

# **APPENDIX F**

## **ITEM-LEVEL SCORE DISTRIBUTIONS**



**Table F-1. 2013 MCAS: Item-Level Score Distributions for SR and OR Items and WPs – ELA**

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	265953	2	2.74	72.84	24.15													
	276979	4	5.60	30.19	40.55	20.93	2.50											
	286598	2	12.93	57.09	29.68													
	286599	2	15.12	47.02	37.43													
	296952	2	4.20	41.05	54.16													
4	285443	4	3.50	30.44	46.12	16.91	2.45											
	291326	4	8.36	33.17	35.36	17.71	5.10											
	297788	4	10.13	31.60	37.20	16.68	4.25											
	298623	4	2.05	18.18	48.87	26.54	4.12											
	299646C	8	1.15		0.11	0.35	12.65	9.08	33.23	14.04	29.39							
299646T	12	1.15		0.89	1.03	10.47	7.51	32.41	11.01	23.64	6.47	4.75	0.55	0.13				
5	276290	4	8.15	31.54	42.58	13.38	3.85											
	291620	4	2.81	13.72	47.74	29.17	6.42											
	296745	4	4.13	15.42	36.39	31.88	12.03											
	298405	4	3.20	17.59	45.04	27.39	6.48											
	277458	4	3.09	12.57	44.18	32.26	7.54											
6	286541	4	1.28	6.28	29.35	47.92	15.07											
	297918	4	2.13	14.94	35.69	38.45	8.66											
	298553	4	6.93	24.20	41.72	21.95	4.70											
	279229	4	1.90	6.21	29.63	49.73	12.42											
	286385	4	2.15	16.17	45.85	30.32	5.13											
7	292155	4	3.91	17.08	42.35	30.49	5.77											
	292207	4	1.86	10.97	37.68	41.39	7.93											
	299669C	8	0.74		0.10	0.20	8.12	6.71	33.80	17.42	32.92							
	299669T	12	0.74		0.66	0.55	7.48	6.43	32.74	16.07	25.62	6.36	3.10	0.14	0.11			
	271501	4	2.23	11.40	32.68	38.40	14.67											
8	283753	4	1.62	8.88	27.98	40.11	21.20											
	285914	4	3.26	12.66	32.24	34.56	16.80											
	297338	4	2.95	10.72	32.75	41.20	12.18											

continued

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			
10	287089	4	1.64	7.16	27.83	43.36	19.38											
	293557	4	1.33	7.95	29.55	42.28	18.42											
	296592	4	1.27	6.46	30.96	45.12	15.99											
	298808	4	1.02	4.89	18.04	49.94	25.97											
	305208C	8	1.28		0.04	0.04	2.96	3.06	22.70	16.70	53.22							
	305208T	12	1.28		0.25	0.19	2.86	3.14	21.71	15.43	39.24	10.15	5.38	0.21	0.16			

