

# **Appendix L**

## **PERFORMANCE-LEVEL SCORE DISTRIBUTIONS**

**Table L-1. 2011 MCAS: Performance-Level Distributions by Grade – ELA**

Grade	Performance Level	Percent in Level		
		2011	2010	2009
3	Advanced	10.88	14.33	12.32
	Proficient	50.09	48.53	45.24
	Needs Improvement	30.19	29.55	32.62
	Warning	8.84	7.59	9.82
4	Advanced	9.65	10.90	11.49
	Proficient	43.06	42.65	42.07
	Needs Improvement	35.34	34.74	34.98
	Warning	11.95	11.72	11.46
5	Advanced	16.94	16.24	15.09
	Proficient	49.86	46.58	47.80
	Needs Improvement	24.34	27.60	29.36
	Warning	8.85	9.58	7.75
6	Advanced	17.41	15.41	16.17
	Proficient	51.36	54.30	50.43
	Needs Improvement	22.55	21.29	24.47
	Warning	8.68	9.00	8.94
7	Advanced	14.47	11.02	13.90
	Proficient	58.91	61.23	56.04
	Needs Improvement	20.55	20.60	23.27
	Warning	6.07	7.14	6.79
8	Advanced	20.14	16.87	15.29
	Proficient	59.04	60.65	63.38
	Needs Improvement	14.57	15.66	15.23
	Warning	6.25	6.82	6.10
10	Advanced	32.91	25.95	28.82
	Proficient	51.28	52.39	51.61
	Needs Improvement	12.55	17.83	15.29
	Failing	3.26	3.83	4.29

**Table L-2. 2011 MCAS: Performance-Level Distributions by Grade – Mathematics**

Grade	Performance Level	Percent in Level		
		2011	2010	2009
3	Advanced	13.50	25.41	19.87
	Proficient	51.67	39.77	39.91
	Needs Improvement	24.90	24.05	25.47
	Warning	9.94	10.77	14.74
4	Advanced	15.11	15.94	15.52
	Proficient	32.19	31.85	32.40
	Needs Improvement	41.73	41.24	40.75
	Warning	10.97	10.96	11.34
5	Advanced	24.69	24.73	22.18
	Proficient	34.44	29.88	31.66
	Needs Improvement	25.54	28.46	28.60
	Warning	15.33	16.93	17.56
6	Advanced	26.31	26.82	23.77
	Proficient	32.41	32.18	32.92

continued

<i>Grade</i>	<i>Performance Level</i>	<i>Percent in Level</i>		
		<i>2011</i>	<i>2010</i>	<i>2009</i>
6	Needs Improvement	25.07	24.78	26.86
	Warning	16.21	16.22	16.45
7	Advanced	19.22	14.06	15.90
	Proficient	31.60	39.29	33.30
	Needs Improvement	27.47	27.17	29.58
	Warning	21.71	19.48	21.22
8	Advanced	23.41	22.19	20.48
	Proficient	28.69	29.33	28.48
	Needs Improvement	26.61	27.55	27.59
	Warning	21.30	20.94	23.46
10	Advanced	48.45	50.10	46.56
	Proficient	28.55	25.25	27.66
	Needs Improvement	16.15	17.40	18.10
	Failing	6.85	7.24	7.69

**Table L-3. 2011 MCAS: Performance-Level Distributions by Grade – STE**

<i>Grade</i>	<i>Performance Level</i>	<i>Percent in Level</i>		
		<i>2011</i>	<i>2010</i>	<i>2009</i>
5	Advanced	13.84	14.85	16.67
	Proficient	35.73	38.10	31.86
	Needs Improvement	35.70	35.64	39.14
	Warning	14.72	11.40	12.33
8	Advanced	4.35	3.79	4.22
	Proficient	34.82	35.88	34.96
	Needs Improvement	42.26	41.47	40.30
	Warning	18.58	18.85	20.51

**Table L-4. 2011 MCAS: Performance-Level Distributions – High School Biology**

<i>Performance Level</i>	<i>Percent in Level</i>		
	<i>2011</i>	<i>2010</i>	<i>2009</i>
Advanced	22.95	18.16	15.45
Proficient	45.91	46.78	45.76
Needs Improvement	23.28	25.07	24.31
Failing	7.86	9.99	14.48

**Table L-5. 2011 MCAS: Performance-Level Distributions – High School Chemistry**

<i>Performance Level</i>	<i>Percent in Level</i>		
	<i>2011</i>	<i>2010</i>	<i>2009</i>
Advanced	21.81	22.36	15.36
Proficient	27.06	25.91	21.48
Needs Improvement	25.04	25.41	21.37
Failing	26.08	26.31	41.79

**Table L-6. 2011 MCAS: Performance-Level Distributions – High School Introductory Physics**

<i>Performance Level</i>	<i>Percent in Level</i>		
	<i>2011</i>	<i>2010</i>	<i>2009</i>
Advanced	20.56	18.03	17.68
Proficient	41.64	41.90	39.41
Needs Improvement	30.48	31.22	27.59
Failing	7.32	8.85	15.32

**Table L-7. 2011 MCAS: Performance-Level Distributions – High School Technology/Engineering**

<i>Performance Level</i>	<i>Percent in Level</i>		
	<i>2011</i>	<i>2010</i>	<i>2009</i>
Advanced	5.81	4.66	5.52
Proficient	45.33	45.51	46.54
Needs Improvement	36.45	37.22	32.82
Failing	12.41	12.61	15.13

