

# **Appendix F**

## **ITEM-LEVEL SCORE DISTRIBUTIONS**

**Table F-1. 2010 MCAS: Item-Level Score Distributions for Constructed-Response Items – English Language Arts**

Grade	Item Number	Total Possible Points	Percent of Students at Score Point													
			0	1	2	3	4	5	6	7	8	9	10	11	12	
3	270039	4	9.63	43.69	37.60	7.93	0.94									
	282176A	2	6.41	50.71	42.66											
	282177B	2	16.81	51.58	31.23											
	282191	2	3.70	57.14	38.85											
	282210	2	10.10	60.36	29.28											
4	255620	4	6.87	32.05	43.09	16.04	1.68									
	256089	4	6.16	25.65	36.68	21.39	10.00									
	268954	4	9.11	22.81	43.20	19.40	5.06									
	277105	4	1.84	11.91	48.13	31.94	6.04									
	281622C	8	0.15		0.31	0.45	6.62	6.01	31.05	16.99	38.41					
	281622T	12	0.15		0.56	0.50	5.64	4.30	29.95	13.73	28.01	9.23	6.23	1.29	0.41	
5	270206	4	1.95	16.01	49.13	26.29	6.54									
	270998	4	1.61	19.69	59.73	16.59	2.08									
	276129	4	5.28	20.54	43.98	22.84	7.18									
	276348	4	1.85	14.30	39.98	33.48	10.26									
6	257314	4	1.88	13.92	45.01	29.34	9.75									
	257689	4	2.37	9.92	46.95	28.86	11.80									
	271539	4	3.54	16.82	47.95	26.28	4.99									
	277172	4	2.85	20.42	50.36	21.62	4.37									
7	271315	4	2.38	16.45	36.09	32.88	11.98									
	276637	4	3.59	22.53	43.98	24.41	4.88									
	279229	4	2.40	7.59	35.60	43.99	10.30									
	280290	4	2.16	10.79	37.93	37.02	11.73									
	281244C	8	0.07		0.15	0.21	5.30	6.66	33.21	22.33	32.07					
281244T	12	0.07		0.33	0.30	4.43	4.28	28.98	17.21	31.96	7.61	4.04	0.56	0.23		
8	271621	4	3.37	9.83	28.28	40.49	17.71									
	272837	4	2.69	19.21	37.81	28.39	11.33									
	276022	4	2.93	11.94	38.49	32.34	13.96									
	276107	4	3.79	8.14	18.92	44.14	24.67									
10	268763	4	5.26	10.01	30.59	36.26	17.48									
	279394	4	3.47	14.56	46.89	27.41	7.10									
	279567	4	1.94	13.26	31.17	36.98	15.87									
	280239	4	2.35	8.71	24.66	44.77	19.18									
	281763C	8	0.14		0.08	0.09	3.86	4.83	31.13	22.08	37.77					
	281763T	12	0.14		0.34	0.26	3.26	4.12	30.17	19.03	33.82	5.89	2.73	0.17	0.07	

**Table F-2. 2010 MCAS: Item-Level Score Distributions for Constructed-Response Items – Mathematics**

Grade	Item Number	Total Possible Points	Percent of Students at Score Point				
			0	1	2	3	4
3	227289	1	25.52	74.30			
	252969	1	35.19	64.71			
	252980	1	60.25	39.44			
	253730	2	17.54	29.25	53.08		
	260987	1	17.88	81.84			
	261029	2	7.50	35.93	56.46		
	261853	2	5.99	50.59	43.19		
	263132	1	30.66	69.20			
	273265	1	25.75	74.05			
	287946	2	5.95	52.25	41.56		
4	219077	1	25.89	73.87			
	227496	1	21.12	78.69			
	227873	1	41.21	58.50			
	250382	4	6.28	16.28	19.29	28.86	29.03
	250538	1	50.12	49.70			
	258223	4	2.15	14.31	18.87	23.90	40.47
	258229	1	34.27	65.35			
	258261	4	7.11	19.35	28.77	28.91	15.56
	258303	4	11.85	24.04	26.39	22.19	15.19
	281562	1	52.59	47.08			
5	221198	1	37.72	62.04			
	248878	1	24.11	75.75			
	249010	4	6.69	9.20	4.30	16.50	63.14
	249124	1	48.17	51.42			
	260705	1	41.49	58.16			
	260839	1	42.09	57.29			
	261228	4	9.16	26.60	23.39	24.43	16.20
	261598	1	27.61	71.94			
	261611	4	16.44	17.95	4.53	23.64	37.20
	288080	4	2.79	11.77	13.73	32.90	38.58
6	217599	1	28.33	71.45			
	217604	1	19.57	79.93			
	217608	1	44.95	54.76			
	217619	1	44.08	55.29			
	223228	1	44.30	55.40			
	264309	4	11.03	20.10	14.46	28.16	26.01
	265896	1	23.02	76.71			
	266137	4	20.06	11.48	7.88	35.30	24.86
	273834	4	6.27	11.64	19.03	28.37	34.51
	273841	4	4.96	10.77	2.87	62.11	19.12
7	208769	1	13.26	86.44			
	219531	1	37.80	60.76			
	219534	1	46.38	53.31			
	250206	1	41.04	58.24			
	250358	1	23.56	75.88			
	261100	1	15.12	84.38			
	261630	4	6.75	17.34	21.35	15.16	38.54