**Table F-2. 2013 MCAS: Item-Level Score Distributions for SR and OR Items – Mathematics**

Grade	Item Number	Total Possible Points	Percent of Students at Score Point				
			0	1	2	3	4
3	207827	1	29.14	70.46			
	207955	2	23.56	10.47	65.64		
	264572	2	22.50	25.08	52.11		
	281997	1	20.26	79.53			
	285972	2	12.56	22.21	65.09		
	287136	2	8.96	34.55	56.30		
	287152	1	78.99	20.59			
	293510	1	20.32	79.46			
	297407	1	12.90	86.74			
	297453	1	15.34	84.41			
4	219073	1	51.52	48.20			
	227864	1	17.63	82.17			
	250313	4	26.04	21.77	19.69	20.00	12.18
	258212	1	31.09	68.58			
	272227	4	8.49	22.20	32.23	23.48	13.25
	293519	1	14.82	84.85			
	293719	1	33.58	65.92			
	297615	4	14.87	33.26	20.75	12.64	18.23
	297617	4	17.68	22.48	23.55	21.92	14.03
297623	1	32.07	67.58				
5	207523	1	36.51	63.18			
	249114	1	22.65	77.08			
	260839	1	41.69	57.71			
	261989	4	25.01	19.32	4.33	31.39	19.65
	287421	1	14.00	85.83			
	293831	1	10.89	88.92			
	296353	4	9.69	30.04	16.05	17.45	26.46
	298005	4	6.00	7.15	47.99	14.53	23.99
	298016	1	27.76	71.96			
298019	4	16.81	19.74	16.12	19.15	27.90	
6	217619	1	43.16	56.35			
	248904	1	39.14	60.54			
	251350	4	18.07	21.58	5.64	24.66	29.71
	273841	4	5.60	11.67	2.36	56.43	23.76
	282278	1	26.05	73.27			
	289758	1	64.88	34.23			
	298250	4	4.62	7.06	6.65	32.60	48.87
	298255	1	59.75	39.69			
	298287	4	8.86	14.44	4.63	40.18	31.57
	299672	1	14.97	84.75			
7	205420	1	43.92	55.21			
	219511	1	13.87	85.64			
	219536	1	23.50	76.06			
	228042	4	25.40	24.26	2.28	18.45	28.08
	259293	4	12.33	21.97	15.40	25.20	23.75

continued

Grade	Item Number	Total Possible Points	Percent of Students at Score Point				
			0	1	2	3	4
7	261081	4	4.36	10.31	17.50	23.44	44.04
	281696	1	14.41	85.07			
	295742	1	46.50	53.04			
	298185	4	7.09	12.78	20.30	40.23	19.20
	298193	1	11.20	88.25			
8	219701	1	36.63	62.54			
	228175	4	9.60	31.57	8.87	13.99	33.47
	265348	1	24.36	74.79			
	284769	4	7.44	18.46	10.74	24.65	38.26
	296114	1	23.75	75.41			
	297645	4	28.66	26.87	2.57	18.84	22.36
	297651	1	40.25	58.18			
	297664	1	48.62	50.11			
	298054	4	8.85	35.30	25.56	18.12	11.28
299554	1	19.59	79.79				
10	254560	1	39.14	60.13			
	279302	1	25.36	73.61			
	288045	4	4.98	11.92	17.93	18.08	46.15
	288090	4	3.80	8.52	17.48	25.84	43.95
	294025	1	20.21	78.27			
	294026	1	52.92	46.62			
	294030	4	20.82	19.06	16.61	23.37	19.39
	294335	4	5.31	10.07	55.74	20.21	7.12
	296368	4	11.47	10.31	16.11	48.55	11.82
296369	4	2.67	14.89	8.14	19.17	54.55	

**Table F-3. 2013 MCAS: Item-Level Score Distributions for SR and OR Items – STE**

Grade	Item Number	Total Possible Points	Percent of Students at Score Point				
			0	1	2	3	4
5	273773	4	11.38	12.67	15.00	33.30	27.43
	288159	4	16.85	40.88	11.03	17.91	13.07
	288853	4	7.25	31.85	31.69	19.39	9.45
	291642	4	16.11	21.06	19.64	25.74	17.30
8	273986	4	23.00	30.91	21.08	15.82	7.99
	282059	4	12.03	20.79	29.40	23.35	13.35
	292022	4	8.96	25.69	11.86	28.15	24.42
	299004	4	13.25	15.36	25.03	27.61	18.02

**Table F-4. 2013 MCAS: Item-Level Score Distributions for SR and OR Items – High School Biology**

Item Number	Total Possible Points	Percent of Students at Score Point				
		0	1	2	3	4
289132	4	10.41	16.80	38.80	18.85	13.55
290009	4	10.94	18.97	25.07	34.03	9.97
294798	4	10.06	15.41	19.58	24.51	28.53
295308	4	5.34	9.00	24.45	33.54	26.30
296805	4	15.15	46.37	25.95	7.39	3.14

