

# Appendix J

## ANALYSIS OF EQUATING ITEMS

**Table J-1. 2011 MCAS: Delta Analysis Results – ELA Grade 3**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
220171	0.84	0.86	9.02	8.68	False	-0.47
220175	0.75	0.78	10.30	9.91	False	-0.06
220181	0.75	0.78	10.30	9.91	False	-0.06
220185	0.82	0.84	9.34	9.02	False	-0.56
220194	0.69	0.69	11.02	11.02	False	-0.41
220196	0.74	0.76	10.43	10.17	False	-0.71
220197	0.63	0.64	11.67	11.57	False	-1.01
220199	0.79	0.79	9.77	9.77	False	-0.23
220200	0.73	0.74	10.55	10.43	False	-0.93
220220	0.85	0.85	8.85	8.85	False	-0.10
220255	0.44	0.46	13.60	13.45	False	-0.74
231813	0.85	0.86	8.85	8.68	False	-0.94
231816	0.85	0.88	8.85	8.30	False	0.52
231821	0.69	0.70	11.02	10.90	False	-0.96
231823	0.73	0.76	10.55	10.17	False	-0.11
231828	0.58	0.57	12.19	12.29	False	-0.09
257014	0.85	0.85	8.85	8.85	False	-0.10
257015	0.81	0.82	9.49	9.34	False	-0.91
257016	0.86	0.85	8.68	8.85	False	0.77
257021	0.68	0.72	11.13	10.67	False	0.39
257022	0.78	0.79	9.91	9.77	False	-0.91
257028	0.81	0.80	9.49	9.63	False	0.51
257031	0.77	0.83	10.04	9.18	False	2.16
257033	0.79	0.75	9.77	10.30	False	2.30
257034	0.73	0.80	10.55	9.63	False	2.49
257036	0.88	0.89	8.30	8.09	False	-1.01
257044	0.45	0.48	13.53	13.23	False	-0.02
276729	0.92	0.94	7.38	6.78	False	0.52
276731	0.84	0.85	9.02	8.85	False	-0.93
276738	0.70	0.70	10.90	10.90	False	-0.39
276748	0.87	0.87	8.49	8.49	False	-0.05
276752	0.75	0.71	10.30	10.79	False	2.02

**Table J-2. 2011 MCAS: Delta Analysis Results – ELA Grade 4**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
227630	0.87	0.85	8.49	8.85	False	1.44
227631	0.83	0.83	9.18	9.18	False	-0.90
227635	0.83	0.83	9.18	9.18	False	-0.90
227641	0.86	0.86	8.68	8.68	False	-0.75
227651	0.88	0.87	8.30	8.49	False	0.52
227653	0.88	0.90	8.30	7.87	False	1.00
227654	0.91	0.91	7.64	7.64	False	-0.43
227656	0.79	0.79	9.77	9.77	False	-1.07
227657	0.91	0.91	7.64	7.64	False	-0.43
227660	0.56	0.56	12.45	12.45	False	-0.29
232874	0.64	0.61	11.57	11.88	False	0.26
232875	0.74	0.74	10.43	10.43	False	-0.89

continued

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
232876	0.82	0.82	9.34	9.34	False	-0.94
232883	0.85	0.83	8.85	9.18	False	1.15
232887	0.81	0.81	9.49	9.49	False	-0.99
232889	0.47	0.46	13.30	13.38	False	-0.48
241003	0.53	0.51	12.70	12.90	False	-0.76
256081	0.79	0.79	9.77	9.77	False	-1.07
256084	0.87	0.87	8.49	8.49	False	-0.69
256149	0.73	0.75	10.55	10.30	False	0.61
256150	0.81	0.80	9.49	9.63	False	-0.13
256164	0.71	0.70	10.79	10.90	False	-0.69
256173	0.77	0.77	10.04	10.04	False	-1.00
256184	0.66	0.68	11.35	11.13	False	0.69
256192	0.83	0.81	9.18	9.49	False	0.91
256199	0.82	0.81	9.34	9.49	False	-0.06
256212	0.50	0.47	13.03	13.28	False	-0.56
256807	0.78	0.80	9.91	9.63	False	0.60
266084	0.91	0.94	7.64	6.78	True	3.34
266087	0.69	0.70	11.02	10.90	False	-0.04
266088	0.74	0.77	10.43	10.04	False	1.37
266090	0.70	0.71	10.90	10.79	False	-0.06
266096	0.70	0.66	10.90	11.35	False	1.24

**Table J-3. 2011 MCAS: Delta Analysis Results – ELA Grade 5**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
205133	0.68	0.73	11.13	10.55	True	3.83
205134	0.58	0.56	12.19	12.40	False	0.28
205136	0.77	0.79	10.04	9.77	False	0.99
205139	0.86	0.86	8.68	8.68	False	-1.02
205143	0.74	0.72	10.43	10.67	False	0.85
205145	0.90	0.90	7.87	7.87	False	-0.91
205146	0.60	0.58	11.99	12.19	False	0.33
205147	0.76	0.76	10.17	10.17	False	-1.22
205148	0.64	0.66	11.57	11.35	False	0.72
205153	0.54	0.55	12.62	12.50	False	0.08
208719	0.61	0.61	11.88	11.88	False	-1.11
208721	0.72	0.70	10.67	10.90	False	0.75
208722	0.86	0.86	8.68	8.68	False	-1.02
208724	0.88	0.89	8.30	8.09	False	0.20
208726	0.75	0.73	10.30	10.55	False	0.91
208735	0.73	0.72	10.55	10.67	False	-0.23
208738	0.72	0.71	10.67	10.79	False	-0.26
208741	0.81	0.80	9.49	9.63	False	0.13
208743	0.82	0.83	9.34	9.18	False	-0.10
208744	0.82	0.81	9.34	9.49	False	0.19
208765	0.65	0.66	11.51	11.35	False	0.25
224840	0.80	0.78	9.63	9.91	False	1.27
224843	0.74	0.74	10.43	10.43	False	-1.25
224846	0.77	0.78	10.04	9.91	False	-0.20

continued

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
224854	0.74	0.73	10.43	10.55	False	-0.19
224858	0.79	0.79	9.77	9.77	False	-1.17
224867	0.50	0.51	13.03	12.90	False	0.13
250901	0.84	0.85	9.02	8.85	False	-0.04
266157	0.76	0.77	10.17	10.04	False	-0.21
266158	0.82	0.83	9.34	9.18	False	-0.10
266159	0.82	0.82	9.34	9.34	False	-1.11
266166	0.69	0.69	11.02	11.02	False	-1.23
266171	0.65	0.63	11.46	11.67	False	0.47