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	
	262321	4	3.50	12.52	18.84	17.61	47.16	
	272155	4	6.99	23.97	21.62	21.15	25.43	
	281972	4	7.37	7.45	13.05	30.79	40.87	
8	219703	1	51.01	48.69				
	219720	4	8.05	28.52	24.10	16.19	22.71	
	229505	1	30.38	69.06				
	253766	1	29.31	69.77				
	253894	4	14.45	18.89	4.71	22.25	38.86	
	264744	4	28.77	23.49	1.72	17.70	26.97	
	265583	4	10.72	30.86	10.77	16.32	30.29	
	265598	1	45.53	52.51				
	265963	1	34.41	65.23				
	268713	1	14.36	84.46				
	10	251026	1	23.84	74.63			
		261546	4	4.06	8.78	20.31	26.47	39.28
268100		1	26.80	72.63				
268672		1	41.22	56.76				
273319		4	1.88	26.09	17.50	11.49	41.77	
273605		4	8.04	9.98	13.00	34.82	32.59	
276566		4	7.06	12.05	18.73	15.86	44.55	
278568		1	20.82	76.61				
279267		4	3.96	22.31	19.87	28.53	23.94	
279510		4	5.88	14.27	11.05	20.24	47.34	

**Table F-3. 2010 MCAS: Item-Level Score Distributions for Constructed-Response Items – Science and Technology/Engineering**

Grade	Item Number	Total Possible Points	Percent of Students at Score Point				
			0	1	2	3	4
5	264893	4	28.08	14.99	24.21	23.51	8.86
	273782	4	4.68	4.42	9.39	42.67	38.69
	288851	4	13.39	22.31	22.51	31.65	9.91
	288853	4	5.73	33.80	32.57	18.89	8.77
8	273941	4	6.19	14.07	22.13	23.21	34.02
	274000	4	14.69	35.30	28.56	14.81	5.86
	281079	4	22.36	20.80	20.76	22.30	13.21
	282059	4	11.79	23.14	30.11	21.10	12.79

**Table F-4. 2010 MCAS: Item-Level Score Distributions for Constructed-Response Items – High School Biology**

Item Number	Total Possible Points	Percent of Students at Score Point				
		0	1	2	3	4
260764	4	27.74	27.14	23.12	13.48	7.13
266428	4	3.76	17.89	28.34	28.85	19.97
273513	4	2.86	28.25	36.79	21.63	9.58
273817	4	35.73	9.21	35.23	11.30	6.33
279818	4	18.35	20.68	33.64	14.49	10.11

**Table F-5. 2010 MCAS: Item-Level Score Distributions for Constructed-Response Items – High School Chemistry**

Item Number	Total Possible Points	Percent of Students at Score Point				
		0	1	2	3	4
245010	4	12.37	22.56	16.84	24.30	19.64
260789	4	5.03	28.46	31.45	31.57	2.18
260798	4	14.98	8.58	49.66	13.30	11.68
268510	4	31.08	16.97	18.46	14.11	17.96
281964	4	13.42	22.37	15.10	19.95	26.91

**Table F-6. 2010 MCAS: Item-Level Score Distributions for Constructed-Response Items – High School Introductory Physics**