**Table F-5. 2013 MCAS: Item-Level Score Distributions for SR and OR Items – High School Chemistry**

Item Number	Total Possible Points	Percent of Students at Score Point				
		0	1	2	3	4
260794	4	19.30	23.93	24.63	23.67	7.07
272994	4	8.12	30.92	29.69	23.76	6.29
273070	4	13.28	18.34	10.22	20.17	36.42
274045	4	2.53	14.76	19.74	50.39	11.27
294716	4	18.43	19.13	38.08	19.21	4.19

**Table F-6. 2013 MCAS: Item-Level Score Distributions for SR and OR Items – High School Introductory Physics**

Item Number	Total Possible Points	Percent of Students at Score Point				
		0	1	2	3	4
280977	4	22.76	20.65	21.40	24.65	8.59
287066	4	14.28	28.21	18.48	17.09	19.19
287330	4	6.37	16.30	25.32	31.04	19.10
287358	4	17.30	25.45	28.22	18.51	7.46
295871	4	23.40	25.89	32.10	11.57	3.43

**Table F-7. 2013 MCAS: Item-Level Score Distributions for SR and OR Items – High School Technology/Engineering**

Item Number	Total Possible Points	Percent of Students at Score Point				
		0	1	2	3	4
260817	4	21.52	32.95	23.26	13.29	4.75
268441	4	17.52	42.29	16.14	9.41	13.33
274622	4	17.64	38.88	30.10	10.52	1.11
294424	4	3.16	12.54	28.24	29.43	26.27
296472	4	16.14	36.63	25.51	13.45	6.13

**Table F-8. 2013 MCAS-Alt: Item-Level Score Distributions for OR Items – ELA**

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	2.64	97.18	0.09	0.09
	comp2	5	0.00	0.00	4.19	95.63	0.09	0.09
	comp3	5						
	gp1	2	0.00	12.19	87.81			
	gp2	2	0.00	18.84	81.16			
	gp3	2						
	ind1	4	0.00	0.18	1.18	7.73	90.90	
	ind2	4	0.00	0.18	1.36	10.65	87.81	
	ind3	4						
	se1	2	0.91	3.37	95.72			
	se2	2	1.00	3.55	95.45			
	se3	2						
	sk1	4	0.00	0.00	0.45	6.64	92.90	
	sk2	4	0.00	0.00	0.45	7.19	92.36	
	sk3	4						
4	comp1	5	0.00	0.00	1.35	98.43	0.15	0.07
	comp2	5	0.00	0.00	2.70	97.08	0.15	0.07
	comp3	5	0.00	0.00	1.72	98.13	0.07	0.07
	gp1	2	0.00	12.29	87.71			
	gp2	2	0.00	17.47	82.53			
	gp3	2	0.00	21.96	78.04			
	ind1	4	2.17	0.07	0.60	6.60	90.55	
	ind2	4	2.55	0.45	1.27	8.10	87.63	
	ind3	4	3.22	0.52	0.75	9.37	86.13	
	se1	2	0.75	3.82	95.43			
	se2	2	0.75	3.97	95.28			
	se3	2	0.52	3.97	95.50			
	sk1	4	2.17	0.07	0.60	5.55	91.60	
	sk2	4	2.55	0.07	0.67	6.07	90.63	
	sk3	4	3.22	0.15	0.97	4.65	91.00	
5	comp1	5	0.00	0.00	2.81	97.19	0.00	0.00
	comp2	5	0.00	0.00	3.86	96.14	0.00	0.00
	gp1	2	0.00	14.15	85.85			
	gp2	2	0.00	16.64	83.36			
	ind1	4	0.00	0.16	1.21	6.91	91.72	
	ind2	4	0.00	0.16	2.09	8.28	89.47	
	se1	2	1.45	3.62	94.94			
	se2	2	1.45	3.62	94.94			
	sk1	4	0.00	0.00	1.05	5.63	93.33	
	sk2	4	0.00	0.08	0.72	5.63	93.57	
6	comp1	5	0.00	0.00	2.86	96.97	0.09	0.09
	comp2	5	0.00	0.00	3.47	96.36	0.09	0.09
	gp1	2	0.00	14.38	85.62			
	gp2	2	0.00	18.11	81.89			
	ind1	4	0.00	0.09	0.87	7.89	91.16	
	ind2	4	0.00	0.35	1.73	8.75	89.17	