**Table J-4. 2011 MCAS: Delta Analysis Results – ELA Grade 6**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
203337	0.72	0.74	10.67	10.43	False	-0.61
203340	0.87	0.87	8.49	8.49	False	-1.13
203343	0.65	0.63	11.46	11.67	False	1.13
203344	0.60	0.64	11.99	11.57	False	-0.12
203348	0.76	0.76	10.17	10.17	False	-0.52
203352	0.68	0.67	11.10	11.27	False	0.74
207439	0.79	0.78	9.77	9.91	False	0.08
207442	0.88	0.87	8.30	8.49	False	-0.15
207448	0.85	0.85	8.85	8.85	False	-1.02
207450	0.91	0.91	7.64	7.64	False	-0.81
207464	0.89	0.88	8.09	8.30	False	-0.17
207473	0.83	0.83	9.18	9.18	False	-0.89
207479	0.78	0.80	9.91	9.63	False	-0.13
207484	0.86	0.84	8.68	9.02	False	0.81
207497	0.75	0.74	10.30	10.43	False	0.21
207508	0.58	0.59	12.22	12.06	False	-0.61
213331	0.82	0.81	9.34	9.49	False	-0.01
257352	0.72	0.73	10.67	10.55	False	-1.00
257357	0.68	0.72	11.13	10.67	False	0.42
257359	0.75	0.76	10.30	10.17	False	-1.10
257363	0.72	0.74	10.67	10.43	False	-0.61
257375	0.90	0.91	7.87	7.64	False	0.40
271371	0.77	0.78	10.04	9.91	False	-0.97
271375	0.74	0.72	10.43	10.67	False	0.90
271383	0.76	0.79	10.17	9.77	False	0.44
271384	0.71	0.70	10.79	10.90	False	0.34
271387	0.64	0.65	11.57	11.46	False	-0.60
271390	0.71	0.74	10.79	10.43	False	-0.01
271396	0.75	0.74	10.30	10.43	False	0.21
271401	0.85	0.89	8.85	8.09	False	2.91
271402	0.86	0.87	8.68	8.49	False	-0.19
271410	0.76	0.77	10.17	10.04	False	-1.04
271412	0.46	0.57	13.45	12.35	True	3.10

**Table J-5. 2011 MCAS: Delta Analysis Results – ELA Grade 7**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
223850	0.70	0.67	10.90	11.24	False	2.05
223854	0.81	0.81	9.49	9.49	False	-0.84
223890	0.55	0.54	12.50	12.60	False	0.32
223894	0.86	0.86	8.68	8.68	False	-0.94
223900	0.67	0.67	11.24	11.24	False	-0.64
223914	0.68	0.68	11.13	11.13	False	-0.65
223917	0.73	0.72	10.55	10.67	False	0.25
223921	0.59	0.62	12.09	11.78	False	0.78
223927	0.81	0.81	9.49	9.49	False	-0.84
223932	0.68	0.68	11.13	11.13	False	-0.65
223937	0.55	0.56	12.55	12.40	False	-0.57
224998	0.77	0.77	10.04	10.04	False	-0.78
224999	0.63	0.63	11.67	11.67	False	-0.59
225000	0.82	0.83	9.34	9.18	False	-0.16
225002	0.58	0.61	12.19	11.88	False	0.75
225004	0.75	0.77	10.30	10.04	False	0.55
225008	0.67	0.68	11.24	11.13	False	-0.74
225044	0.90	0.92	7.87	7.38	False	2.74
225050	0.71	0.73	10.79	10.55	False	0.33
225051	0.74	0.74	10.43	10.43	False	-0.73
225055	0.54	0.58	12.57	12.24	False	0.86
225545	0.81	0.81	9.49	9.49	False	-0.84
225547	0.78	0.78	9.91	9.91	False	-0.79
225550	0.84	0.82	9.02	9.34	False	1.65
225593	0.75	0.73	10.30	10.55	False	1.24
225596	0.76	0.79	10.17	9.77	False	1.71
233976	0.86	0.85	8.68	8.85	False	0.48
233987	0.76	0.76	10.17	10.17	False	-0.76
233993	0.77	0.77	10.04	10.04	False	-0.78
233999	0.62	0.64	11.78	11.57	False	0.01
234003	0.79	0.79	9.77	9.77	False	-0.81
234009	0.60	0.60	12.04	12.01	False	-0.75
273055	0.81	0.81	9.49	9.49	False	-0.84

**Table J-6. 2011 MCAS: Delta Analysis Results – ELA Grade 8**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
207096	0.72	0.72	10.67	10.67	False	-0.64
207099	0.85	0.85	8.85	8.85	False	-0.43
207101	0.88	0.88	8.30	8.30	False	-0.37
207104	0.74	0.74	10.43	10.43	False	-0.61
207118	0.74	0.76	10.43	10.17	False	-0.01
207159	0.88	0.89	8.30	8.09	False	-0.68
207176	0.82	0.85	9.34	8.85	False	2.07
207180	0.64	0.63	11.57	11.67	False	0.27
207185	0.59	0.59	12.09	12.09	False	-0.80
207190	0.65	0.65	11.46	11.46	False	-0.73
207193	0.66	0.66	11.32	11.35	False	-0.45