Item Number	Total Possible Points	Percent of Students at Score Point				
		0	1	2	3	4
208480	4	10.54	20.82	27.71	25.50	13.38
258362	4	14.07	32.67	31.09	15.38	5.26
272823	4	25.47	27.48	23.00	16.69	4.12
273424	4	13.52	14.41	44.08	18.66	6.33
280766	4	23.82	18.42	16.70	21.95	14.90

**Table F-7. 2010 MCAS: Item-Level Score Distributions for Constructed-Response Items – High School Technology/Engineering**

Item Number	Total Possible Points	Percent of Students at Score Point				
		0	1	2	3	4
221606	4	28.09	10.48	16.88	22.17	18.87
265118	4	36.84	11.37	28.83	7.02	11.01
271587	4	21.70	35.17	29.14	8.60	2.25
274335	4	18.03	34.43	21.23	22.85	1.62
274336	4	24.74	22.48	24.48	22.01	3.46

**Table F-8. 2010 MCAS-Alt: Item-Level Score Distributions for Constructed-Response Items – English Language Arts**

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
3	comp1	5	0.00	0.00	3.59	95.57	0.84	0.00
	comp2	5	0.00	0.00	5.10	94.24	0.67	0.00
	comp3	5						
	gp1	2	0.00	6.77	93.23			
	gp2	2	0.00	10.86	89.14			
	gp3	2						
	ind1	4	0.00	0.08	1.17	7.52	91.23	
	ind2	4	0.00	0.08	1.09	9.27	89.56	
	ind3	4						
	se1	2	0.84	3.43	95.74			
	se2	2	0.84	3.51	95.66			
	se3	2						
	sk1	4	0.00	0.17	0.67	4.51	94.65	
	sk2	4	0.00	0.08	1.00	6.60	92.31	
	sk3	4						
4	comp1	5	0.00	0.00	3.38	95.81	0.59	0.22
	comp2	5	0.00	0.00	4.11	95.23	0.51	0.15
	comp3	5	0.00	0.00	4.33	94.93	0.73	0.00
	gp1	2	0.00	5.36	94.64			
	gp2	2	0.00	5.29	94.71			
	gp3	2	0.00	5.51	94.49			
	ind1	4	0.88	0.22	0.66	7.34	90.90	
	ind2	4	0.95	0.29	1.47	8.81	88.47	
	ind3	4	1.10	0.37	1.91	9.91	86.71	
	se1	2	0.59	2.64	96.77			
	se2	2	0.66	2.50	96.84			
	se3	2	1.03	3.01	95.96			
	sk1	4	0.88	0.00	0.88	4.77	93.47	
	sk2	4	0.95	0.15	0.15	5.87	92.88	
	sk3	4	1.10	0.07	0.95	6.83	91.04	
5	comp1	5	0.00	0.00	2.39	96.62	0.82	0.16
	comp2	5	0.00	0.00	3.46	95.72	0.66	0.16
	comp3	5						
	gp1	2	0.00	7.50	92.50			
	gp2	2	0.00	8.57	91.43			
	gp3	2						
	ind1	4	0.00	0.25	1.40	8.65	89.70	
	ind2	4	0.00	0.25	1.73	8.73	89.29	
	ind3	4						
	se1	2	0.99	2.14	96.87			
	se2	2	0.82	2.47	96.71			
	se3	2						
	sk1	4	0.00	0.00	0.41	5.19	94.40	
	sk2	4	0.00	0.08	0.25	5.68	93.99	
	sk3	4						
6	comp1	5	0.00	0.00	2.77	95.71	1.34	0.17
	comp2	5	0.00	0.00	3.36	95.04	1.43	0.17

