.74	0.43	0
277124	MC	0.89	0.36	0
277127	MC	0.84	0.39	0
277133	MC	0.68	0.33	0
277138	MC	0.74	0.33	0
277142	MC	0.88	0.39	0
277144	MC	0.88	0.40	0
277147	MC	0.65	0.22	0
277155	MC	0.55	0.28	0
277172	OR	0.51	0.56	0
280348	MC	0.61	0.38	1
280351	MC	0.63	0.28	1
280359	MC	0.86	0.41	1
280360	MC	0.68	0.36	1
287621	MC	0.66	0.43	0
287622	MC	0.87	0.48	0
287623	MC	0.81	0.43	1

**Table E-5. 2010 MCAS: Item-Level Classical Test Theory Statistics – English Language Arts Grade 7**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
266553	MC	0.75	0.41	2
266557	MC	0.86	0.43	2
266558	MC	0.82	0.39	2
266565	MC	0.73	0.31	2
266568	MC	0.77	0.31	2
271294	MC	0.71	0.47	0
271296	MC	0.73	0.42	0
271298	MC	0.92	0.30	0
271300	MC	0.80	0.46	0
271302	MC	0.78	0.44	0
271304	MC	0.84	0.41	0
271307	MC	0.89	0.45	0
271309	MC	0.63	0.36	0
271310	MC	0.81	0.38	0
271315	OR	0.59	0.61	0
276608	MC	0.64	0.41	0
276614	MC	0.75	0.36	0
276615	MC	0.78	0.46	0
276619	MC	0.58	0.33	1
276626	MC	0.66	0.46	1
276637	OR	0.51	0.64	1
279203	MC	0.61	0.40	0
279206	MC	0.94	0.34	0
279211	MC	0.69	0.32	0
279213	MC	0.86	0.38	0
279215	MC	0.74	0.44	0
279217	MC	0.81	0.36	0
279219	MC	0.55	0.37	0
279229	OR	0.63	0.60	0
280268	MC	0.88	0.42	0
280270	MC	0.80	0.35	0
280271	MC	0.73	0.32	0
280272	MC	0.89	0.46	0
280275	MC	0.78	0.47	0
280277	MC	0.86	0.50	0
280279	MC	0.89	0.39	0
280280	MC	0.81	0.45	0
280281	MC	0.60	0.34	0
280287	MC	0.89	0.40	0
280290	OR	0.61	0.67	0
281244C	WR	0.83	0.67	0
281244T	WR	0.59	0.63	0

**Table E-6. 2010 MCAS: Item-Level Classical Test Theory Statistics –  
English Language Arts Grade 8**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
266360	MC	0.76	0.38	2
266364	MC	0.90	0.45	2
266368	MC	0.82	0.45	2
266373	MC	0.84	0.44	2
266375	MC	0.86	0.44	2
271323	MC	0.73	0.50	0
271328	MC	0.70	0.43	0
271330	MC	0.68	0.46	0
271334	MC	0.66	0.30	0
271345	MC	0.68	0.46	0
271604	MC	0.83	0.50	0
271606	MC	0.65	0.49	0
271609	MC	0.62	0.39	0
271610	MC	0.76	0.46	0
271611	MC	0.81	0.41	0
271618	MC	0.73	0.41	0
271621	OR	0.65	0.63	0
272837	OR	0.56	0.59	1
275961	MC	0.81	0.38	0
275968	MC	0.84	0.31	0
275974	MC	0.74	0.37	0
275976	MC	0.71	0.40	0
275978	MC	0.85	0.49	0
275980	MC	0.81	0.41	0
275981	MC	0.80	0.38	0
275983	MC	0.87	0.44	0
275995	MC	0.72	0.46	0
276022	OR	0.60	0.60	0
276054	MC	0.92	0.37	0
276055	MC	0.87	0.38	0
276057	MC	0.62	0.39	0
276060	MC	0.82	0.34	0
276080	MC	0.77	0.41	0
276082	MC	0.83	0.33	0
276085	MC	0.90	0.37	0
276087	MC	0.87	0.35	0
276094	MC	0.74	0.29	0
276103	MC	0.87	0.43	0
276107	OR	0.69	0.64	0
276464	MC	0.73	0.42	0