continued



Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
6	se1	2	1.13	3.03	95.84			
	se2	2	1.30	3.29	95.41			
	sk1	4	0.00	0.17	0.78	6.07	92.98	
	sk2	4	0.00	0.00	1.04	5.63	93.33	
7	comp1	5	0.00	0.00	2.47	97.19	0.34	0.00
	comp2	5	0.00	0.00	3.74	96.00	0.26	0.00
	comp3	5	0.00	0.00	3.32	96.34	0.34	0.00
	gp1	2	0.00	14.71	85.29			
	gp2	2	0.00	20.83	79.17			
	gp3	2	0.00	24.49	75.51			
	ind1	4	2.13	0.09	1.19	7.23	89.37	
	ind2	4	4.42	0.09	1.70	7.74	86.05	
	ind3	4	2.72	0.17	1.45	8.16	87.50	
	se1	2	1.02	4.00	94.98			
	se2	2	1.19	3.49	95.32			
	se3	2	1.02	3.40	95.58			
	sk1	4	2.13	0.26	1.11	5.70	90.82	
	sk2	4	4.42	0.26	0.77	6.72	87.84	
	sk3	4	2.72	0.17	0.68	7.40	89.03	
	8	comp1	5	0.00	0.00	3.12	96.66	0.22
comp2		5	0.00	0.00	3.66	96.23	0.11	0.00
gp1		2	0.00	11.30	88.70			
gp2		2	0.00	16.36	83.64			
ind1		4	0.00	0.11	1.61	8.40	89.88	
ind2		4	0.00	0.43	2.37	9.04	88.16	
se1		2	0.97	3.01	96.02			
se2		2	1.18	2.58	96.23			
sk1		4	0.00	0.00	0.65	6.67	92.68	
sk2		4	0.00	0.00	0.75	7.00	92.25	
10	comp1	5	0.00	0.00	3.38	96.37	0.13	0.13
	comp2	5	0.00	0.00	4.76	95.12	0.13	0.00
	comp3	5	0.00	0.00	4.01	95.99	0.00	0.00
	gp1	2	0.00	12.14	87.86			
	gp2	2	0.00	15.64	84.36			
	gp3	2	0.00	17.15	82.85			
	ind1	4	5.51	0.38	2.13	9.64	82.35	
	ind2	4	3.00	0.38	2.00	9.89	84.73	
	ind3	4	5.51	0.38	2.75	12.39	78.97	
	se1	2	1.00	4.26	94.74			
	se2	2	1.38	3.75	94.87			
	se3	2	0.75	5.01	94.24			
	sk1	4	5.51	0.00	1.38	8.26	84.86	
	sk2	4	3.00	0.00	1.75	9.89	85.36	
	sk3	4	5.51	0.25	0.88	9.39	83.98	