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
	comp3	5						
	gp1	2	0.00	10.92	89.08			
	gp2	2	0.00	12.27	87.73			
	gp3	2						
	ind1	4	0.00	0.25	0.84	7.65	91.26	
	ind2	4	0.00	0.42	1.01	7.56	91.01	
	ind3	4						
	se1	2	0.92	1.93	97.14			
	se2	2	0.92	1.76	97.31			
	se3	2						
	sk1	4	0.00	0.00	0.42	5.88	93.70	
	sk2	4	0.00	0.25	0.59	6.55	92.61	
	sk3	4						
	7	comp1	5	0.00	0.00	3.46	95.50	0.87
comp2		5	0.00	0.00	4.24	94.81	0.78	0.17
comp3		5	0.00	0.00	3.81	95.41	0.61	0.17
gp1		2	0.00	5.11	94.89			
gp2		2	0.00	5.54	94.46			
gp3		2	0.00	6.15	93.85			
ind1		4	1.04	0.35	1.13	9.52	87.97	
ind2		4	0.78	0.35	1.65	9.00	88.23	
ind3		4	1.73	0.17	1.65	10.56	85.89	
se1		2	0.78	2.25	96.97			
se2		2	0.69	1.90	97.40			
se3		2	0.61	1.90	97.49			
sk1		4	1.04	0.09	0.52	6.23	92.12	
sk2		4	0.78	0.09	0.78	6.23	92.12	
sk3	4	1.73	0.17	1.04	5.63	91.43		
8	comp1	5	0.00	0.00	2.68	96.88	0.36	0.09
	comp2	5	0.00	0.00	3.21	96.52	0.27	0.00
	gp1	2	0.00	5.89	94.11			
	gp2	2	0.00	7.14	92.86			
	ind1	4	0.00	0.63	0.89	9.29	89.20	
	ind2	4	0.00	0.54	2.14	10.45	86.88	
	se1	2	2.95	2.41	94.64			
	se2	2	2.59	2.32	95.09			
	sk1	4	0.00	0.09	0.89	6.88	92.14	
	sk2	4	0.00	0.27	1.07	5.63	93.04	
HS	comp1	5	0.00	0.00	3.39	95.65	0.12	0.85
	comp2	5	0.00	0.00	3.99	95.65	0.00	0.36
	comp3	5	0.00	0.00	4.35	94.80	0.73	0.12
	gp1	2	0.00	7.74	92.26			
	gp2	2	0.00	8.22	91.78			
	gp3	2	0.00	7.74	92.26			
	ind1	4	1.93	0.97	1.69	11.85	83.56	
	ind2	4	2.78	1.33	2.66	12.45	80.77	
	ind3	4	3.02	0.97	2.78	13.42	79.81	
	se1	2	1.93	2.42	95.65			
se2	2	1.81	2.54	95.65				

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
	se3	2	1.81	3.14	95.04			
	sk1	4	1.93	0.73	1.09	9.07	87.18	
	sk2	4	2.78	1.45	0.97	10.52	84.28	
	sk3	4	3.02	1.33	1.45	8.71	85.49	

COMP=level of complexity; IND=independence; SK=demonstration of skills and concepts;  
GP=generalized performance; SE=self-evaluation.

**Table F-9. 2010 MCAS-Alt: Item-Level Score Distributions for Constructed-Response Items – Mathematics**

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
3	comp1	5	0.00	0.00	4.30	95.05	0.32	0.32
	comp2	5	0.00	0.00	3.49	95.78	0.41	0.32
	comp3	5						
	comp5	5						
	gp1	2	0.00	8.60	91.40			
	gp2	2	0.00	6.57	93.43			
	gp3	2						
	gp5	2						
	ind1	4	0.00	0.24	0.81	7.95	90.99	
	ind2	4	0.00	0.41	0.81	7.87	90.91	
	ind3	4						
	ind5	4						
	se1	2	0.97	2.84	96.19			
	se2	2	0.89	3.25	95.86			
	se3	2						
	se5	2						
	sk1	4	0.00	0.24	1.14	5.60	93.02	
	sk2	4	0.00	0.16	1.22	5.68	92.94	
	sk3	4						
	sk5	4						
4	comp1	5	0.00	0.00	3.95	95.31	0.52	0.22
	comp2	5						
	comp3	5						
	comp5	5	0.00	0.00	3.73	95.38	0.67	0.22
	gp1	2	0.00	5.89	94.11			
	gp2	2						
	gp3	2						
	gp5	2	0.00	5.14	94.86			
	ind1	4	0.00	0.22	1.49	9.17	89.12	
	ind2	4						
	ind3	4						
	ind5	4	0.00	0.15	1.56	10.28	88.00	
	se1	2	0.82	2.31	96.87			
	se2	2						
	se3	2						
	se5	2	0.97	2.16	96.87			



Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
5	sk1	4	0.00	0.22	0.75	5.22	93.82	
	sk2	4						
	sk3	4						
	sk5	4	0.00	0.15	0.45	5.29	94.11	
	comp1	5	0.00	0.00	2.59	95.61	1.57	0.24
	comp3	5						
	comp4	5	0.00	0.00	2.90	95.38	1.57	0.16
	gp1	2	0.00	8.70	91.30			
	gp3	2						
	gp4	2	0.00	7.52	92.48			
	ind1	4	0.00	0.24	1.80	7.29	90.67	
	ind3	4						
	ind4	4	0.00	0.47	1.57	7.99	89.97	
	se1	2	0.86	2.04	97.10			
	se3	2						
	se4	2	0.86	2.51	96.63			
	sk1	4	0.00	0.08	0.94	5.02	93.97	
	sk3	4						
	sk4	4	0.00	0.00	0.71	5.33	93.97	
	6	comp1	5	0.00	0.00	2.86	94.29	2.78
comp2		5	0.00	0.00	2.46	94.76	2.70	0.08
gp1		2	0.00	10.71	89.29			
gp2		2	0.00	9.84	90.16			
ind1		4	0.00	0.16	1.27	7.38	91.19	
ind2		4	0.00	0.40	1.11	8.17	90.32	
se1		2	0.71	1.90	97.38			
se2		2	0.95	1.90	97.14			
sk1		4	0.00	0.08	0.95	6.11	92.86	
sk2		4	0.00	0.08	0.71	6.35	92.86	
7	comp1	5	0.00	0.00	3.56	95.45	0.83	0.17
	comp2	5						
	comp3	5						
	comp5	5	0.00	0.00	3.48	95.36	0.83	0.33
	gp1	2	0.00	6.13	93.87			
	gp2	2						
	gp3	2						
	gp5	2	0.00	5.55	94.45			
	ind1	4	0.00	0.33	1.57	7.12	90.98	
	ind2	4						
	ind3	4						
	ind5	4	0.00	0.33	2.40	9.44	87.83	
	se1	2	0.50	2.15	97.35			
	se2	2						
	se3	2						
	se5	2	0.58	1.57	97.85			
	sk1	4	0.00	0.08	0.66	6.29	92.96	
sk2	4							
sk3	4							
sk5	4	0.00	0.08	1.24	5.96	92.72		

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
8	comp1	5	0.00	0.00	2.95	94.75	1.80	0.49
	comp2	5						
	comp3	5	0.00	0.00	3.11	94.51	1.97	0.41
	comp5	5						
	gp1	2	0.00	8.36	91.64			
	gp2	2						
	gp3	2	0.00	4.92	95.08			
	gp5	2						
	ind1	4	0.00	0.66	1.39	9.10	88.85	
	ind2	4						
	ind3	4	0.00	0.49	1.15	7.62	90.74	
	ind5	4						
	se1	2	2.05	1.97	95.98			
	se2	2						
	se3	2	2.30	1.64	96.07			
	se5	2						
	sk1	4	0.00	0.33	0.74	7.05	91.89	
	sk2	4						
sk3	4	0.00	0.16	0.98	6.64	92.21		
sk5	4							
HS	comp1	5	0.00	0.00	2.92	95.14	0.97	0.97
	comp2	5	0.00	0.00	3.02	93.97	1.29	1.72
	comp3	5	0.00	0.00	4.15	92.86	1.15	1.84
	comp4	5	0.00	0.00	2.60	94.36	1.30	1.74
	comp5	5	0.00	0.00	3.23	94.96	1.41	0.40
	gp1	2	0.00	11.25	88.75			
	gp2	2	0.00	12.28	87.72			
	gp3	2	0.00	9.68	90.32			
	gp4	2	0.00	7.59	92.41			
	gp5	2	0.00	5.65	94.35			
	ind1	4	2.50	0.14	2.50	10.83	84.03	
	ind2	4	4.53	0.86	2.37	9.48	82.76	
	ind3	4	4.84	1.15	3.00	11.75	79.26	
	ind4	4	7.16	1.30	2.17	10.20	79.18	
	ind5	4	4.44	0.81	3.02	14.52	77.22	
	se1	2	2.50	2.92	94.58			
	se2	2	3.88	3.66	92.46			
	se3	2	3.92	4.15	91.94			
	se4	2	0.87	3.47	95.66			
	se5	2	2.22	2.22	95.56			
	sk1	4	2.50	0.83	3.19	5.97	87.50	
sk2	4	4.53	1.72	1.72	7.11	84.91		
sk3	4	4.84	1.38	2.53	11.98	79.26		
sk4	4	7.16	1.52	2.39	7.38	81.56		
sk5	4	4.44	2.22	1.01	5.85	86.49		

COMP=level of complexity; IND=independence; SK=demonstration of skills and concepts; GP=generalized performance; SE=self-evaluation.