**Table E-7. 2010 MCAS: Item-Level Classical Test Theory Statistics –  
English Language Arts Grade 10**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
253864	MC	0.69	0.39	0
253865	MC	0.74	0.23	0
253867	MC	0.63	0.24	0
254365	MC	0.73	0.33	0
268739	MC	0.73	0.31	0
268740	MC	0.86	0.29	0
268741	MC	0.72	0.25	0
268743	MC	0.79	0.42	0
268746	MC	0.82	0.45	0
268751	MC	0.73	0.50	0
268757	MC	0.77	0.32	0
268763	OR	0.62	0.68	0
276588	MC	0.85	0.41	0
276594	MC	0.82	0.42	0
276599	MC	0.76	0.37	0
276600	MC	0.81	0.41	0
279381	MC	0.86	0.31	0
279386	MC	0.72	0.42	0
279390	MC	0.75	0.38	0
279391	MC	0.87	0.37	0
279394	OR	0.55	0.64	1
279553	MC	0.90	0.35	0
279554	MC	0.88	0.44	0
279558	MC	0.83	0.44	0
279560	MC	0.71	0.35	0
279561	MC	0.92	0.37	0
279562	MC	0.91	0.42	0
279565	MC	0.72	0.18	0
279566	MC	0.65	0.43	0
279567	OR	0.63	0.65	1
280204	MC	0.94	0.29	0
280206	MC	0.93	0.35	0
280207	MC	0.84	0.48	0
280216	MC	0.82	0.21	0
280221	MC	0.67	0.34	0
280224	MC	0.83	0.48	0
280228	MC	0.77	0.25	0
280233	MC	0.67	0.44	0
280239	OR	0.67	0.66	0
281763C	WR	0.85	0.69	0
281763T	WR	0.59	0.64	0
288960	MC	0.76	0.43	0



**Table E-8. 2010 MCAS: Item-Level Classical Test Theory Statistics – Mathematics Grade 3**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
202985	MC	0.73	0.41	0
202994	MC	0.80	0.37	0
203002	MC	0.83	0.38	0
203481	MC	0.93	0.36	0
206961	MC	0.86	0.39	1
207152	MC	0.83	0.49	1
218441	MC	0.89	0.40	0
218508	MC	0.63	0.45	0
225833	MC	0.78	0.40	0
227285	MC	0.71	0.49	0
227289	SA	0.74	0.45	0
252332	MC	0.81	0.39	0
252964	MC	0.84	0.36	0
252969	SA	0.65	0.24	0
252980	SA	0.39	0.47	0
253569	MC	0.81	0.53	0
253644	MC	0.63	0.44	0
253701	MC	0.82	0.32	0
253730	OR	0.68	0.59	0
260547	MC	0.80	0.46	1
260976	MC	0.70	0.35	0
260977	MC	0.78	0.29	0
260987	SA	0.82	0.38	0
261012	MC	0.75	0.47	0
261029	OR	0.74	0.53	0
261853	OR	0.68	0.55	0
263132	SA	0.69	0.47	0
264565	MC	0.69	0.53	0
273265	SA	0.74	0.54	0
281096	MC	0.54	0.45	0
281099	MC	0.91	0.30	0
281103	MC	0.70	0.36	0
281207	MC	0.83	0.40	0
281211	MC	0.63	0.44	1
287945	MC	0.69	0.44	0
287946	OR	0.68	0.45	0

**Table E-9. 2010 MCAS: Item-Level Classical Test Theory Statistics – Mathematics Grade 4**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
218874	MC	0.90	0.37	0
218902	MC	0.68	0.42	1
218910	MC	0.70	0.44	0
218948	MC	0.70	0.41	0
218990	MC	0.94	0.35	0
219077	SA	0.74	0.36	0
221875	MC	0.69	0.29	0
221969	MC	0.75	0.35	0
222019	MC	0.85	0.34	0
227380	MC	0.78	0.42	0
227496	SA	0.79	0.40	0
227577	MC	0.72	0.33	0
227590	MC	0.79	0.47	1
227873	SA	0.59	0.46	0
247515	MC	0.77	0.46	0
247526	MC	0.69	0.32	0
247582	MC	0.75	0.34	0
247705	MC	0.74	0.40	0
250374	MC	0.64	0.47	0
250382	OR	0.64	0.64	0
250515	MC	0.82	0.35	0
250538	SA	0.50	0.43	0
258178	MC	0.67	0.40	0
258198	MC	0.69	0.41	0
258200	MC	0.68	0.26	0
258214	MC	0.63	0.40	1
258220	MC	0.83	0.43	0
258223	OR	0.71	0.65	0
258226	MC	0.82	0.31	0
258229	SA	0.65	0.44	0
258233	MC	0.73	0.49	0
258251	MC	0.82	0.30	0
258261	OR	0.56	0.61	0
258281	MC	0.71	0.40	0
258294	MC	0.78	0.48	0
258297	MC	0.43	0.43	1
258303	OR	0.51	0.52	0
270620	MC	0.83	0.35	0
272125	MC	0.85	0.40	0
272162	MC	0.56	0.35	0
272240	MC	0.82	0.49	0
281562	SA	0.47	0.47	0