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

**Table F-9. 2013 MCAS-Alt: Item-Level Score Distributions for OR 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	4.37	95.53	0.10	0.00
	comp5	5	0.00	0.00	3.71	96.20	0.10	0.00
	gp1	2	0.00	15.59	84.41			
	gp5	2	0.00	14.73	85.27			
	ind1	4	0.00	0.38	1.43	9.70	88.50	
	ind5	4	0.00	0.57	0.95	8.94	89.54	
	se1	2	1.05	3.52	95.44			
	se5	2	1.05	3.04	95.91			
	sk1	4	0.00	0.19	0.76	5.23	93.82	
	sk5	4	0.00	0.10	0.67	6.27	92.97	
4	comp1	5	0.00	0.00	2.25	97.59	0.16	0.00
	comp3	5	0.00	0.00	2.17	97.75	0.08	0.00
	gp1	2	0.00	16.16	83.84			
	gp3	2	0.00	11.98	88.02			
	ind1	4	0.00	0.64	1.53	8.04	89.79	
	ind3	4	0.00	0.24	1.53	7.15	91.08	
	se1	2	0.72	3.14	96.14			
	se3	2	0.72	3.22	96.06			
	sk1	4	0.00	0.16	0.40	5.95	93.49	
	sk3	4	0.00	0.00	0.88	5.63	93.49	
5	comp2	5	0.00	0.00	3.69	96.31	0.00	0.00
	comp3	5	0.00	0.00	3.23	96.77	0.00	0.00
	gp2	2	0.00	15.14	84.86			
	gp3	2	0.00	12.68	87.32			
	ilnd2	4	0.00	0.46	1.77	8.61	89.16	
	ind3	4	0.00	0.23	2.15	8.22	89.39	
	se2	2	1.00	3.38	95.62			
	se3	2	1.31	3.15	95.54			
	sk2	4	0.00	0.08	1.08	6.84	92.01	
	sk3	4	0.00	0.15	0.85	5.23	93.77	
6	comp1	5	0.00	0.00	4.64	94.75	0.09	0.52
	comp2	5	0.00	0.00	4.11	95.28	0.17	0.44
	comp3	5						
	comp4	5						
	gp1	2	0.00	14.87	85.13			
	gp2	2	0.00	15.22	84.78			
	gp3	2						
	gp4	2						
	ind1	4	0.00	0.44	2.19	9.01	88.36	
	ind2	4	0.00	0.44	1.31	8.31	89.94	
	ind3	4						
	ind4	4						
	se1	2	1.22	3.32	95.45			
	se2	2	1.05	3.67	95.28			
	se3	2						
se4	2							

continued

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
6	sk1	4	0.00	0.00	0.79	6.56	92.65	
	sk2	4	0.00	0.09	0.61	6.21	93.09	
	sk3	4						
	sk4	4						
7	comp1	5	0.00	0.00	4.69	94.96	0.17	0.17
	comp2	5						
	comp4	5	0.00	0.00	3.04	96.61	0.26	0.09
	gp1	2	0.00	14.42	85.58			
	gp2	2						
	gp4	2	0.00	13.90	86.10			
	ind1	4	0.00	0.43	1.56	8.25	89.75	
	ind2	4						
	ind4	4	0.00	0.35	1.56	6.78	91.31	
	se1	2	0.78	3.30	95.92			
	se2	2						
	se4	2	0.78	3.65	95.57			
	sk1	4	0.00	0.26	0.70	6.26	92.79	
	sk2	4						
sk4	4	0.00	0.09	0.70	5.56	93.66		
8	comp2	5	0.00	0.00	4.10	95.80	0.00	0.10
	comp3	5						
	comp4	5	0.00	0.00	2.97	96.93	0.00	0.10
	gp2	2	0.00	11.99	88.01			
	gp3	2						
	gp4	2	0.00	8.71	91.29			
	ind2	4	0.00	0.41	1.33	10.35	87.91	
	ind3	4						
	ind4	4	0.00	0.10	1.43	8.61	89.86	
	se2	2	0.92	3.38	95.70			
	se3	2						
	se4	2	0.61	3.48	95.90			
	sk2	4	0.00	0.00	0.72	6.66	92.62	
	sk3	4						
sk4	4	0.00	0.10	0.51	4.71	94.67		
10	comp1	5	0.00	0.00	4.03	95.25	0.43	0.29
	comp2	5	0.00	0.00	3.40	95.33	1.06	0.21
	comp3	5	0.00	0.00	4.61	94.08	0.88	0.44
	comp4	5	0.00	0.00	3.00	95.75	0.75	0.50
	comp5	5	0.00	0.00	2.00	96.75	1.00	0.25
	gp1	2	0.00	13.24	86.76			
	gp2	2	0.00	14.86	85.14			
	gp3	2	0.00	9.65	90.35			
	gp4	2	0.00	11.00	89.00			
	gp5	2	0.00	7.75	92.25			
	ind1	4	4.03	0.72	2.45	9.21	83.60	
	ind2	4	4.03	0.64	2.12	13.80	79.41	
	ind3	4	4.17	0.66	2.19	10.09	82.89	
	ind4	4	5.75	0.25	3.00	13.75	77.25	