continued

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
207589	0.79	0.82	9.77	9.34	False	1.66
207592	0.72	0.72	10.67	10.67	False	-0.64
207595	0.87	0.88	8.49	8.30	False	-0.77
207598	0.83	0.84	9.18	9.02	False	-1.01
207599	0.81	0.81	9.49	9.49	False	-0.50
207600	0.74	0.76	10.43	10.17	False	-0.01
207601	0.65	0.64	11.46	11.57	False	0.29
207609	0.59	0.62	12.09	11.78	False	0.74
207618	0.70	0.71	10.90	10.79	False	-1.24
207624	0.79	0.80	9.77	9.63	False	-1.13
207639	0.71	0.75	10.79	10.36	False	1.64
227758	0.77	0.78	10.04	9.91	False	-1.17
227759	0.74	0.73	10.43	10.55	False	0.55
227760	0.84	0.83	9.02	9.18	False	1.07
227764	0.95	0.95	6.42	6.42	False	-0.16
227769	0.91	0.91	7.64	7.64	False	-0.30
227773	0.71	0.73	10.79	10.55	False	-0.10
227774	0.85	0.85	8.85	8.85	False	-0.43
227777	0.72	0.74	10.67	10.43	False	-0.08
227779	0.61	0.57	11.88	12.29	True	3.13
227781	0.61	0.64	11.88	11.57	False	0.77
227783	0.66	0.69	11.32	11.07	False	0.07

**Table J-7. 2011 MCAS: Delta Analysis Results – ELA Grade 10**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
259108	0.81	0.83	9.49	9.18	False	-0.94
259121	0.81	0.82	9.49	9.34	False	-0.24
259131	0.59	0.62	12.09	11.78	False	-1.08
259136	0.83	0.87	9.18	8.49	False	-0.06
263971	0.79	0.81	9.77	9.49	False	-0.86
279596	0.59	0.60	12.09	11.99	False	-0.14
279601	0.69	0.69	11.02	11.02	False	0.38
279606	0.74	0.75	10.43	10.30	False	-0.16
279607	0.90	0.91	7.87	7.64	False	-0.56
279608	0.86	0.85	8.68	8.85	False	1.27
279609	0.82	0.81	9.34	9.49	False	1.12
279617	0.83	0.85	9.18	8.85	False	-1.03
279620	0.76	0.80	10.17	9.63	False	-0.69
279621	0.61	0.67	11.86	11.21	False	-0.15
284606	0.82	0.86	9.34	8.68	False	-0.19
284608	0.85	0.91	8.85	7.64	False	2.31
284613	0.82	0.87	9.34	8.49	False	0.64
284615	0.73	0.75	10.55	10.30	False	-0.72
284617	0.65	0.69	11.46	11.02	False	-1.08
284618	0.88	0.91	8.30	7.64	False	-0.22
284623	0.76	0.79	10.17	9.77	False	-1.32
284625	0.85	0.85	8.85	8.85	False	0.47
284635	0.59	0.65	12.14	11.49	False	-0.09

continued

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
285129	0.82	0.82	9.34	9.34	False	0.45
285131	0.79	0.80	9.77	9.63	False	-0.21
285133	0.76	0.75	10.17	10.30	False	0.99
285142	0.70	0.75	10.90	10.30	False	-0.39
285143	0.53	0.60	12.70	11.99	False	0.19
285190	0.89	0.90	8.09	7.87	False	-0.50
285194	0.88	0.91	8.30	7.64	False	-0.22
285201	0.74	0.76	10.43	10.17	False	-0.74
285204	0.56	0.63	12.40	11.67	False	0.23
285210	0.80	0.83	9.63	9.18	False	-1.12
285212	0.91	0.93	7.64	7.10	False	-0.80
285217	0.60	0.71	11.99	10.76	False	2.50
286709	0.76	0.80	10.17	9.63	False	-0.69
286712	0.86	0.89	8.68	8.09	False	-0.55
286717	0.86	0.83	8.68	9.18	False	2.75
286720	0.82	0.83	9.34	9.18	False	-0.25
287500	0.93	0.96	7.10	6.00	False	1.70

**Table J-8. 2011 MCAS: Delta Analysis Results – Mathematics Grade 3**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
202961	0.86	0.90	8.68	7.87	False	-0.18
202961	0.87	0.90	8.49	7.87	False	-0.85
202988	0.75	0.77	10.30	10.04	False	-1.02
203539	0.72	0.74	10.67	10.43	False	-1.06
203638	0.60	0.74	12.04	10.49	True	3.21
203643	0.75	0.73	10.30	10.55	False	0.68
206980	0.74	0.75	10.43	10.30	False	-0.60
206993	0.76	0.76	10.17	10.17	False	-0.12
207010	0.48	0.50	13.20	13.00	False	-1.02
207776	0.82	0.81	9.34	9.49	False	0.61
208002	0.85	0.85	8.94	8.94	False	0.21
218486	0.86	0.90	8.68	7.87	False	-0.18
218523	0.79	0.83	9.77	9.18	False	-0.61
227103	0.67	0.68	11.24	11.13	False	-0.77
227276	0.89	0.93	8.09	7.10	False	0.31
227295	0.72	0.70	10.67	10.90	False	0.54
252919	0.63	0.59	11.67	12.09	False	0.89
263115	0.29	0.33	15.21	14.76	False	0.36
281223	0.84	0.88	9.02	8.30	False	-0.37

**Table J-9. 2011 MCAS: Delta Analysis Results – Mathematics Grade 4**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
227518	0.76	0.73	10.17	10.55	False	1.51
228713	0.82	0.82	9.34	9.34	False	-1.15
228829	0.75	0.76	10.30	10.17	False	-0.89
247587	0.73	0.76	10.55	10.17	False	0.47
247658	0.70	0.72	10.90	10.67	False	-0.56
250328	0.84	0.86	9.02	8.68	False	1.10
250443	0.73	0.72	10.55	10.67	False	0.17
258190	0.47	0.52	13.30	12.80	False	-0.22
258221	0.57	0.60	12.29	11.99	False	-0.85
280105	0.86	0.84	8.68	9.02	False	0.53
226150	0.85	0.84	8.85	9.02	False	-0.44
227315	0.63	0.68	11.70	11.18	False	0.71
227323	0.63	0.64	11.70	11.59	False	-0.59
227512	0.83	0.81	9.18	9.49	False	0.56
218909	0.82	0.82	9.34	9.34	False	-1.15
221898	0.75	0.76	10.30	10.17	False	-0.89
221903	0.86	0.89	8.68	8.09	False	2.73
221974	0.91	0.90	7.64	7.87	False	-0.67
221984	0.83	0.83	9.18	9.18	False	-1.06
222082	0.86	0.84	8.68	9.02	False	0.53
222095	0.61	0.61	11.88	11.88	False	0.15