**Table E-10. 2010 MCAS: Item-Level Classical Test Theory Statistics – Mathematics Grade 5**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
204712	MC	0.90	0.39	0
221198	SA	0.62	0.46	0
248872	MC	0.43	0.38	1
248878	SA	0.76	0.47	0
248998	MC	0.81	0.38	1
249000	MC	0.44	0.46	0
249010	OR	0.80	0.66	0
249124	SA	0.51	0.54	0
260680	MC	0.70	0.46	0
260696	MC	0.68	0.49	0
260705	SA	0.58	0.44	0
260823	MC	0.67	0.46	0
260839	SA	0.57	0.50	1
261228	OR	0.53	0.59	0
261578	MC	0.68	0.47	1
261580	MC	0.85	0.42	0
261591	MC	0.71	0.44	0
261594	MC	0.89	0.40	0
261598	SA	0.72	0.44	0
261611	OR	0.62	0.71	0
262214	MC	0.89	0.44	0
272771	MC	0.83	0.37	0
272773	MC	0.62	0.47	0
272774	MC	0.75	0.55	0
272776	MC	0.73	0.60	0
272780	MC	0.67	0.45	0
272782	MC	0.28	0.36	0
272783	MC	0.88	0.36	0
272786	MC	0.63	0.51	0
272793	MC	0.52	0.48	0
272891	MC	0.48	0.40	0
272893	MC	0.73	0.35	0
272898	MC	0.72	0.35	0
272904	MC	0.86	0.46	0
272906	MC	0.90	0.35	0
272913	MC	0.69	0.53	0
273053	MC	0.75	0.49	0
273787	MC	0.63	0.46	0
273788	MC	0.69	0.49	0
273791	MC	0.84	0.51	0
281450	MC	0.69	0.50	0
288080	OR	0.73	0.63	0

**Table E-11. 2010 MCAS: Item-Level Classical Test Theory Statistics – Mathematics Grade 6**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
217503	MC	0.80	0.46	0
217525	MC	0.70	0.49	1
217599	SA	0.71	0.41	0
217604	SA	0.80	0.49	1
217608	SA	0.55	0.37	0
217619	SA	0.55	0.48	1
221630	MC	0.67	0.59	0
221683	MC	0.75	0.45	0
223157	MC	0.87	0.35	0
223228	SA	0.55	0.53	0
251289	MC	0.79	0.42	0
251488	MC	0.55	0.57	0
264304	MC	0.73	0.42	0
264309	OR	0.59	0.71	0
264759	MC	0.75	0.40	0
265870	MC	0.94	0.37	0
265885	MC	0.73	0.48	0
265891	MC	0.46	0.45	0
265892	MC	0.82	0.41	0
265894	MC	0.76	0.37	0
265896	SA	0.77	0.50	0
266129	MC	0.58	0.46	0
266137	OR	0.58	0.72	0
272170	MC	0.66	0.50	1
272173	MC	0.76	0.50	0
272174	MC	0.84	0.50	0
272176	MC	0.57	0.45	0
272178	MC	0.73	0.49	0
272180	MC	0.94	0.32	0
272278	MC	0.85	0.34	0
272280	MC	0.63	0.56	0
272282	MC	0.69	0.44	0
272283	MC	0.69	0.53	0
272285	MC	0.44	0.37	0
272288	MC	0.83	0.43	0
272293	MC	0.77	0.41	0
272303	MC	0.81	0.46	0
272364	MC	0.78	0.49	0
273834	OR	0.68	0.62	0
273841	OR	0.70	0.65	0
281510	MC	0.86	0.33	0
281968	MC	0.64	0.48	0

**Table E-12. 2010 MCAS: Item-Level Classical Test Theory Statistics – Mathematics Grade 7**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
198330	MC	0.66	0.56	0
205228	MC	0.51	0.51	0
205586	MC	0.54	0.31	1
208393	MC	0.64	0.41	0
208428	MC	0.49	0.42	1
208572	MC	0.87	0.36	0
208769	SA	0.86	0.29	0
219449	MC	0.55	0.61	0
219513	MC	0.87	0.38	0
219525	MC	0.89	0.41	0
219531	SA	0.61	0.63	1
219534	SA	0.53	0.43	0
228019	MC	0.73	0.52	0
228078	MC	0.85	0.34	0
228084	MC	0.83	0.46	0
235344	MC	0.73	0.43	1
235433	MC	0.57	0.45	0
235466	MC	0.84	0.42	0
250206	SA	0.58	0.46	1
250330	MC	0.63	0.54	0
250338	MC	0.35	0.42	0
250358	SA	0.76	0.58	1
250491	MC	0.89	0.45	0
250493	MC	0.67	0.48	0
250852	MC	0.37	0.38	0
250858	MC	0.83	0.48	0
250876	MC	0.51	0.35	0
259162	MC	0.72	0.45	0
259238	MC	0.61	0.47	0
259263	MC	0.74	0.42	0
259273	MC	0.71	0.44	0
260350	MC	0.55	0.26	1
260413	MC	0.67	0.44	0
261100	SA	0.84	0.47	1
261630	OR	0.65	0.75	1
261643	MC	0.81	0.44	0
261650	MC	0.70	0.39	0
262279	MC	0.79	0.42	0
262321	OR	0.73	0.69	0
272155	OR	0.58	0.74	1
272457	MC	0.74	0.53	0
281972	OR	0.72	0.69	0