continued

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
10	ind5	4	7.25	0.50	1.50	11.75	79.00	
	se1	2	0.86	3.60	95.54			
	se2	2	1.06	3.61	95.33			
	se3	2	0.44	3.29	96.27			
	se4	2	1.50	5.25	93.25			
	se5	2	1.25	2.50	96.25			
	sk1	4	4.03	0.00	0.72	9.35	85.90	
	sk2	4	4.03	0.00	0.64	10.62	84.71	
	sk3	4	4.17	0.00	0.88	8.55	86.40	
	sk4	4	5.75	0.00	1.25	12.25	80.75	
	sk5	4	7.25	0.00	0.50	7.25	85.00	

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

**Table F-10. 2013 MCAS-Alt: Item-Level Score Distributions for OR Items – STE**

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	3.66	96.34	0.00	0.00
	comp2	5	0.00	0.00	3.39	96.24	0.37	0.00
	comp3	5	0.00	0.00	3.48	96.41	0.11	0.00
	comp4	5	0.00	0.00	3.21	96.58	0.21	0.00
	gp1	2	0.00	12.01	87.99			
	gp2	2	0.00	9.17	90.83			
	gp3	2	0.00	9.50	90.50			
	gp4	2	0.00	5.34	94.66			
	ind1	4	3.10	0.47	2.06	6.94	87.43	
	ind2	4	4.13	0.46	0.92	7.43	87.06	
	ind3	4	2.43	0.42	2.01	5.81	89.33	
	ind4	4	3.85	0.21	1.28	5.56	89.10	
	se1	2	1.31	3.85	94.84			
	se2	2	1.56	3.76	94.68			
	se3	2	1.69	4.44	93.88			
	se4	2	1.71	3.42	94.87			
	sk1	4	3.10	0.00	1.31	5.53	90.06	
	sk2	4	4.13	0.00	1.19	4.22	90.46	
	sk3	4	2.43	0.11	1.37	4.86	91.24	
	sk4	4	3.85	0.00	0.43	3.42	92.31	
8	comp1	5	0.00	0.00	3.10	96.90	0.00	0.00
	comp2	5	0.00	0.00	3.09	96.91	0.00	0.00
	comp3	5	0.00	0.00	2.53	97.47	0.00	0.00
	comp4	5	0.00	0.00	4.04	95.96	0.00	0.00
	gp1	2	0.00	8.30	91.70			
	gp2	2	0.00	7.37	92.63			
	gp3	2	0.00	7.60	92.40			
	gp4	2	0.00	7.85	92.15			
	ind1	4	4.34	0.12	1.73	6.20	87.61	

continued

Grade	Item Number	Total Possible Points	Percent of Students at Score Point					
			0	1	2	3	4	5
8	ind2	4	5.71	0.12	1.43	6.06	86.68	
	ind3	4	4.47	0.00	1.79	7.15	86.59	
	ind4	4	4.71	0.67	0.90	8.07	85.65	
	se1	2	0.74	3.22	96.03			
	se2	2	0.59	3.69	95.72			
	se3	2	0.75	2.98	96.27			
	se4	2	0.45	4.48	95.07			
	sk1	4	4.34	0.00	0.50	5.82	89.34	
	sk2	4	5.71	0.00	0.83	6.42	87.04	
	sk3	4	4.47	0.00	0.45	4.47	90.61	
	sk4	4	4.71	0.00	0.67	6.95	87.67	