**Table J-10. 2011 MCAS: Delta Analysis Results – Mathematics Grade 5**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
198678	0.55	0.55	12.55	12.47	False	-0.20
198686	0.66	0.67	11.40	11.27	False	-0.41
204708	0.90	0.90	7.87	7.87	False	0.11
204785	0.87	0.86	8.49	8.68	False	0.76
204866	0.60	0.69	11.99	11.02	False	0.71
204915	0.85	0.86	8.85	8.68	False	-0.52
206922	0.73	0.80	10.55	9.63	False	0.50
206930	0.56	0.51	12.40	12.90	False	1.85
207514	0.66	0.70	11.35	10.90	False	-1.15
217299	0.62	0.73	11.78	10.55	False	1.63
248869	0.65	0.70	11.46	10.90	False	-0.76
260681	0.66	0.68	11.35	11.13	False	-0.71
260695	0.66	0.78	11.35	9.91	False	2.37
260837	0.67	0.68	11.24	11.13	False	-0.32
261198	0.80	0.84	9.63	9.02	False	-0.58
272892	0.66	0.72	11.35	10.67	False	-0.32
272911	0.79	0.81	9.77	9.49	False	-0.92
273044	0.83	0.85	9.18	8.85	False	-1.07
273050	0.73	0.72	10.55	10.67	False	0.51
280666	0.88	0.91	8.30	7.64	False	-0.41
280747	0.63	0.66	11.67	11.35	False	-1.07



**Table J-11. 2011 MCAS: Delta Analysis Results – Mathematics Grade 6**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
272306	0.49	0.49	13.10	13.10	False	-0.90
272358	0.72	0.74	10.67	10.43	False	-0.91
273824	0.69	0.69	11.02	11.02	False	-0.51
282164	0.50	0.51	12.97	12.90	False	-0.76
223113	0.83	0.89	9.18	8.09	False	0.68
223163	0.75	0.74	10.30	10.43	False	-0.06
226187	0.85	0.86	8.85	8.68	False	-0.40
227709	0.86	0.86	8.68	8.68	False	0.04
227720	0.85	0.85	8.85	8.85	False	0.00
227737	0.68	0.66	11.13	11.35	False	-0.03
227740	0.71	0.71	10.79	10.79	False	-0.45
229034	0.74	0.82	10.43	9.34	False	0.96
229862	0.71	0.87	10.79	8.49	True	3.80
229917	0.80	0.81	9.63	9.49	False	-0.52
229927	0.84	0.85	9.02	8.85	False	-0.43
229936	0.77	0.77	10.04	10.04	False	-0.28
251345	0.80	0.79	9.63	9.77	False	0.14
251387	0.78	0.75	9.91	10.30	False	0.64
264305	0.69	0.69	11.02	11.02	False	-0.51
266115	0.63	0.67	11.67	11.24	False	-0.24
272300	0.65	0.69	11.46	11.02	False	-0.27

**Table J-12. 2011 MCAS: Delta Analysis Results – Mathematics Grade 7**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
198393	0.58	0.59	12.19	12.09	False	-0.90
205230	0.66	0.66	11.35	11.35	False	-0.62
205464	0.62	0.64	11.78	11.57	False	-0.72
208377	0.86	0.89	8.68	8.09	False	-0.45
208512	0.72	0.71	10.67	10.79	False	-0.17
208665	0.59	0.59	12.14	12.12	False	-0.86
208708	0.70	0.69	10.90	11.02	False	-0.23
235415	0.46	0.44	13.40	13.60	False	-0.56
235440	0.74	0.72	10.43	10.67	False	0.20
235468	0.74	0.69	10.43	11.02	False	1.08
249164	0.53	0.55	12.70	12.50	False	-0.54
250242	0.65	0.72	11.46	10.67	False	0.68
250262	0.60	0.49	11.99	13.10	False	2.07
250263	0.56	0.70	12.40	10.90	False	2.68
250450	0.67	0.71	11.21	10.84	False	-0.44
250480	0.55	0.56	12.50	12.40	False	-0.84
261644	0.54	0.63	12.60	11.67	False	1.28
272149	0.55	0.52	12.50	12.80	False	-0.11
272872	0.63	0.65	11.67	11.46	False	-0.73
272875	0.78	0.78	9.91	9.91	False	-0.30
282222	0.67	0.70	11.24	10.90	False	-0.51

**Table J-13. 2011 MCAS: Delta Analysis Results – Mathematics Grade 8**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
219579	0.88	0.90	8.30	7.87	False	-1.07
219599	0.58	0.50	12.19	13.00	False	2.41
219614	0.80	0.84	9.63	9.02	False	0.57
219677	0.67	0.65	11.24	11.46	False	0.01
226927	0.70	0.68	10.90	11.13	False	0.24
226933	0.53	0.55	12.70	12.50	False	0.21
227756	0.81	0.84	9.49	9.02	False	-0.23
227825	0.60	0.61	11.99	11.88	False	-0.66
228127	0.81	0.80	9.49	9.63	False	0.60
229531	0.60	0.67	11.99	11.24	False	2.51
253742	0.63	0.60	11.67	11.99	False	0.25
253758	0.79	0.81	9.77	9.49	False	-0.96
253798	0.60	0.61	11.96	11.91	False	-0.93
253813	0.66	0.68	11.38	11.10	False	-0.14
263846	0.67	0.69	11.24	11.02	False	-0.47
264776	0.76	0.77	10.17	10.04	False	-1.13
264777	0.81	0.80	9.49	9.63	False	0.60
264785	0.37	0.37	14.33	14.33	False	0.10
265932	0.77	0.79	10.04	9.77	False	-0.89
284198	0.79	0.80	9.77	9.63	False	-0.96
285104	0.50	0.46	13.00	13.40	False	-0.04