**Table E-13. 2010 MCAS: Item-Level Classical Test Theory Statistics – Mathematics Grade 8**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
219566	MC	0.72	0.43	0
219576	MC	0.66	0.56	1
219598	MC	0.81	0.47	0
219617	MC	0.52	0.41	0
219645	MC	0.74	0.54	0
219703	SA	0.49	0.46	0
219720	OR	0.54	0.66	0
226930	MC	0.95	0.35	0
228118	MC	0.82	0.32	0
228687	MC	0.92	0.21	0
229505	SA	0.69	0.46	1
229552	MC	0.71	0.57	0
229635	MC	0.80	0.49	0
229637	MC	0.84	0.44	0
229725	MC	0.78	0.30	0
252989	MC	0.29	0.41	0
253691	MC	0.55	0.50	0
253747	MC	0.59	0.47	0
253755	MC	0.80	0.41	0
253766	SA	0.70	0.58	1
253852	MC	0.85	0.49	0
253856	MC	0.58	0.38	0
253886	MC	0.83	0.47	0
253894	OR	0.63	0.72	1
263834	MC	0.64	0.52	0
263850	MC	0.81	0.54	1
263851	MC	0.74	0.49	0
264515	MC	0.79	0.42	0
264744	OR	0.47	0.70	1
264766	MC	0.79	0.48	0
265339	MC	0.70	0.59	0
265583	OR	0.56	0.69	1
265598	SA	0.53	0.61	2
265955	MC	0.64	0.44	0
265963	SA	0.65	0.48	0
268713	SA	0.84	0.52	1
272938	MC	0.77	0.52	0
276326	MC	0.87	0.19	0
288136	MC	0.92	0.34	0
288137	MC	0.73	0.37	0
289723	MC	0.78	0.35	0
289725	MC	0.78	0.38	0

**Table E-14. 2010 MCAS: Item-Level Classical Test Theory Statistics – Mathematics Grade 10**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
250625	MC	0.53	0.30	1
251026	SA	0.75	0.41	2
254659	MC	0.67	0.42	0
258815	MC	0.75	0.45	0
260875	MC	0.66	0.31	0
260882	MC	0.56	0.50	0
261484	MC	0.77	0.39	0
261538	MC	0.49	0.37	0
261546	OR	0.71	0.71	1
268054	MC	0.62	0.53	0
268100	SA	0.73	0.49	1
268424	MC	0.44	0.29	0
268672	SA	0.57	0.54	2
271553	MC	0.80	0.34	0
272831	MC	0.55	0.43	0
273319	OR	0.66	0.74	1
273322	MC	0.65	0.41	0
273351	MC	0.68	0.45	0
273448	MC	0.68	0.52	0
273573	MC	0.88	0.47	0
273580	MC	0.61	0.36	0
273605	OR	0.68	0.75	2
273610	MC	0.62	0.32	0
273624	MC	0.55	0.34	0
274011	MC	0.60	0.53	0
274042	MC	0.78	0.41	0
274101	MC	0.71	0.41	0
274462	MC	0.74	0.41	0
276457	MC	0.60	0.44	0
276566	OR	0.69	0.76	2
278523	MC	0.60	0.50	0
278568	SA	0.77	0.49	3
279059	MC	0.56	0.38	0
279067	MC	0.82	0.53	0
279092	MC	0.55	0.37	0
279114	MC	0.42	0.38	0
279242	MC	0.56	0.33	0
279267	OR	0.61	0.79	1
279309	MC	0.81	0.42	0
279314	MC	0.85	0.46	0
279510	OR	0.72	0.70	1
287633	MC	0.57	0.44	0

**Table E-15. 2010 MCAS: Item-Level Classical Test Theory Statistics – Science and Technology/Engineering Grade 5**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
227839	MC	0.81	0.39	0
245066	MC	0.78	0.31	0
245529	MC	0.93	0.36	0
245582	MC	0.73	0.33	0
264803	MC	0.64	0.34	0
264809	MC	0.79	0.24	0
264836	MC	0.53	0.19	0
264848	MC	0.82	0.24	0
264887	MC	0.68	0.38	0
264893	OR	0.42	0.54	0
273694	MC	0.74	0.39	0
273697	MC	0.60	0.44	0
273716	MC	0.78	0.40	0
273718	MC	0.82	0.42	0
273737	MC	0.79	0.38	0
273741	MC	0.61	0.31	0
273761	MC	0.47	0.30	0
273763	MC	0.84	0.47	0
273766	MC	0.61	0.21	0
273774	MC	0.91	0.25	0
273779	MC	0.96	0.18	0
273782	OR	0.76	0.50	0
281790	MC	0.65	0.44	0
281795	MC	0.74	0.35	0
281799	MC	0.75	0.24	0
281815	MC	0.73	0.42	0
281818	MC	0.66	0.33	0
281820	MC	0.51	0.28	0
281822	MC	0.65	0.15	0
281826	MC	0.79	0.33	1
281827	MC	0.85	0.37	0
281835	MC	0.86	0.25	0
281837	MC	0.91	0.41	0
281840	MC	0.85	0.27	0
281849	MC	0.87	0.32	0
281857	MC	0.70	0.26	0
281864	MC	0.68	0.50	0
281883	MC	0.54	0.31	0
281885	MC	0.47	0.29	0
288603	MC	0.52	0.40	0
288851	OR	0.50	0.61	0
288853	OR	0.48	0.59	0



