

# Appendix L

## ACHIEVEMENT LEVEL SCORE DISTRIBUTIONS

**Table L-1. 2012 MCAS: Achievement Level Distributions by Grade – ELA**

Grade	Achievement Level	Percent in Level		
		2012	2011	2010
3	Advanced	15.47	10.88	14.33
	Proficient	45.96	50.09	48.53
	Needs Improvement	29.65	30.19	29.55
	Warning	8.92	8.84	7.59
4	Advanced	12.76	9.65	10.90
	Proficient	43.97	43.06	42.65
	Needs Improvement	29.70	35.34	34.74
	Warning	13.58	11.95	11.71
5	Advanced	16.63	16.94	16.24
	Proficient	44.09	49.86	46.58
	Needs Improvement	28.13	24.34	27.60
	Warning	11.14	8.85	9.58
6	Advanced	18.41	17.41	15.41
	Proficient	48.38	51.36	54.30
	Needs Improvement	22.36	22.55	21.29
	Warning	10.85	8.68	9.00
7	Advanced	15.24	14.47	11.02
	Proficient	56.26	58.91	61.24
	Needs Improvement	21.05	20.55	20.60
	Warning	7.46	6.07	7.14
8	Advanced	17.85	20.14	16.87
	Proficient	62.51	59.04	60.65
	Needs Improvement	13.90	14.57	15.66
	Warning	5.74	6.25	6.82
10	Advanced	37.41	32.91	25.29
	Proficient	50.97	51.28	52.03
	Needs Improvement	9.08	12.55	18.68
	Warning	2.55	3.26	4.00

**Table L-2. 2012 MCAS: Achievement Level Distributions by Grade – Mathematics**

Grade	Achievement Level	Percent in Level		
		2012	2011	2010
3	Advanced	26.92	13.50	25.41
	Proficient	33.74	51.67	39.77
	Needs Improvement	24.92	24.90	24.05
	Warning	14.43	9.94	10.77
4	Advanced	15.94	15.11	15.93
	Proficient	35.43	32.19	31.85
	Needs Improvement	36.24	41.73	41.25
	Warning	12.39	10.97	10.97

continued

Grade	Achievement Level	Percent in Level		
		2012	2011	2010
5	Advanced	25.13	24.69	24.73
	Proficient	31.65	34.44	29.88
	Needs Improvement	26.17	25.54	28.45
	Warning	17.05	15.33	16.93
6	Advanced	27.37	26.31	26.82
	Proficient	33.00	32.41	32.18
	Needs Improvement	24.11	25.07	24.78
	Warning	15.52	16.21	16.22
7	Advanced	20.43	19.22	14.06
	Proficient	31.03	31.60	39.29
	Needs Improvement	30.20	27.47	27.17
	Warning	18.34	21.71	19.48
8	Advanced	22.27	23.41	22.19
	Proficient	30.30	28.69	29.33
	Needs Improvement	28.18	26.61	27.55
	Warning	19.25	21.30	20.94
10	Advanced	50.34	48.45	48.96
	Proficient	28.05	28.55	25.22
	Needs Improvement	14.68	16.15	18.27
	Warning	6.93	6.85	7.56

**Table L-3. 2012 MCAS: Achievement Level Distributions by Grade – STE**

Grade	Achievement Level	Percent in Level		
		2012	2011	2010
5	Advanced	21.52	13.84	14.85
	Proficient	30.19	35.73	38.10
	Needs Improvement	33.94	35.70	35.64
	Warning	14.35	14.72	11.40
8	Advanced	4.77	4.35	3.79
	Proficient	37.58	34.82	35.88
	Needs Improvement	37.63	42.26	41.47
	Warning	20.02	18.58	18.85

**Table L-4. 2012 MCAS: Achievement Level Distributions – High School Biology**

Achievement Level	Percent in Level		
	2012	2011	2010
Advanced	24.20	20.24	18.16
Proficient	44.78	46.89	46.78
Needs Improvement	24.27	25.11	25.07
Warning	6.74	7.77	9.99

**Table L-5. 2012 MCAS: Achievement Level Distributions – High School Chemistry**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2012</i>	<i>2011</i>	<i>2010</i>
Advanced	25.54	21.89	22.36
Proficient	31.10	27.27	25.91
Needs Improvement	23.73	24.45	25.41
Warning	19.64	26.39	26.31

**Table L-6. 2012 MCAS: Achievement Level Distributions – High School Introductory Physics**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2012</i>	<i>2011</i>	<i>2010</i>
Advanced	23.50	19.08	18.03
Proficient	42.52	44.54	41.90
Needs Improvement	31.01	33.30	31.22
Warning	2.97	3.08	8.85

**Table L-7. 2012 MCAS: Achievement Level Distributions – High School Technology/Engineering**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2012</i>	<i>2011</i>	<i>2010</i>
Advanced	7.16	4.14	4.66
Proficient	43.18	44.21	45.51
Needs Improvement	35.98	39.64	37.22
Warning	13.68	12.01	12.61