**Table J-14. 2011 MCAS: Delta Analysis Results – Mathematics Grade 10**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
250946	0.39	0.40	14.12	14.01	False	-0.61
250946	0.41	0.40	13.91	14.01	False	0.49
251056	0.64	0.67	11.57	11.24	False	-0.34
253199	0.58	0.63	12.19	11.67	False	0.65
254660	0.45	0.48	13.50	13.20	False	-0.69
260192	0.65	0.65	11.46	11.46	False	-0.35
260872	0.66	0.62	11.35	11.78	False	1.96
260880	0.43	0.51	13.71	12.90	False	2.03
261524	0.56	0.57	12.40	12.29	False	-0.80
261529	0.64	0.60	11.57	11.99	False	1.95
268443	0.72	0.74	10.64	10.46	False	-1.02
272961	0.48	0.53	13.20	12.70	False	0.43
273628	0.85	0.86	8.85	8.68	False	-0.84
273806	0.59	0.60	12.09	11.99	False	-0.84
274038	0.88	0.89	8.30	8.09	False	-0.61
274473	0.88	0.89	8.30	8.09	False	-0.61
279254	0.49	0.52	13.10	12.80	False	-0.65
279260	0.59	0.57	12.09	12.29	False	0.83
279833	0.64	0.67	11.57	11.27	False	-0.49
281517	0.77	0.80	10.04	9.63	False	0.30
281523	0.48	0.51	13.20	12.90	False	-0.66
281526	0.88	0.90	8.30	7.87	False	0.59
281528	0.53	0.56	12.70	12.40	False	-0.59

continued

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
281567	0.50	0.50	13.00	13.00	False	-0.18
281575	0.56	0.55	12.40	12.50	False	0.31
281594	0.48	0.50	13.20	13.00	False	-1.21
281597	0.83	0.84	9.18	9.02	False	-0.96
281643	0.85	0.85	8.85	8.85	False	-0.65
281654	0.51	0.49	12.90	13.10	False	0.90
281662	0.81	0.80	9.49	9.63	False	0.21
281710	0.89	0.89	8.09	8.09	False	-0.74
281720	0.87	0.86	8.49	8.68	False	0.31
282075	0.61	0.62	11.88	11.78	False	-0.87
282081	0.87	0.88	8.49	8.30	False	-0.70
282091	0.73	0.75	10.55	10.30	False	-0.65
282111	0.75	0.76	10.30	10.17	False	-1.18
282137	0.85	0.85	8.85	8.85	False	-0.65
282151	0.83	0.80	9.18	9.63	False	1.84
282175	0.64	0.72	11.57	10.67	False	2.78
285493	0.50	0.57	12.97	12.29	False	1.43
285593	0.43	0.43	13.76	13.76	False	-0.09
285609	0.58	0.60	12.24	11.96	False	-0.65
286243	0.51	0.56	12.92	12.40	False	0.61

**Table J-15. 2011 MCAS: Delta Analysis Results – STE Grade 5**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
227828	0.67	0.62	11.30	11.80	False	1.96
245106	0.40	0.48	14.01	13.20	False	1.77
245343	0.89	0.89	8.09	8.09	False	-1.41
245445	0.73	0.71	10.55	10.79	False	0.33
245527	0.67	0.71	11.24	10.79	False	0.40
245539	0.71	0.72	10.79	10.67	False	-1.33
253115	0.81	0.81	9.49	9.49	False	-1.19
253150	0.78	0.80	9.91	9.63	False	-0.28
264841	0.69	0.71	11.02	10.79	False	-0.77
264845	0.41	0.41	13.88	13.96	False	0.15
264868	0.74	0.73	10.43	10.55	False	-0.33
264881	0.67	0.69	11.24	11.02	False	-0.85
273693	0.89	0.90	8.09	7.87	False	-0.21
273716	0.78	0.81	9.91	9.49	False	0.51
273717	0.66	0.67	11.35	11.24	False	-1.39
273753	0.76	0.74	10.17	10.43	False	0.32
273760	0.53	0.56	12.70	12.40	False	-0.73
273776	0.67	0.72	11.24	10.67	False	1.04
281793	0.48	0.47	13.20	13.30	False	0.13
281843	0.89	0.86	8.09	8.68	False	1.70
281864	0.68	0.67	11.13	11.24	False	-0.24
288141	0.77	0.80	10.04	9.63	False	0.42

**Table J-16. 2011 MCAS: Delta Analysis Results – STE Grade 8**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
229455	0.63	0.64	11.70	11.62	False	-1.04
246328	0.68	0.68	11.13	11.13	False	-0.76
246356	0.53	0.54	12.70	12.60	False	-0.71
265230	0.51	0.53	12.90	12.70	False	-0.18
265247	0.50	0.51	13.00	12.90	False	-0.64
265249	0.70	0.72	10.90	10.67	False	-0.48
265280	0.34	0.35	14.65	14.54	False	-0.22
265283	0.69	0.69	11.02	11.02	False	-0.73
265292	0.56	0.56	12.40	12.40	False	-1.05
265302	0.54	0.49	12.60	13.10	False	1.31
265305	0.70	0.68	10.90	11.13	False	0.38
273932	0.62	0.63	11.78	11.67	False	-0.89
273955	0.84	0.87	9.02	8.49	False	0.50
273956	0.56	0.53	12.40	12.70	False	0.40
273989	0.90	0.92	7.87	7.38	False	0.07
282005	0.52	0.59	12.80	12.09	False	2.24
282021	0.71	0.67	10.79	11.24	False	1.50
282039	0.76	0.77	10.17	10.04	False	-1.14
282043	0.46	0.46	13.38	13.45	False	-0.91
282054	0.35	0.38	14.54	14.22	False	0.77
282065	0.62	0.57	11.78	12.29	False	1.57