**Table E-16. 2010 MCAS: Item-Level Classical Test Theory Statistics – Science and Technology/Engineering Grade 8**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
227912	MC	0.73	0.33	0
227961	MC	0.78	0.50	0
227964	MC	0.81	0.39	0
227989	MC	0.81	0.38	0
229364	MC	0.81	0.42	0
229398	MC	0.67	0.45	0
229491	MC	0.70	0.27	0
246311	MC	0.28	0.20	1
265219	MC	0.68	0.39	0
265261	MC	0.89	0.30	0
265267	MC	0.55	0.35	0
265275	MC	0.75	0.40	0
265276	MC	0.45	0.26	0
265299	MC	0.79	0.27	0
265308	MC	0.73	0.43	0
272957	MC	0.73	0.39	0
273680	MC	0.46	0.19	0
273915	MC	0.70	0.39	0
273922	MC	0.79	0.38	0
273939	MC	0.78	0.45	0
273941	OR	0.66	0.49	0
273960	MC	0.71	0.54	0
273964	MC	0.75	0.43	0
273968	MC	0.55	0.30	0
273987	MC	0.83	0.39	0
273990	MC	0.42	0.30	0
274000	OR	0.40	0.52	1
274032	MC	0.77	0.29	0
281079	OR	0.46	0.63	1
281944	MC	0.60	0.22	0
281974	MC	0.58	0.32	0
282018	MC	0.66	0.50	0
282026	MC	0.46	0.28	0
282028	MC	0.82	0.42	0
282029	MC	0.61	0.41	0
282042	MC	0.59	0.32	0
282046	MC	0.73	0.29	0
282048	MC	0.61	0.38	0
282059	OR	0.49	0.52	1
282061	MC	0.71	0.36	0
282064	MC	0.66	0.33	0
282066	MC	0.72	0.41	0

**Table E-17. 2010 MCAS: Item-Level Classical Test Theory Statistics – High School Biology**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
208026	MC	0.80	0.47	0
222034	MC	0.72	0.37	0
222368	MC	0.80	0.33	0
234725	MC	0.56	0.25	0
234764	MC	0.68	0.24	0
234810	MC	0.61	0.30	0
242939	MC	0.88	0.41	0
243541	MC	0.61	0.27	0
256913	MC	0.86	0.43	0
256939	MC	0.82	0.40	0
260738	MC	0.57	0.36	0
260740	MC	0.58	0.32	0
260756	MC	0.73	0.54	0
260757	MC	0.62	0.42	0
260764	OR	0.36	0.60	1
260951	MC	0.88	0.49	0
260956	MC	0.68	0.34	0
261006	MC	0.66	0.34	0
261023	MC	0.84	0.36	0
266393	MC	0.65	0.36	0
266428	OR	0.60	0.57	1
267509	MC	0.63	0.43	0
272915	MC	0.77	0.46	0
273278	MC	0.86	0.33	0
273279	MC	0.58	0.49	0
273499	MC	0.44	0.32	0
273513	OR	0.51	0.61	1
273523	MC	0.77	0.39	0
273526	MC	0.61	0.27	0
273529	MC	0.44	0.35	0
273539	MC	0.74	0.44	0
273540	MC	0.79	0.46	0
273541	MC	0.87	0.46	0
273817	OR	0.35	0.50	2
273818	MC	0.60	0.49	0
273830	MC	0.66	0.31	0
275469	MC	0.69	0.47	0
275470	MC	0.65	0.25	0
275478	MC	0.63	0.27	0
275491	MC	0.75	0.34	0
275518	MC	0.78	0.45	0
275519	MC	0.76	0.37	0
275564	MC	0.70	0.42	0
279818	OR	0.43	0.69	3
281501	MC	0.78	0.49	0

