

APPENDIX L

Achievement Level Score Distributions

**Table L-1. 2014 MCAS: Achievement Level Distributions
by Grade – ELA**

Grade	Achievement Level	Percent in Level		
		2014	2013	2012
3	Advanced	12.07	11.82	15.47
	Proficient	46.38	45.65	45.96
	Needs Improvement	33.20	36.15	29.65
	Warning	8.35	6.38	8.92
4	Advanced	13.51	10.63	12.76
	Proficient	41.35	43.78	43.97
	Needs Improvement	33.76	33.94	29.70
	Warning	11.38	11.64	13.57
5	Advanced	18.43	18.65	16.63
	Proficient	46.67	48.22	44.09
	Needs Improvement	26.79	24.96	28.13
	Warning	8.11	8.18	11.14
6	Advanced	16.71	16.13	18.41
	Proficient	52.49	51.88	48.38
	Needs Improvement	23.19	23.64	22.36
	Warning	7.61	8.35	10.85
7	Advanced	11.52	12.37	15.24
	Proficient	61.73	60.50	56.26
	Needs Improvement	21.19	21.94	21.05
	Warning	5.56	5.18	7.46
8	Advanced	13.92	20.16	17.85
	Proficient	65.99	58.99	62.51
	Needs Improvement	13.97	14.84	13.90
	Warning	6.12	6.01	5.74
10	Advanced	41.15	44.62	37.40
	Proficient	48.96	46.93	50.97
	Needs Improvement	8.34	7.36	9.08
	Warning	1.55	1.09	2.55

**Table L-2. 2014 MCAS: Achievement Level Distributions
by Grade – Mathematics**

Grade	Achievement Level	Percent in Level		
		2014	2013	2012
3	Advanced	31.07	31.07	26.92
	Proficient	38.29	36.41	33.74
	Needs Improvement	21.46	22.91	24.92
	Warning	9.17	9.61	14.43
4	Advanced	20.40	18.60	15.94
	Proficient	32.67	34.27	35.43
	Needs Improvement	37.05	39.02	36.24
	Warning	9.88	8.11	12.39
5	Advanced	30.86	28.98	25.13
	Proficient	31.01	33.19	31.65

continued

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2014</i>	<i>2013</i>	<i>2012</i>
5	Needs Improvement	24.62	25.50	26.17
	Warning	13.51	12.33	17.05
6	Advanced	29.59	25.84	27.37
	Proficient	31.39	36.12	33.00
	Needs Improvement	25.89	24.20	24.11
	Warning	13.13	13.84	15.52
7	Advanced	17.54	19.72	20.43
	Proficient	33.32	33.14	31.03
	Needs Improvement	26.65	27.29	30.20
	Warning	22.48	19.85	18.34
8	Advanced	19.18	22.77	22.27
	Proficient	33.37	32.81	30.30
	Needs Improvement	29.36	25.51	28.18
	Warning	18.10	18.91	19.25
10	Advanced	53.02	54.63	50.33
	Proficient	25.69	25.46	28.05
	Needs Improvement	15.24	13.31	14.68
	Warning	6.05	6.60	6.93

Table L-3. 2014 MCAS: Achievement Level Distributions by Grade – STE

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2014</i>	<i>2013</i>	<i>2012</i>
5	Advanced	19.93	20.15	21.52
	Proficient	33.91	31.89	30.19
	Needs Improvement	34.87	37.14	33.94
	Warning	11.28	10.83	14.35
8	Advanced	4.13	3.98	4.78
	Proficient	38.05	35.94	37.58
	Needs Improvement	41.26	43.36	37.63
	Warning	16.55	16.73	20.02

Table L-4. 2014 MCAS: Achievement Level Distributions – High School Biology

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2014</i>	<i>2013</i>	<i>2012</i>
Advanced	27.17	28.22	24.16
Proficient	39.95	38.85	44.75
Needs Improvement	21.63	21.93	24.35
Warning	11.25	11.00	6.73

**Table L-5. 2014 MCAS: Achievement Level Distributions –
High School Chemistry**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2014</i>	<i>2013</i>	<i>2012</i>
Advanced	30.21	22.60	25.48
Proficient	30.49	31.70	31.02
Needs Improvement	18.55	22.72	23.95
Warning	20.75	22.97	19.55

**Table L-6. 2014 MCAS: Achievement Level Distributions –
High School Introductory Physics**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2014</i>	<i>2013</i>	<i>2012</i>
Advanced	23.94	24.30	23.48
Proficient	39.54	37.21	42.47
Needs Improvement	26.28	28.16	31.09
Warning	10.25	10.33	2.96

**Table L-7. 2014 MCAS: Achievement Level Distributions –
High School Technology/Engineering**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2014</i>	<i>2013</i>	<i>2012</i>
Advanced	6.63	7.70	7.16
Proficient	41.78	38.82	43.18
Needs Improvement	35.81	32.45	35.98
Warning	15.78	21.04	13.68