**Table L-8. 2012 MCAS-Alt: Achievement Level Distributions by Grade – ELA**

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2012</i>	<i>2011</i>	<i>2010</i>
3	Needs Improvement	0.23	0.00	0.00
	Progressing	85.22	85.70	85.55
	Emerging	4.98	5.60	5.96
	Awareness	0.61	1.06	1.04
	Incomplete	8.96	7.64	7.45
4	Needs Improvement	0.07	0.00	0.00
	Progressing	83.92	85.63	86.95
	Emerging	10.07	9.28	6.93
	Awareness	1.05	0.55	0.67
	Incomplete	4.90	4.54	5.45
5	Needs Improvement	0.00	0.00	0.15
	Progressing	84.60	86.48	86.36
	Emerging	4.88	5.83	4.35
	Awareness	0.95	0.96	0.80
	Incomplete	9.57	6.73	8.35

continued

Grade	Achievement Level	Percent in Level		
		2012	2011	2010
6	Needs Improvement	0.00	0.00	0.15
	Progressing	83.49	83.38	90.05
	Emerging	4.47	5.77	3.86
	Awareness	1.01	1.15	1.16
	Incomplete	11.03	9.69	4.78
7	Needs Improvement	0.00	0.00	0.16
	Progressing	75.26	85.10	86.71
	Emerging	15.44	10.61	7.80
	Awareness	0.16	0.73	0.72
	Incomplete	9.14	3.56	4.61
8	Needs Improvement	0.00	0.00	0.00
	Progressing	80.23	83.07	87.34
	Emerging	4.15	5.18	4.35
	Awareness	1.06	0.49	1.58
	Incomplete	14.56	11.26	6.72
10	Advanced	0.00	0.00	0.00
	Proficient	0.00	0.10	0.10
	Needs Improvement	0.00	0.10	0.00
	Progressing	64.46	63.83	72.31
	Emerging	20.00	19.47	12.12
	Awareness	0.98	0.49	1.15
	Incomplete	14.55	16.01	14.33

**Table L-9. 2012 MCAS-Alt: Achievement Level Distributions by Grade – Mathematics**

Grade	Achievement Level	Percent in Level		
		2012	2011	2010
3	Needs Improvement	0.23	0.00	0.15
	Progressing	84.22	85.56	88.10
	Emerging	4.56	5.27	6.10
	Awareness	0.70	1.38	1.12
	Incomplete	10.29	7.79	4.54
4	Needs Improvement	0.07	0.07	0.14
	Progressing	83.15	81.77	87.29
	Emerging	5.73	5.83	5.23
	Awareness	1.26	1.23	1.22
	Incomplete	9.79	11.10	6.12
5	Needs Improvement	0.07	0.07	0.14
	Progressing	85.41	87.09	87.07
	Emerging	3.82	4.58	4.54
	Awareness	1.14	1.09	1.26
	Incomplete	9.57	7.17	6.99
6	Needs Improvement	0.28	0.36	0.00
	Progressing	83.77	83.65	90.82
	Emerging	4.50	4.54	4.19

continued

Grade	Achievement Level	Percent in Level		
		2012	2011	2010
6	Awareness	0.91	1.15	1.25
	Incomplete	10.54	10.30	3.74
7	Needs Improvement	0.38	0.08	0.07
	Progressing	75.63	84.35	87.02
	Emerging	4.29	4.39	4.70
	Awareness	1.23	0.62	1.72
	Incomplete	18.47	10.56	6.49
8	Needs Improvement	0.00	0.55	0.30
	Progressing	81.34	84.11	88.78
	Emerging	3.63	4.05	4.06
	Awareness	1.24	1.32	1.25
	Incomplete	13.79	9.97	5.61
10	Advanced	0.00	0.00	0.00
	Proficient	0.00	0.00	0.09
	Needs Improvement	0.00	0.00	0.00
	Progressing	62.06	59.98	69.61
	Emerging	19.63	19.96	16.37
	Awareness	1.06	0.49	1.03
	Incomplete	17.25	19.57	12.89

**Table L-10. 2012 MCAS-Alt: Achievement Level Distributions by Grade – STE**

Grade	Achievement Level	Percent in Level		
		2012	2011	2010
5	Needs Improvement	0.00	0.08	0.00
	Progressing	82.03	80.64	82.62
	Emerging	11.37	12.18	8.29
	Awareness	0.46	1.01	0.48
	Incomplete	6.14	6.09	8.61
8	Needs Improvement	0.00	0.09	0.00
	Progressing	71.54	77.00	82.40
	Emerging	15.74	11.19	7.69
	Awareness	0.85	0.80	0.91
	Incomplete	11.88	10.92	9.01

**Table L-11. 2012 MCAS-Alt: Achievement Level Distributions – High School Biology**

Achievement Level	Percent in Level		
	2012	2011	2010
Advanced	0.00	0.00	0.00
Proficient	0.00	0.00	0.00
Needs Improvement	0.00	0.12	0.00
Progressing	58.39	56.01	69.82
Emerging	14.94	15.75	14.39
Awareness	0.57	0.60	2.58
Incomplete	26.09	27.52	13.21

**Table L-12. 2012 MCAS-Alt: Achievement Level Distributions – High School Chemistry**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2012</i>	<i>2011</i>	<i>2010</i>
Advanced	0.00	0.00	0.00
Proficient	0.00	0.00	2.00
Needs Improvement	0.00	1.12	0.00
Progressing	55.22	60.67	68.00
Emerging	16.42	14.61	9.00
Awareness	0.00	2.25	1.00
Incomplete	28.36	21.35	20.00

**Table L-13. 2012 MCAS-Alt: Achievement Level Distributions – High School Introductory Physics**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2012</i>	<i>2011</i>	<i>2010</i>
Advanced	0.00	0.00	0.00
Proficient	0.00	0.00	0.00
Needs Improvement	0.00	2.30	0.00
Progressing	62.22	67.82	62.20
Emerging	23.33	14.94	14.63
Awareness	6.67	1.15	7.32
Incomplete	7.78	13.79	15.85

**Table L-14. 2012 MCAS-Alt: Achievement Level Distributions – High School Technology/Engineering**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2012</i>	<i>2011</i>	<i>2010</i>
Advanced	0.00	0.00	0.00
Proficient	0.00	0.00	0.00
Needs Improvement	0.00	0.00	0.00
Progressing	62.96	44.79	63.64
Emerging	19.44	21.88	18.18
Awareness	2.78	0.00	4.04
Incomplete	14.81	33.33	14.14