**Table E-18. 2010 MCAS: Item-Level Classical Test Theory Statistics – High School Chemistry**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
226409	MC	0.71	0.37	0
229340	MC	0.83	0.43	0
229566	MC	0.85	0.45	0
229591	MC	0.66	0.51	0
230393	MC	0.71	0.45	0
230516	MC	0.54	0.34	0
244811	MC	0.81	0.43	0
244825	MC	0.44	0.36	0
244924	MC	0.61	0.45	0
244941	MC	0.61	0.39	0
245010	OR	0.52	0.77	4
246701	MC	0.63	0.41	0
246716	MC	0.51	0.47	1
246818	MC	0.76	0.40	0
252566	MC	0.80	0.36	0
258939	MC	0.79	0.46	0
258961	MC	0.68	0.25	0
258971	MC	0.36	0.30	0
260026	MC	0.59	0.35	0
260761	MC	0.87	0.29	0
260767	MC	0.61	0.52	1
260768	MC	0.78	0.47	1
260769	MC	0.56	0.36	0
260772	MC	0.52	0.50	1
260777	MC	0.48	0.39	0
260789	OR	0.49	0.65	1
260798	OR	0.49	0.64	2
260893	MC	0.58	0.50	0
260915	MC	0.46	0.27	0
261054	MC	0.73	0.36	0
261086	MC	0.54	0.54	0
261163	MC	0.62	0.38	1
261194	MC	0.63	0.25	0
261454	MC	0.46	0.45	0
261460	MC	0.55	0.36	0
261468	MC	0.54	0.41	0
261656	MC	0.64	0.43	0
264315	MC	0.58	0.31	0
268510	OR	0.42	0.62	1
271944	MC	0.54	0.38	0
273002	MC	0.62	0.43	1
273010	MC	0.83	0.46	0
273199	MC	0.53	0.51	0
281923	MC	0.74	0.46	0
281964	OR	0.55	0.67	2

**Table E-19. 2010 MCAS: Item-Level Classical Test Theory Statistics – High School Introductory Physics**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
206593	MC	0.53	0.26	0
207946	MC	0.58	0.32	0
207983	MC	0.53	0.18	0
208480	OR	0.52	0.70	2
226057	MC	0.47	0.41	0
226734	MC	0.64	0.31	0
226762	MC	0.71	0.31	0
226848	MC	0.52	0.37	0
230888	MC	0.59	0.24	0
235442	MC	0.68	0.42	0
246956	MC	0.55	0.35	0
252042	MC	0.86	0.39	0
258362	OR	0.41	0.55	2
261138	MC	0.79	0.46	0
261264	MC	0.40	0.28	0
261498	MC	0.69	0.43	0
266481	MC	0.44	0.26	0
272637	MC	0.56	0.37	0
272645	MC	0.74	0.41	0
272655	MC	0.66	0.38	0
272657	MC	0.85	0.43	0
272665	MC	0.68	0.39	0
272667	MC	0.64	0.45	0
272673	MC	0.69	0.37	0
272678	MC	0.66	0.32	0
272680	MC	0.59	0.42	0
272683	MC	0.56	0.31	0
272687	MC	0.81	0.36	0
272690	MC	0.81	0.43	0
272694	MC	0.73	0.30	0
272730	MC	0.47	0.28	0
272742	MC	0.55	0.43	0
272747	MC	0.78	0.38	0
272794	MC	0.63	0.34	0
272802	MC	0.38	0.35	0
272804	MC	0.80	0.36	0
272805	MC	0.69	0.40	0
272815	MC	0.78	0.44	0
272823	OR	0.35	0.65	3
273154	MC	0.41	0.44	0
273424	OR	0.46	0.65	3
273435	MC	0.66	0.44	0
273445	MC	0.65	0.46	0
280766	OR	0.44	0.72	4
281907	MC	0.77	0.48	0

**Table E-20. 2010 MCAS: Item-Level Classical Test Theory Statistics – High School Technology/Engineering**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
206612	MC	0.58	0.42	0
206763	MC	0.78	0.38	0
206765	MC	0.63	0.22	0
208125	MC	0.49	0.40	0
209201	MC	0.83	0.21	0
209219	MC	0.72	0.33	0
209221	MC	0.90	0.36	0
221606	OR	0.47	0.52	4
221994	MC	0.87	0.29	0
222047	MC	0.50	0.25	0
246643	MC	0.91	0.29	0
248607	MC	0.87	0.36	0
260812	MC	0.61	0.29	0
264190	MC	0.70	0.16	0
265118	OR	0.34	0.38	5
265136	MC	0.46	0.23	0
265152	MC	0.51	0.42	0
265169	MC	0.50	0.06	0
268472	MC	0.61	0.44	0
268478	MC	0.56	0.32	0
268479	MC	0.48	0.24	0
271587	OR	0.32	0.57	3
271589	MC	0.69	0.42	0
271590	MC	0.50	0.38	0
273076	MC	0.51	0.26	0
273077	MC	0.60	0.35	0
273082	MC	0.68	0.35	0
273100	MC	0.65	0.38	0
273108	MC	0.32	0.27	0
273110	MC	0.69	0.13	0
273136	MC	0.81	0.31	0
273164	MC	0.71	0.38	0
274335	OR	0.38	0.53	2
274336	OR	0.38	0.55	3
274574	MC	0.73	0.38	0
274580	MC	0.35	0.22	0
274582	MC	0.59	0.29	0
274603	MC	0.58	0.41	0
274604	MC	0.67	0.45	0
274627	MC	0.92	0.29	0
275785	MC	0.44	0.31	0
275790	MC	0.77	0.39	0
279922	MC	0.49	0.19	0
281931	MC	0.72	0.12	0
281933	MC	0.69	0.44	0

