

APPENDIX L

Achievement Level Score Distributions

**Table L-1. 2013 MCAS: Achievement Level Distributions
by Grade – ELA**

Grade	Achievement Level	Percent in Level		
		2013	2012	2011
3	Advanced	11.62	15.47	10.88
	Proficient	44.89	45.96	50.09
	Needs Improvement	35.52	29.65	30.19
	Warning	7.97	8.92	8.84
4	Advanced	10.43	12.76	9.65
	Proficient	42.93	43.97	43.06
	Needs Improvement	33.25	29.70	35.34
	Warning	13.39	13.57	11.95
5	Advanced	18.29	16.63	16.94
	Proficient	47.28	44.09	49.86
	Needs Improvement	24.44	28.13	24.34
	Warning	9.99	11.14	8.85
6	Advanced	15.85	18.41	17.41
	Proficient	50.95	48.38	51.36
	Needs Improvement	23.19	22.36	22.55
	Warning	10.02	10.85	8.68
7	Advanced	12.17	15.24	14.47
	Proficient	59.48	56.26	58.91
	Needs Improvement	21.51	21.05	20.55
	Warning	6.84	7.46	6.07
8	Advanced	19.87	17.85	20.14
	Proficient	58.12	62.51	59.04
	Needs Improvement	14.54	13.90	14.57
	Warning	7.47	5.74	6.25
10	Advanced	44.81	37.40	32.91
	Proficient	46.36	50.97	51.28
	Needs Improvement	6.54	9.08	12.55
	Warning	2.30	2.55	3.26

**Table L-2. 2013 MCAS: Achievement Level Distributions
by Grade – Mathematics**

Grade	Achievement Level	Percent in Level		
		2013	2012	2011
3	Advanced	30.59	26.92	13.50
	Proficient	35.82	33.74	51.67
	Needs Improvement	22.45	24.92	24.90
	Warning	11.14	14.43	9.94
4	Advanced	18.26	15.94	15.11
	Proficient	33.65	35.43	32.19
	Needs Improvement	38.17	36.24	41.73
	Warning	9.91	12.39	10.97
5	Advanced	28.41	25.13	24.69
	Proficient	32.54	31.65	34.44

continued

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2013</i>	<i>2012</i>	<i>2011</i>
5	Needs Improvement	24.94	26.17	25.54
	Warning	14.12	17.05	15.33
6	Advanced	25.38	27.37	26.31
	Proficient	35.45	33.00	32.41
	Needs Improvement	23.71	24.11	25.07
	Warning	15.46	15.52	16.21
7	Advanced	19.38	20.43	19.22
	Proficient	32.54	31.03	31.60
	Needs Improvement	26.77	30.20	27.47
	Warning	21.31	18.34	21.71
8	Advanced	22.42	22.27	23.41
	Proficient	32.30	30.30	28.69
	Needs Improvement	25.05	28.18	26.61
	Warning	20.24	19.25	21.30
10	Advanced	54.55	50.33	48.45
	Proficient	25.21	28.05	28.55
	Needs Improvement	12.79	14.68	16.15
	Warning	7.45	6.93	6.85

Table L-3. 2013 MCAS: Achievement Level Distributions by Grade – STE

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2013</i>	<i>2012</i>	<i>2011</i>
5	Advanced	19.81	21.52	13.84
	Proficient	31.33	30.19	35.73
	Needs Improvement	36.40	33.94	35.70
	Warning	12.45	14.35	14.72
8	Advanced	3.92	4.78	4.35
	Proficient	35.43	37.58	34.82
	Needs Improvement	42.69	37.63	42.26
	Warning	17.96	20.02	18.58

Table L-4. 2013 MCAS: Achievement Level Distributions – High School Biology

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2013</i>	<i>2012</i>	<i>2011</i>
Advanced	29.28	24.16	20.24
Proficient	42.12	44.75	46.89
Needs Improvement	21.49	24.35	25.11
Warning	7.12	6.73	7.77

Table L-5. 2013 MCAS: Achievement Level Distributions – High School Chemistry

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2013</i>	<i>2012</i>	<i>2011</i>
Advanced	27.84	25.48	21.89
Proficient	33.50	31.02	27.27
Needs Improvement	20.14	23.95	24.45
Warning	18.52	19.55	26.39

Table L-6. 2013 MCAS: Achievement Level Distributions – High School Introductory Physics

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2013</i>	<i>2012</i>	<i>2011</i>
Advanced	23.60	23.48	19.08
Proficient	42.14	42.47	44.54
Needs Improvement	28.52	31.09	33.30
Warning	5.74	2.96	3.08

Table L-7. 2013 MCAS: Achievement Level Distributions – High School Technology/Engineering

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2013</i>	<i>2012</i>	<i>2011</i>
Advanced	8.48	7.16	4.14
Proficient	44.18	43.18	44.21
Needs Improvement	33.47	35.98	39.64
Warning	13.87	13.68	12.01