**Table J-17. 2011 MCAS: Delta Analysis Results – High School Biology**

<i>Item Number</i>	<i>Old</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
208074	0.68	0.69	11.13	11.02	False	0.05
208201	0.49	0.46	13.10	13.40	False	0.67
213735	0.77	0.74	10.04	10.43	False	-0.55
229323	0.52	0.56	12.80	12.40	False	0.75
230229	0.72	0.75	10.67	10.30	False	1.71
230357	0.80	0.76	9.63	10.17	False	0.10
234716	0.67	0.65	11.24	11.46	False	-0.81
242854	0.51	0.50	12.90	13.05	False	-0.28
243371	0.93	0.91	7.10	7.64	False	-1.28
260954	0.61	0.57	11.88	12.29	False	0.61
261219	0.77	0.75	10.04	10.30	False	-1.24
261231	0.56	0.55	12.40	12.50	False	-0.83
264686	0.69	0.67	11.02	11.24	False	-0.90
264690	0.81	0.75	9.49	10.30	False	1.53
264697	0.52	0.55	12.77	12.47	False	0.21
266315	0.52	0.55	12.80	12.50	False	0.19
266390	0.88	0.86	8.30	8.68	False	-1.13
266424	0.57	0.54	12.29	12.60	False	0.24
267514	0.79	0.78	9.77	9.91	False	-0.59
268466	0.41	0.47	13.88	13.33	False	1.02
272917	0.67	0.61	11.24	11.88	False	1.54
272919	0.78	0.76	9.91	10.17	False	-1.28
273489	0.81	0.78	9.49	9.91	False	-0.63

continued

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
273493	0.69	0.66	11.02	11.35	False	-0.29
273497	0.75	0.75	10.30	10.30	False	-0.12
275589	0.59	0.58	12.09	12.19	False	-0.98
275643	0.66	0.64	11.35	11.57	False	-0.76
276497	0.73	0.73	10.55	10.55	False	-0.25
276550	0.66	0.64	11.35	11.57	False	-0.76
276775	0.76	0.75	10.17	10.30	False	-0.76
276777	0.62	0.64	11.78	11.57	False	0.25
276786	0.79	0.77	9.77	10.04	False	-1.32
276841	0.38	0.45	14.22	13.48	False	1.87
281146	0.71	0.71	10.79	10.79	False	-0.38
281151	0.41	0.40	13.91	14.01	False	0.01
281175	0.88	0.83	8.30	9.18	False	1.27
283031	0.81	0.84	9.49	9.02	False	2.90
283072	0.75	0.74	10.30	10.43	False	-0.81
283073	0.76	0.71	10.17	10.79	False	0.79
283116	0.80	0.81	9.63	9.49	False	1.05
283135	0.73	0.70	10.55	10.90	False	-0.43
283225	0.60	0.56	11.99	12.40	False	0.66
285885	0.39	0.40	14.09	13.99	False	-1.04

**Table J-18. 2011 MCAS: Delta Analysis Results – High School Chemistry**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
206748	0.48	0.59	13.20	12.09	False	2.11
208220	0.52	0.60	12.80	11.99	False	1.30
208270	0.59	0.54	12.09	12.60	False	-0.86
216945	0.70	0.67	10.90	11.24	False	-1.68
216965	0.31	0.38	14.98	14.22	False	0.29
226985	0.52	0.46	12.80	13.40	False	-0.28
229666	0.52	0.57	12.80	12.29	False	0.31
244759	0.76	0.80	10.17	9.63	False	1.45
244939	0.47	0.51	13.30	12.90	False	-0.22
246709	0.61	0.50	11.88	13.00	False	1.02
254842	0.49	0.50	13.08	13.00	False	-1.19
258938	0.58	0.57	12.19	12.29	False	-1.42
258958	0.44	0.47	13.60	13.30	False	-0.66
260755	0.53	0.56	12.70	12.40	False	-0.31
260763	0.64	0.62	11.57	11.78	False	-1.53
260766	0.72	0.66	10.67	11.35	False	-0.86
260899	0.68	0.74	11.13	10.43	False	1.60
260922	0.60	0.55	11.99	12.50	False	-0.89
261073	0.50	0.50	13.00	13.00	False	-1.40
261077	0.62	0.68	11.78	11.13	False	1.17
261087	0.47	0.45	13.30	13.50	False	-1.38
261463	0.76	0.67	10.17	11.24	False	0.19
263581	0.51	0.54	12.90	12.60	False	-0.39
264312	0.74	0.77	10.43	10.04	False	0.84
264323	0.76	0.65	10.17	11.46	False	0.90

continued

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
273000	0.69	0.56	11.02	12.40	False	1.53
273001	0.83	0.77	9.18	10.04	False	-0.85
273069	0.50	0.42	13.05	13.78	False	0.23
273213	0.60	0.65	11.99	11.46	False	0.70
274060	0.48	0.55	13.20	12.50	False	0.79
275853	0.58	0.51	12.19	12.90	False	-0.18
275864	0.80	0.72	9.63	10.67	False	-0.12
275868	0.37	0.36	14.33	14.43	False	-1.29
280892	0.72	0.65	10.67	11.46	False	-0.51
280905	0.59	0.51	12.09	12.90	False	0.11
281112	0.55	0.45	12.50	13.48	False	0.82
281311	0.56	0.50	12.40	13.00	False	-0.43
281918	0.58	0.52	12.19	12.80	False	-0.50
287955	0.49	0.40	13.10	14.01	False	0.84
287968	0.82	0.72	9.34	10.67	False	0.72