**Table E-21. 2010 MCAS-Alt: Item-Level Classical Test Theory Statistics – English Language Arts**

<i>Grade</i>	<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
3	comp1	OR	0.59	0.55	
	comp2	OR	0.59	0.55	
	comp3	OR			
	ind1	OR	0.97	0.67	
	ind2	OR	0.97	0.70	
	ind3	OR			
	sk1	OR	0.98	0.61	
	sk2	OR	0.98	0.64	
	sk3	OR			
4	comp1	OR	0.60	0.44	
	comp2	OR	0.59	0.48	
	comp3	OR	0.59	0.48	
	ind1	OR	0.98	0.58	
	ind2	OR	0.97	0.64	
	ind3	OR	0.96	0.60	
	sk1	OR	0.98	0.53	
	sk2	OR	0.98	0.46	
	sk3	OR	0.98	0.55	
5	comp1	OR	0.60	0.54	
	comp2	OR	0.60	0.55	
	comp3	OR			
	ind1	OR	0.97	0.77	
	ind2	OR	0.97	0.75	
	ind3	OR			
	sk1	OR	0.98	0.62	
	sk2	OR	0.98	0.66	
	sk3	OR			
6	comp1	OR	0.60	0.57	
	comp2	OR	0.60	0.59	
	comp3	OR			
	ind1	OR	0.97	0.69	
	ind2	OR	0.97	0.73	
	ind3	OR			
	sk1	OR	0.98	0.61	
	sk2	OR	0.98	0.61	
	sk3	OR			
7	comp1	OR	0.60	0.45	
	comp2	OR	0.59	0.49	
	comp3	OR	0.59	0.49	
	ind1	OR	0.97	0.62	
	ind2	OR	0.97	0.61	
	ind3	OR	0.96	0.60	
	sk1	OR	0.98	0.52	
	sk2	OR	0.98	0.46	
	sk3	OR	0.98	0.49	

<i>Grade</i>	<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
8	comp1	OR	0.60	0.48	
	comp2	OR	0.59	0.55	
	ind1	OR	0.97	0.78	
	ind2	OR	0.96	0.78	
	sk1	OR	0.98	0.69	
	sk2	OR	0.98	0.73	
HS	comp1	OR	0.60	0.20	
	comp2	OR	0.59	0.32	
	comp3	OR	0.59	0.29	
	ind1	OR	0.95	0.61	
	ind2	OR	0.94	0.63	
	ind3	OR	0.94	0.58	
	sk1	OR	0.97	0.49	
	sk2	OR	0.96	0.54	
	sk3	OR	0.96	0.53	

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

**Table E-22. 2010 MCAS-Alt: Item-Level Classical Test Theory Statistics – Mathematics**

<i>Grade</i>	<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
3	comp1	OR	0.59	0.58	
	comp2	OR	0.60	0.58	
	comp3	OR			
	comp5	OR			
	ind1	OR	0.97	0.67	
	ind2	OR	0.97	0.68	
	ind3	OR			
	ind5	OR			
	sk1	OR	0.98	0.64	
	sk2	OR	0.98	0.65	
	sk3	OR			
	sk5	OR			
4	comp1	OR	0.59	0.61	
	comp2	OR			
	comp3	OR			
	comp5	OR	0.59	0.60	
	ind1	OR	0.97	0.74	
	ind2	OR			
	ind3	OR			
	ind5	OR	0.97	0.72	
	sk1	OR	0.98	0.71	
	sk2	OR			
	sk3	OR			
	sk5	OR	0.98	0.63	
5	comp1	OR	0.60	0.57	
	comp3	OR			
	comp4	OR	0.60	0.57	
	ind1	OR	0.97	0.75	
	ind3	OR			
	ind4	OR	0.97	0.71	
	sk1	OR	0.98	0.65	
	sk3	OR			
	sk4	OR	0.98	0.65	
6	comp1	OR	0.60	0.61	
	comp2	OR	0.60	0.58	
	ind1	OR	0.97	0.71	
	ind2	OR	0.97	0.72	
	sk1	OR	0.98	0.65	
	sk2	OR	0.98	0.60	
7	comp1	OR	0.60	0.61	
	comp2	OR			
	comp3	OR			
	comp5	OR	0.60	0.60	
	ind1	OR	0.97	0.78	
	ind2	OR			
ind3	OR				