**Table F-10. 2010 MCAS-Alt: Item-Level Score Distributions for Constructed-Response Items – Science and Technology/Engineering**

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
5	comp1	5	0.00	0.00	3.06	95.66	1.28	0.00
	comp2	5	0.00	0.00	3.36	95.56	0.99	0.10
	comp3	5	0.00	0.00	2.52	96.11	1.26	0.11
	comp4	5	0.00	0.00	4.77	94.96	0.27	0.00
	gp1	2	0.00	5.73	94.27			
	gp2	2	0.00	5.03	94.97			
	gp3	2	0.00	4.35	95.65			
	gp4	2	0.00	5.84	94.16			
	ind1	4	1.38	0.39	1.38	8.00	88.85	
	ind2	4	1.48	0.49	1.09	7.01	89.93	
	ind3	4	1.83	0.11	1.60	8.01	88.44	
	ind4	4	1.86	0.27	2.12	7.43	88.33	
	se1	2	1.18	2.47	96.35			
	se2	2	1.38	2.27	96.35			
	se3	2	1.37	2.97	95.65			
	se4	2	1.59	2.65	95.76			
	sk1	4	1.38	0.00	0.39	4.34	93.88	
	sk2	4	1.48	0.00	0.10	4.54	93.88	
	sk3	4	1.83	0.00	0.46	5.95	91.76	
	sk4	4	1.86	0.00	0.53	6.63	90.98	
8	comp1	5	0.00	0.00	2.59	96.98	0.43	0.00
	comp2	5	0.00	0.00	3.90	95.70	0.30	0.10
	comp3	5	0.00	0.00	3.89	95.69	0.28	0.14
	comp4	5	0.00	0.00	5.25	94.55	0.19	0.00
	gp1	2	0.00	3.24	96.76			
	gp2	2	0.00	3.90	96.10			
	gp3	2	0.00	4.58	95.42			
	gp4	2	0.00	5.06	94.94			
	ind1	4	0.86	0.32	1.40	10.03	87.38	
	ind2	4	1.90	0.80	1.40	8.10	87.80	
	ind3	4	1.11	0.83	0.97	6.25	90.83	
	ind4	4	2.14	0.97	2.14	12.26	82.49	
	se1	2	2.48	1.62	95.90			
	se2	2	3.10	1.90	95.00			
	se3	2	1.81	2.08	96.11			
	se4	2	4.28	1.95	93.77			
	sk1	4	0.86	0.00	1.29	5.18	92.66	
	sk2	4	1.90	0.30	0.70	5.40	91.70	
	sk3	4	1.11	0.28	0.97	6.25	91.39	
	sk4	4	2.14	0.19	1.17	8.75	87.74	

COMP=level of complexity; IND=independence; SK=demonstration of skills and concepts; GP=generalized performance; SE=self-evaluation.

**Table F-11. 2010 MCAS-Alt: Item-Level Score Distributions for Constructed-Response Items – High School Biology**

<i>Item Number</i>	<i>Total Possible Points</i>	<i>Percent of Students at Score Point</i>					
		<i>0</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
comp1	5	0.00	0.00	3.76	95.13	1.11	0.00
comp2	5	0.00	0.00	3.89	94.99	1.11	0.00
comp3	5	0.00	0.00	3.76	95.13	1.11	0.00
comp4	5						
gp1	2	0.00	5.15	94.85			
gp2	2	0.00	5.01	94.99			
gp3	2	0.00	5.01	94.99			
gp4	2						
ind1	4	3.34	0.83	3.48	11.68	80.67	
ind2	4	2.92	0.83	3.34	12.10	80.81	
ind3	4	3.76	0.56	3.89	11.82	79.97	
ind4	4						
se1	2	2.78	3.06	94.16			
se2	2	2.64	2.78	94.58			
se3	2	3.48	2.92	93.60			
se4	2						
sk1	4	3.34	0.83	2.09	8.62	85.12	
sk2	4	2.92	0.70	1.67	8.07	86.65	
sk3	4	3.76	0.83	1.81	7.79	85.81	
sk4	4						

COMP=level of complexity; IND=independence; SK=demonstration of skills and concepts; GP=generalized performance; SE=self-evaluation.