**Table J-19. 2011 MCAS: Delta Analysis Results – High School Introductory Physics**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
206567	0.53	0.56	12.70	12.40	False	-0.20
206596	0.78	0.80	9.91	9.63	False	0.02
207945	0.73	0.72	10.55	10.67	False	-0.25
208378	0.82	0.86	9.34	8.68	False	1.86
208492	0.52	0.54	12.80	12.60	False	-0.68
235311	0.87	0.86	8.49	8.68	False	-0.20
235465	0.31	0.33	15.01	14.73	False	-0.58
241710	0.67	0.64	11.24	11.57	False	0.79
253604	0.64	0.63	11.57	11.67	False	-0.20
258364	0.77	0.78	10.04	9.91	False	-0.67
261114	0.59	0.61	12.09	11.88	False	-0.57
261126	0.80	0.80	9.63	9.63	False	-0.92
261147	0.62	0.73	11.78	10.55	True	4.23
264350	0.46	0.46	13.40	13.40	False	-0.47
272656	0.60	0.59	11.99	12.09	False	-0.16
272658	0.59	0.60	12.09	11.99	False	-1.06
272735	0.70	0.67	10.90	11.24	False	0.80
272800	0.66	0.63	11.35	11.67	False	0.79
272812	0.54	0.59	12.60	12.09	False	0.77
280438	0.72	0.72	10.67	10.67	False	-0.80
280446	0.66	0.69	11.35	11.02	False	0.10
280450	0.77	0.75	10.04	10.30	False	0.33
280452	0.60	0.60	11.99	11.99	False	-0.64
280458	0.68	0.66	11.13	11.35	False	0.29
280462	0.66	0.62	11.35	11.78	False	1.28
280471	0.59	0.62	12.09	11.78	False	-0.09
280762	0.82	0.84	9.34	9.02	False	0.26
280793	0.46	0.48	13.40	13.20	False	-0.76
280808	0.52	0.53	12.80	12.70	False	-1.01
280851	0.57	0.59	12.29	12.09	False	-0.61

continued

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
280858	0.61	0.65	11.88	11.46	False	0.46
280869	0.78	0.79	9.91	9.77	False	-0.64
280878	0.70	0.68	10.90	11.13	False	0.29
280881	0.52	0.51	12.82	12.95	False	0.04
280932	0.47	0.51	13.33	12.95	False	0.07
280949	0.67	0.68	11.24	11.13	False	-0.92
280958	0.76	0.76	10.17	10.17	False	-0.86
281908	0.45	0.44	13.48	13.63	False	0.24
285644	0.47	0.48	13.30	13.20	False	-0.95
285648	0.79	0.78	9.77	9.91	False	-0.27
285649	0.31	0.37	14.98	14.35	False	1.05
288367	0.66	0.67	11.35	11.24	False	-0.94
288369	0.61	0.55	11.88	12.50	False	2.21
288373	0.76	0.76	10.17	10.17	False	-0.86
288377	0.59	0.61	12.09	11.88	False	-0.57

**Table J-20. 2011 MCAS: Delta Analysis Results – High School Technology/Engineering**

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
206607	0.55	0.54	12.50	12.60	False	-1.11
206609	0.82	0.78	9.34	9.91	False	-0.55
206613	0.51	0.61	12.90	11.88	False	1.76
208956	0.85	0.91	8.85	7.64	False	2.92
209220	0.37	0.44	14.33	13.60	False	0.76
221742	0.70	0.64	10.90	11.57	False	-0.06
221998	0.52	0.49	12.80	13.10	False	-0.72
248687	0.35	0.34	14.60	14.62	False	-1.15
251729	0.84	0.81	9.02	9.49	False	-0.88
260805	0.58	0.52	12.19	12.80	False	-0.01
260808	0.63	0.59	11.67	12.09	False	-0.59
260810	0.68	0.68	11.13	11.13	False	-0.63
265041	0.66	0.66	11.35	11.35	False	-0.66
265063	0.77	0.69	10.04	11.02	False	0.61
265067	0.61	0.56	11.88	12.40	False	-0.30
265079	0.74	0.69	10.43	11.02	False	-0.33
265082	0.65	0.52	11.43	12.85	False	1.99
267220	0.71	0.69	10.79	11.02	False	-1.18
271568	0.79	0.71	9.77	10.79	False	0.67
271578	0.88	0.85	8.30	8.85	False	-0.76
271584	0.53	0.49	12.70	13.10	False	-0.47
271591	0.47	0.58	13.30	12.19	False	1.93
273097	0.40	0.36	14.01	14.43	False	-0.21
273098	0.74	0.63	10.43	11.67	False	1.39
273124	0.42	0.37	13.81	14.33	False	0.02
273149	0.56	0.53	12.40	12.70	False	-0.77
273158	0.66	0.53	11.35	12.70	False	1.80
274561	0.76	0.74	10.17	10.43	False	-1.14
274581	0.48	0.51	13.20	12.90	False	-0.17
274633	0.59	0.52	12.12	12.82	False	0.25

continued

<i>Item Number</i>	<i>Old P</i>	<i>New P</i>	<i>Old Delta</i>	<i>New Delta</i>	<i>Discard</i>	<i>Std</i>
274646	0.56	0.59	12.40	12.09	False	-0.03
274648	0.56	0.54	12.40	12.60	False	-1.04
274650	0.68	0.75	11.13	10.30	False	1.54
274660	0.41	0.42	13.94	13.78	False	-0.67
275784	0.55	0.57	12.50	12.29	False	-0.31
281110	0.66	0.61	11.35	11.88	False	-0.34
281378	0.40	0.40	14.01	14.01	False	-1.08
281381	0.65	0.59	11.46	12.09	False	-0.06
281399	0.43	0.42	13.71	13.81	False	-1.09
281411	0.52	0.55	12.80	12.50	False	-0.10
281433	0.42	0.51	13.81	12.90	False	1.33
281441	0.59	0.62	12.09	11.78	False	0.04
281458	0.77	0.78	10.04	9.91	False	-0.11
281462	0.65	0.67	11.46	11.24	False	-0.11
288402	0.87	0.83	8.49	9.18	False	-0.38

**Table J-21. 2011 MCAS: Rescore Analysis Results – ELA Grade 3**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
257044	4	1.71	1.90	0.90	0.91	0.21	No
220255	4	1.87	1.79	0.85	0.80	-0.09	No