**Table L-8. 2014 MCAS-Alt: Achievement Level Distributions
by Grade – ELA**

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2014</i>	<i>2013</i>	<i>2012</i>
3	11	0.08	0.08	0.24
	10	75.39	85.86	85.83
	9	5.82	5.52	4.80
	8	1.15	0.50	0.63
	7	17.56	8.03	8.50
4	11	0.08	0.07	0.07
	10	72.19	85.36	84.35
	9	20.03	9.83	9.83
	8	0.47	0.50	0.93
	7	7.23	4.24	4.81
5	11	0.00	0.00	0.00
	10	72.82	83.42	84.67
	9	3.79	4.81	4.88
	8	1.44	1.08	0.91
	7	21.95	10.70	9.55

continued

Grade	Achievement Level	Percent in Level		
		2014	2013	2012
6	11	0.00	0.00	0.00
	10	62.50	83.59	83.72
	9	4.09	4.24	4.52
	8	3.40	1.08	0.96
	7	30.02	11.09	10.81
7	11	0.00	0.00	0.00
	10	60.12	81.57	75.67
	9	29.35	12.10	15.38
	8	2.59	0.64	0.17
	7	7.94	5.69	8.78
8	11	0.09	0.00	0.00
	10	57.98	77.60	80.73
	9	3.39	4.93	4.09
	8	2.32	1.08	1.09
	7	36.22	16.40	14.09
10	13	0.10	0.00	0.00
	12	0.00	0.21	0.00
	11	0.00	0.10	0.00
	10	54.67	70.67	65.06
	9	22.30	16.82	19.63
	8	0.83	0.92	1.06
	7	22.10	11.28	14.24

Table L-9. 2014 MCAS-Alt: Achievement Level Distributions by Grade – Mathematics

Grade	Achievement Level	Percent in Level		
		2014	2013	2012
3	11	0.00	0.00	0.24
	10	81.62	83.85	84.39
	9	6.56	5.13	4.70
	8	1.15	1.03	0.72
	7	10.66	10.00	9.95
4	11	0.00	0.00	0.07
	10	83.73	85.60	83.45
	9	6.33	4.31	5.66
	8	0.80	1.02	1.15
	7	9.13	9.06	9.67
5	11	0.00	0.00	0.07
	10	80.73	84.58	85.67
	9	4.52	5.47	3.86
	8	1.56	1.19	1.10
	7	13.19	8.76	9.30
6	11	0.00	0.23	0.29
	10	74.83	78.66	83.69
	9	6.05	5.86	4.55
	8	4.18	1.13	0.94
	7	14.94	14.12	10.53

continued

Grade	Achievement Level	Percent in Level		
		2014	2013	2012
7	11	0.00	0.08	0.40
	10	76.73	82.80	75.79
	9	6.37	5.27	4.37
	8	2.87	1.24	1.19
	7	14.02	10.61	18.25
8	11	0.00	0.00	0.00
	10	70.83	79.56	81.62
	9	6.75	4.89	3.68
	8	2.95	0.87	1.20
	7	19.48	14.67	13.50
10	13	0.00	0.00	0.00
	12	0.10	0.51	0.00
	11	0.20	0.71	0.00
	10	63.84	71.22	62.36
	9	17.16	16.33	19.68
	7	0.92	1.02	1.05
	7	17.77	10.20	16.92

Table L-10. 2014 MCAS-Alt: Achievement Level Distributions by Grade – STE

Grade	Achievement Level	Percent in Level		
		2014	2013	2012
5	11	0.00	0.00	0.00
	10	71.13	78.94	81.95
	9	15.05	13.23	11.43
	8	1.32	0.86	0.39
	7	12.49	6.97	6.23
8	11	0.00	0.00	0.00
	10	65.58	71.33	72.00
	9	15.80	16.19	15.60
	8	2.45	0.57	0.87
	7	16.17	11.90	11.53

Table L-11. 2014 MCAS-Alt: Achievement Level Distributions – High School Biology

Achievement Level	Percent in Level		
	2014	2013	2012
13	0.00	0.00	0.00
12	0.00	0.00	0.00
11	0.00	0.00	0.00
10	57.04	70.18	59.27
9	16.77	14.19	15.26
8	1.10	0.13	0.63
7	25.09	15.49	24.84

**Table L-12. 2014 MCAS-Alt: Achievement Level Distributions –
High School Chemistry**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2014</i>	<i>2013</i>	<i>2012</i>
13	0.00	0.00	0.00
12	0.00	0.00	0.00
11	8.93	5.63	0.00
10	57.14	60.56	56.67
9	14.29	8.45	15.00
8	1.79	1.41	0.00
7	17.86	23.94	28.33

**Table L-13. 2014 MCAS-Alt: Achievement Level Distributions –
High School Introductory Physics**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2014</i>	<i>2013</i>	<i>2012</i>
13	0.00	0.00	0.00
12	3.33	2.50	0.00
11	1.67	3.75	0.00
10	55.00	57.50	61.73
9	23.33	20.00	23.46
8	0.00	0.00	7.41
7	16.67	16.25	7.41

**Table L-14. 2014 MCAS-Alt: Achievement Level Distributions –
High School Technology/Engineering**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2014</i>	<i>2013</i>	<i>2012</i>
13	0.00	0.00	0.00
12	0.00	0.00	0.00
11	0.00	0.00	0.00
10	57.14	60.24	61.86
9	25.40	14.46	19.59
8	0.00	4.82	3.09
7	17.46	20.48	15.46