**Table F-12. 2010 MCAS-Alt: Item-Level Score Distributions for Constructed-Response Items – High School Chemistry**

<i>Item Number</i>	<i>Total Possible Points</i>	<i>Percent of Students at Score Point</i>					
		<i>0</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
comp1	5	0.00	0.00	4.41	91.18	1.47	2.94
comp2	5	0.00	0.00	2.94	92.65	1.47	2.94
comp3	5	0.00	0.00	7.35	88.24	1.47	2.94
comp4	5						
gp1	2	0.00	4.41	95.59			
gp2	2	0.00	8.82	91.18			
gp3	2	0.00	7.35	92.65			
gp4	2						
ind1	4	2.94	1.47	1.47	7.35	86.76	
ind2	4	1.47	0.00	2.94	11.76	83.82	
ind3	4	1.47	1.47	0.00	11.76	85.29	
ind4	4						
se1	2	1.47	1.47	97.06			
se2	2	1.47	0.00	98.53			
se3	2	1.47	0.00	98.53			
se4	2						
sk1	4	2.94	0.00	1.47	7.35	88.24	
sk2	4	1.47	0.00	1.47	8.82	88.24	
sk3	4	1.47	0.00	1.47	10.29	86.76	
sk4	4						

COMP=level of complexity; IND=independence; SK=demonstration of skills and concepts; GP=generalized performance; SE=self-evaluation.

**Table F-13. 2010 MCAS-Alt: Item-Level Score Distributions for Constructed-Response Items – High School Introductory Physics**

<i>Item Number</i>	<i>Total Possible Points</i>	<i>Percent of Students at Score Point</i>					
		<i>0</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
comp1	5	0.00	0.00	14.81	77.78	7.41	0.00
comp2	5	0.00	0.00	14.81	77.78	7.41	0.00
comp3	5	0.00	0.00	14.81	77.78	7.41	0.00
comp4	5						
gp1	2	0.00	5.56	94.44			
gp2	2	0.00	1.85	98.15			
gp3	2	0.00	1.85	98.15			
gp4	2						
ind1	4	0.00	0.00	7.41	18.52	74.07	
ind2	4	3.70	1.85	7.41	14.81	72.22	
ind3	4	1.85	1.85	9.26	7.41	79.63	
ind4	4						
se1	2	1.85	1.85	96.30			
se2	2	1.85	3.70	94.44			
se3	2	1.85	1.85	96.30			
se4	2						
sk1	4	0.00	0.00	5.56	14.81	79.63	
sk2	4	3.70	0.00	5.56	7.41	83.33	
sk3	4	1.85	0.00	5.56	9.26	83.33	
sk4	4						

COMP=level of complexity; IND=independence; SK=demonstration of skills and concepts; GP=generalized performance; SE=self-evaluation.

**Table F-14. 2010 MCAS-Alt: Item-Level Score Distributions for Constructed-Response Items – High School Technology/Engineering**

Item Number	Total Possible Points	Percent of Students at Score Point					
		0	1	2	3	4	5
comp1	5	0.00	0.00	15.07	83.56	1.37	0.00
comp2	5	0.00	0.00	13.70	84.93	1.37	0.00
comp3	5	0.00	0.00	13.70	84.93	1.37	0.00
comp4	5						
gp1	2	0.00	24.66	75.34			
gp2	2	0.00	27.40	72.60			
gp3	2	0.00	31.51	68.49			
gp4	2						
ind1	4	2.74	2.74	2.74	9.59	82.19	
ind2	4	2.74	0.00	6.85	16.44	73.97	
ind3	4	0.00	1.37	8.22	16.44	73.97	
ind4	4						
se1	2	4.11	13.70	82.19			
se2	2	4.11	15.07	80.82			
se3	2	1.37	16.44	82.19			
se4	2						
sk1	4	2.74	0.00	1.37	12.33	83.56	
sk2	4	2.74	0.00	5.48	8.22	83.56	
sk3	4	0.00	0.00	4.11	4.11	91.78	
sk4	4						

COMP=level of complexity; IND=independence; SK=demonstration of skills and concepts; GP=generalized performance; SE=self-evaluation.