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

**Table F-11. 2013 MCAS-Alt: Item-Level Score Distributions for OR Items – High School Biology**

Item Number	Total Possible Points	Percent of Students at Score Point					
		0	1	2	3	4	5
comp1	5	0.00	0.00	2.54	96.61	0.85	0.00
comp2	5	0.00	0.00	2.37	96.45	1.18	0.00
comp3	5	0.00	0.00	2.54	96.78	0.68	0.00
comp4	5						
gp1	2	0.00	7.63	92.37			
gp2	2	0.00	8.12	91.88			
gp3	2	0.00	8.14	91.86			
gp4	2						
ind1	4	4.07	0.00	2.20	8.31	85.42	
ind2	4	3.55	0.00	2.71	8.80	84.94	
ind3	4	5.42	0.34	1.53	9.66	83.05	
ind4	4						
se1	2	1.36	2.71	95.93			
se2	2	0.34	2.88	96.79			
se3	2	0.68	3.05	96.27			
se4	2						
sk1	4	4.07	0.34	0.34	8.81	86.44	
sk2	4	3.55	0.00	0.51	8.80	87.14	
sk3	4	5.42	0.00	1.02	7.63	85.93	
sk4	4						

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

**Table F-12. 2013 MCAS-Alt: Item-Level Score Distributions for OR Items – High School Chemistry**

Item Number	Total Possible Points	Percent of Students at Score Point					
		0	1	2	3	4	5
comp1	5	0.00	0.00	0.00	100.00	0.00	0.00
comp2	5	0.00	0.00	0.00	100.00	0.00	0.00
comp3	5	0.00	0.00	0.00	100.00	0.00	0.00
gp1	2	0.00	2.17	97.83			
gp2	2	0.00	2.17	97.83			
gp3	2	0.00	6.52	93.48			
ind1	4	4.35	0.00	2.17	8.70	84.78	
ind2	4	0.00	0.00	0.00	15.22	84.78	
ind3	4	2.17	0.00	2.17	15.22	80.43	
se1	2	0.00	4.35	95.65			
se2	2	0.00	4.35	95.65			
se3	2	0.00	4.35	95.65			
sk1	4	4.35	0.00	2.17	10.87	82.61	
sk2	4	0.00	0.00	2.17	4.35	93.48	
sk3	4	2.17	0.00	2.17	8.70	86.96	

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

**Table F-13. 2013 MCAS-Alt: Item-Level Score Distributions for OR Items – High School Introductory Physics**

Item Number	Total Possible Points	Percent of Students at Score Point					
		0	1	2	3	4	5
comp1	5	0.00	0.00	5.36	82.14	0.00	12.50
comp2	5	0.00	0.00	5.36	82.14	0.00	12.50
comp3	5	0.00	0.00	5.36	82.14	0.00	12.50
comp4	5						
gp1	2	0.00	14.29	85.71			
gp2	2	0.00	14.29	85.71			
gp3	2	0.00	12.50	87.50			
gp4	2						
ind1	4	5.36	0.00	0.00	12.50	82.14	
ind2	4	5.36	0.00	1.79	7.14	85.71	
ind3	4	5.36	0.00	3.57	5.36	85.71	
ind4	4						
se1	2	0.00	3.57	96.43			
se2	2	0.00	5.36	94.64			
se3	2	0.00	5.36	94.64			
se4	2						
sk1	4	5.36	0.00	1.79	12.50	80.36	
sk2	4	5.36	0.00	0.00	3.57	91.07	
sk3	4	5.36	0.00	0.00	16.07	78.57	
sk4	4						

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

**Table F-14. 2013 MCAS-Alt: Item-Level Score Distributions for OR Items – High School Technology/Engineering**

<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	8.20	91.80	0.00	0.00
comp2	5	0.00	0.00	8.20	91.80	0.00	0.00
comp3	5	0.00	0.00	8.20	91.80	0.00	0.00
gp1	2	0.00	19.67	80.33			
gp2	2	0.00	16.39	83.61			
gp3	2	0.00	19.67	80.33			
ind1	4	3.28	1.64	6.56	8.20	80.33	
ind2	4	4.92	3.28	8.20	6.56	77.05	
ind3	4	1.64	3.28	8.20	6.56	80.33	
se1	2	0.00	9.84	90.16			
se2	2	0.00	13.11	86.89			
se3	2	0.00	11.48	88.52			
sk1	4	3.28	0.00	4.92	13.11	78.69	
sk2	4	4.92	0.00	3.28	4.92	86.89	
sk3	4	1.64	0.00	0.00	13.11	85.25	

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