Table L-8. 2013 MCAS-Alt: Achievement Level Distributions by Grade – ELA

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2013</i>	<i>2012</i>	<i>2011</i>
3	11	0.08	0.24	0.00
	10	85.86	85.83	86.15
	9	5.52	4.80	5.60
	8	0.50	0.63	0.93
	7	8.03	8.50	7.32
4	11	0.07	0.07	0.00
	10	85.36	84.35	86.36
	9	9.83	9.83	9.05
	8	0.50	0.93	0.49
	7	4.24	4.81	4.10
5	11	0.00	0.00	0.00
	10	83.42	84.67	87.18
	9	4.81	4.88	5.52
	8	1.08	0.91	0.85
	7	10.70	9.55	6.44

continued

Grade	Achievement Level	Percent in Level		
		2013	2012	2011
6	11	0.00	0.00	0.00
	10	83.59	83.72	83.68
	9	4.24	4.52	5.63
	8	1.08	0.96	1.11
	7	11.09	10.81	9.59
7	11	0.00	0.00	0.00
	10	81.57	75.67	85.56
	9	12.10	15.38	10.10
	8	0.64	0.17	0.67
	7	5.69	8.78	3.67
8	11	0.00	0.00	0.00
	10	77.60	80.73	83.43
	9	4.93	4.09	5.18
	8	1.08	1.09	0.51
	7	16.40	14.09	10.88
10	13	0.00	0.00	0.00
	12	0.21	0.00	0.11
	11	0.10	0.00	0.11
	10	70.67	65.06	64.33
	9	16.82	19.63	19.11
	8	0.92	1.06	0.53
	7	11.28	14.24	15.82

Table L-9. 2013 MCAS-Alt: Achievement Level Distributions by Grade – Mathematics

Grade	Achievement Level	Percent in Level		
		2013	2012	2011
3	11	0.00	0.24	0.00
	10	83.85	84.39	85.95
	9	5.13	4.70	5.26
	8	1.03	0.72	1.26
	7	10.00	9.95	7.54
4	11	0.00	0.07	0.07
	10	85.60	83.45	82.55
	9	4.31	5.66	5.63
	8	1.02	1.15	1.20
	7	9.06	9.67	10.56
5	11	0.00	0.07	0.07
	10	84.58	85.67	87.65
	9	5.47	3.86	4.45
	8	1.19	1.10	1.06
	7	8.76	9.30	6.77
6	11	0.23	0.29	0.37
	10	78.66	83.69	83.99
	9	5.86	4.55	4.52
	8	1.13	0.94	1.11
	7	14.12	10.53	10.01

continued

Grade	Achievement Level	Percent in Level		
		2013	2012	2011
7	11	0.08	0.40	0.08
	10	82.80	75.79	84.74
	9	5.27	4.37	4.21
	8	1.24	1.19	0.56
	7	10.61	18.25	10.41
8	11	0.00	0.00	0.48
	10	79.56	81.62	84.54
	9	4.89	3.68	3.95
	8	0.87	1.20	1.29
	7	14.67	13.50	9.74
10	13	0.00	0.00	0.00
	12	0.51	0.00	0.00
	11	0.71	0.00	0.00
	10	71.22	62.36	59.98
	9	16.33	19.68	20.48
	7	1.02	1.05	0.53
	7	10.20	16.92	19.01

Table L-10. 2013 MCAS-Alt: Achievement Level Distributions by Grade – STE

Grade	Achievement Level	Percent in Level		
		2013	2012	2011
5	11	0.00	0.00	0.08
	10	78.94	81.95	81.21
	9	13.23	11.43	11.94
	8	0.86	0.39	0.97
	7	6.97	6.23	5.81
8	11	0.00	0.00	0.09
	10	71.33	72.00	77.39
	9	16.19	15.60	11.31
	8	0.57	0.87	0.64
	7	11.90	11.53	10.57

Table L-11. 2013 MCAS-Alt: Achievement Level Distributions – High School Biology

Achievement Level	Percent in Level		
	2013	2012	2011
13	0.00	0.00	0.00
12	0.00	0.00	0.00
11	0.00	0.00	0.00
10	70.18	59.27	56.48
9	14.19	15.26	15.75
8	0.13	0.63	0.40
7	15.49	24.84	27.37

**Table L-12. 2013 MCAS-Alt: Achievement Level Distributions –
High School Chemistry**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2013</i>	<i>2012</i>	<i>2011</i>
13	0.00	0.00	0.00
12	0.00	0.00	0.00
11	5.63	0.00	0.00
10	60.56	56.67	62.82
9	8.45	15.00	12.82
8	1.41	0.00	1.28
7	23.94	28.33	23.08

**Table L-13. 2013 MCAS-Alt: Achievement Level Distributions –
High School Introductory Physics**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2013</i>	<i>2012</i>	<i>2011</i>
13	0.00	0.00	0.00
12	2.50	0.00	0.00
11	3.75	0.00	0.00
10	57.50	61.73	70.00
9	20.00	23.46	14.29
8	0.00	7.41	1.43
7	16.25	7.41	14.29

**Table L-14. 2013 MCAS-Alt: Achievement Level Distributions –
High School Technology/Engineering**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2013</i>	<i>2012</i>	<i>2011</i>
13	0.00	0.00	0.00
12	0.00	0.00	0.00
11	0.00	0.00	0.00
10	60.24	61.86	46.07
9	14.46	19.59	20.22
8	4.82	3.09	0.00
7	20.48	15.46	33.71