<i>Grade</i>	<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
	ind5	OR	0.96	0.75	
	sk1	OR	0.98	0.55	
	sk2	OR			
	sk3	OR			
	sk5	OR	0.98	0.66	
8	comp1	OR	0.60	0.55	
	comp2	OR			
	comp3	OR	0.60	0.56	
	comp5	OR			
	ind1	OR	0.97	0.77	
	ind2	OR			
	ind3	OR	0.97	0.73	
	ind5	OR			
	sk1	OR	0.98	0.67	
	sk2	OR			
	sk3	OR	0.98	0.71	
	sk5	OR			
HS	comp1	OR	0.60	0.23	
	comp2	OR	0.60	0.19	
	comp3	OR	0.60	0.27	
	comp4	OR	0.60	0.23	
	comp5	OR	0.60	0.15	
	ind1	OR	0.96	0.38	
	ind2	OR	0.96	0.48	
	ind3	OR	0.94	0.55	
	ind4	OR	0.95	0.57	
	ind5	OR	0.94	0.50	
	sk1	OR	0.96	0.37	
	sk2	OR	0.96	0.24	
	sk3	OR	0.94	0.46	
	sk4	OR	0.96	0.37	
	sk5	OR	0.96	0.29	

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

**Table E-23. 2010 MCAS-Alt: Item-Level Classical Test Theory Statistics – Science and Technology/Engineering**

<i>Grade</i>	<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
5	comp1	OR	0.60	0.39	
	comp2	OR	0.60	0.39	
	comp3	OR	0.60	0.37	
	comp4	OR	0.59	0.44	
	ind1	OR	0.97	0.56	
	ind2	OR	0.97	0.58	
	ind3	OR	0.97	0.52	
	ind4	OR	0.97	0.59	
	sk1	OR	0.99	0.39	
	sk2	OR	0.99	0.42	
	sk3	OR	0.98	0.48	
	sk4	OR	0.98	0.38	
8	comp1	OR	0.60	0.41	
	comp2	OR	0.59	0.47	
	comp3	OR	0.59	0.45	
	comp4	OR	0.59	0.47	
	ind1	OR	0.97	0.53	
	ind2	OR	0.97	0.66	
	ind3	OR	0.97	0.67	
	ind4	OR	0.95	0.74	
	sk1	OR	0.98	0.52	
	sk2	OR	0.98	0.59	
	sk3	OR	0.98	0.62	
	sk4	OR	0.97	0.63	

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

**Table E-24. 2010 MCAS-Alt: Item-Level Classical Test Theory Statistics – High School Biology**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
comp1	OR	0.59	0.14	
comp2	OR	0.59	0.13	
comp3	OR	0.59	0.15	
comp4	OR			
ind1	OR	0.95	0.62	
ind2	OR	0.95	0.65	
ind3	OR	0.94	0.62	
ind4	OR			
sk1	OR	0.96	0.56	
sk2	OR	0.97	0.50	
sk3	OR	0.96	0.53	
sk4	OR			

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

**Table E-25. 2010 MCAS-Alt: Item-Level Classical Test Theory Statistics – High School Chemistry**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
comp1	OR	0.61	0.50	
comp2	OR	0.61	0.43	
comp3	OR	0.60	0.49	
comp4	OR			
ind1	OR	0.96	0.51	
ind2	OR	0.96	0.46	
ind3	OR	0.96	0.52	
ind4	OR			
sk1	OR	0.97	0.24	
sk2	OR	0.97	0.28	
sk3	OR	0.97	0.34	
sk4	OR			

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

**Table E-26. 2010 MCAS-Alt: Item-level Classical Test Theory Statistics – High School Introductory Physics**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
comp1	OR	0.59	0.13	
comp2	OR	0.59	0.13	
comp3	OR	0.59	0.12	
comp4	OR			
ind1	OR	0.92	0.76	
ind2	OR	0.91	0.83	
ind3	OR	0.92	0.78	
ind4	OR			
sk1	OR	0.94	0.73	
sk2	OR	0.95	0.68	
sk3	OR	0.95	0.60	
sk4	OR			

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

**Table E-27. 2010 MCAS-Alt: Item-Level Classical Test Theory Statistics – High School Technology/Engineering**

<i>Item Number</i>	<i>Item Type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>Percent Omitted</i>
comp1	OR	0.57	0.54	
comp2	OR	0.58	0.46	
comp3	OR	0.58	0.44	
comp4	OR			
ind1	OR	0.94	0.57	
ind2	OR	0.92	0.71	
ind3	OR	0.91	0.70	
ind4	OR			
sk1	OR	0.96	0.53	
sk2	OR	0.95	0.55	
sk3	OR	0.97	0.58	
sk4	OR			

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