**Table J-22. 2011 MCAS: Rescore Analysis Results – ELA Grade 4**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
232889	4	1.93	1.86	1.05	0.96	-0.07	No
256212	4	2.02	1.85	0.86	0.93	-0.20	No
227660	4	2.21	2.15	0.94	0.98	-0.06	No

**Table J-23. 2011 MCAS: Rescore Analysis Results – ELA Grade 5**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
208765	4	2.46	2.53	1.10	1.14	0.07	No
224867	4	1.92	1.98	1.00	1.00	0.06	No
205153	4	2.25	2.16	0.92	0.85	-0.09	No



**Table J-24. 2010 MCAS: Rescore Analysis Results – ELA Grade 6**

Item Number	Max	Mean		StDev		Effect Size	Discard
		Old	New	Old	New		
207508	4	2.19	2.29	1.01	1.05	0.10	No
203352	4	2.58	2.58	0.94	0.99	0.00	No
271412	4	1.80	2.13	1.03	1.11	0.31	No

**Table J-25. 2010 MCAS: Rescore Analysis Results – ELA Grade 7**

Item Number	Max	Mean		StDev		Effect Size	Discard
		Old	New	Old	New		
223937	4	2.09	2.00	0.98	0.92	-0.10	No
225055	4	1.99	1.95	1.09	1.00	-0.03	No
234009	4	2.05	2.25	0.96	0.92	0.21	No

**Table J-26. 2010 MCAS: Rescore Analysis Results – ELA Grade 8**

Item Number	Max	Mean		StDev		Effect Size	Discard
		Old	New	Old	New		
207193	4	2.59	2.44	0.97	1.03	-0.15	No
227783	4	2.55	2.55	1.12	1.14	0.00	No
207639	4	2.68	2.70	0.93	1.01	0.02	No

**Table J-27. 2010 MCAS: Rescore Analysis Results – ELA Grade 10**

Item Number	Max	Mean		StDev		Effect Size	Discard
		Old	New	Old	New		
284635	4	2.35	2.38	0.85	0.82	0.03	No
285143	4	2.06	2.10	0.93	0.78	0.04	No
279621	4	2.31	2.43	0.98	0.88	0.13	No

**Table J-28. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 3**

Item Number	Max	Mean		StDev		Effect Size	Discard
		Old	New	Old	New		
203638	2	1.15	1.20	0.82	0.79	0.06	No
208002	2	1.74	1.72	0.63	0.64	-0.02	No

**Table J-29. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 4**

Item Number	Max	Mean		StDev		Effect Size	Discard
		Old	New	Old	New		
227315	4	2.57	2.69	1.13	1.13	0.11	No
227323	4	2.44	2.53	1.38	1.38	0.06	No

**Table J-30. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 5**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
198686	4	2.65	2.71	1.29	1.36	0.05	No
198678	4	2.37	2.26	1.30	1.35	-0.09	No

**Table J-31. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 6**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
282164	4	2.02	1.98	1.35	1.36	-0.03	No
229936	4	3.19	3.22	1.15	1.15	0.03	No

**Table J-32. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 7**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
208665	4	2.38	2.38	1.32	1.33	0.00	No
250450	4	2.69	2.80	0.93	0.90	0.12	No

**Table J-33. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 8**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
253798	4	2.46	2.43	1.51	1.49	-0.02	No
253813	4	2.64	2.60	1.11	1.12	-0.03	No

**Table J-34. 2010 MCAS: Rescore Analysis Results – Mathematics Grade 10**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
286243	4	2.02	1.96	1.50	1.52	-0.05	No
285593	4	1.71	1.55	1.14	1.16	-0.14	No
285493	4	2.08	2.06	1.52	1.54	-0.01	No

**Table J-35. 2010 MCAS: Rescore Analysis Results – STE Grade 5**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
264845	4	1.57	1.65	1.25	1.28	0.06	No
227828	4	2.62	2.51	1.06	1.05	-0.11	No

**Table J-36. 2010 MCAS: Rescore Analysis Results – STE Grade 8**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
282043	4	1.93	1.92	1.09	1.02	0.00	No
229455	4	2.40	2.37	1.13	1.10	-0.03	No

**Table J-37. 2010 MCAS: Rescore Analysis Results – High School Biology**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
264697	4	1.87	1.85	1.30	1.30	-0.02	No
276841	4	1.32	1.48	1.18	1.19	0.13	No
242854	4	1.99	1.89	1.10	1.04	-0.09	No
285885	4	1.48	1.43	1.39	1.33	-0.04	No
268466	4	1.54	1.67	1.03	0.98	0.12	No

**Table J-38. 2010 MCAS: Rescore Analysis Results – High School Chemistry**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
254842	4	2.17	2.11	1.40	1.36	-0.04	No
273069	4	1.73	1.68	1.38	1.48	-0.04	No
281112	4	1.75	1.83	1.52	1.53	0.05	No

**Table J-39. 2010 MCAS: Rescore Analysis Results – High School Introductory Physics**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
280932	4	1.87	1.99	1.20	1.19	0.10	No
281908	4	1.95	1.89	1.29	1.26	-0.05	No
235465	4	1.29	1.13	1.12	1.05	-0.15	No
280881	4	2.13	2.07	1.15	1.18	-0.05	No
285649	4	1.05	1.18	1.11	1.16	0.12	No

**Table J-40. 2010 MCAS: Rescore Analysis Results – High School Technology/Engineering**

<i>Item Number</i>	<i>Max</i>	<i>Mean</i>		<i>StDev</i>		<i>Effect Size</i>	<i>Discard</i>
		<i>Old</i>	<i>New</i>	<i>Old</i>	<i>New</i>		
265082	4	2.52	1.78	1.29	1.27	-0.57	No
274660	4	1.55	1.69	1.16	1.15	0.11	No
274633	4	2.30	2.18	1.34	1.40	-0.10	No
273124	4	1.64	1.54	1.03	1.04	-0.10	No
248687	4	1.24	1.29	1.05	1.06	0.05	No