**Table L-8. 2011 MCAS-Alt: Performance-Level Distributions by Grade – ELA**

<i>Grade</i>	<i>Performance Level</i>	<i>Percent in Level</i>		
		<i>2011</i>	<i>2010</i>	<i>2009</i>
3	Needs Improvement	0.00	0.00	0.00
	Progressing	85.70	85.55	85.28
	Emerging	5.60	5.96	6.73
	Awareness	1.06	1.04	0.94
	Incomplete	7.64	7.45	7.05
4	Needs Improvement	0.00	0.00	0.08
	Progressing	85.63	86.95	83.81
	Emerging	9.28	6.93	11.65
	Awareness	0.55	0.67	0.53
	Incomplete	4.54	5.45	3.93
5	Needs Improvement	0.00	0.15	0.08
	Progressing	86.48	86.36	85.06
	Emerging	5.83	4.35	6.63
	Awareness	0.96	0.80	1.30
	Incomplete	6.73	8.35	6.94
6	Needs Improvement	0.00	0.15	0.00
	Progressing	83.38	90.05	85.43
	Emerging	5.77	3.86	6.32
	Awareness	1.15	1.16	1.70
	Incomplete	9.69	4.78	6.56
7	Needs Improvement	0.00	0.16	0.00
	Progressing	85.10	86.71	80.40
	Emerging	10.61	7.80	14.31
	Awareness	0.73	0.72	0.54
	Incomplete	3.56	4.61	4.74
8	Needs Improvement	0.00	0.00	0.00
	Progressing	83.07	87.34	84.19
	Emerging	5.18	4.35	7.16

continued

Grade	Performance Level	Percent in Level		
		2011	2010	2009
8	Awareness	0.49	1.58	1.33
	Incomplete	11.26	6.72	7.33
10	Advanced	0.00	0.00	0.00
	Proficient	0.10	0.10	0.10
	Needs Improvement	0.10	0.00	0.61
	Progressing	63.74	72.31	76.70
	Emerging	19.47	12.12	15.10
	Awareness	0.49	1.15	1.32
	Incomplete	16.11	14.33	6.18

**Table L-9. 2011 MCAS-Alt: Performance-Level Distributions by Grade – Mathematics**

Grade	Performance Level	Percent in Level		
		2011	2010	2009
3	Needs Improvement	0.00	0.15	0.00
	Progressing	85.56	88.10	84.42
	Emerging	5.27	6.10	5.89
	Awareness	1.38	1.12	1.29
	Incomplete	7.79	4.54	8.39
4	Needs Improvement	0.07	0.14	0.00
	Progressing	81.77	87.29	83.83
	Emerging	5.83	5.23	5.54
	Awareness	1.23	1.22	0.52
	Incomplete	11.10	6.12	10.10
5	Needs Improvement	0.07	0.14	0.08
	Progressing	87.09	87.07	86.34
	Emerging	4.58	4.54	4.95
	Awareness	1.09	1.26	1.28
	Incomplete	7.17	6.99	7.36
6	Needs Improvement	0.36	0.00	0.53
	Progressing	83.65	90.82	86.84
	Emerging	4.54	4.19	4.56
	Awareness	1.15	1.25	1.83
	Incomplete	10.30	3.74	6.24
7	Needs Improvement	0.08	0.07	0.07
	Progressing	84.35	87.02	84.41
	Emerging	4.39	4.70	5.10
	Awareness	0.62	1.72	1.85
	Incomplete	10.56	6.49	8.57
8	Needs Improvement	0.55	0.30	0.33
	Progressing	84.11	88.78	84.76
	Emerging	4.05	4.06	6.19
	Awareness	1.32	1.25	0.57
	Incomplete	9.97	5.61	8.15
10	Advanced	0.00	0.00	0.00
	Proficient	0.00	0.09	0.20
	Needs Improvement	0.00	0.00	0.50
	Progressing	59.98	69.61	69.63

continued

Grade	Performance Level	Percent in Level		
		2011	2010	2009
10	Emerging	19.96	16.37	17.88
	Awareness	0.49	1.03	1.10
	Incomplete	19.57	12.89	10.69

**Table L-10. 2011 MCAS-Alt: Performance-Level Distributions by Grade – STE**

Grade	Performance Level	Percent in Level		
		2011	2010	2009
5	Needs Improvement	0.08	0.00	0.08
	Progressing	80.64	82.62	83.09
	Emerging	12.18	8.29	9.13
	Awareness	1.01	0.48	0.85
	Incomplete	6.09	8.61	6.85
8	Needs Improvement	0.09	0.00	0.18
	Progressing	77.00	82.40	81.39
	Emerging	11.19	7.69	12.01
	Awareness	0.80	0.91	0.73
	Incomplete	10.92	9.01	5.68

**Table L-11. 2011 MCAS-Alt: Performance-Level Distributions – High School Biology**

Performance Level	Percent in Level		
	2011	2010	2009
Advanced	0.00	0.00	0.00
Proficient	0.00	0.00	0.24
Needs Improvement	0.12	0.00	0.96
Progressing	56.01	69.82	71.33
Emerging	15.75	14.39	15.18
Awareness	0.60	2.58	2.41
Incomplete	27.52	13.21	9.88

**Table L-12. 2011 MCAS-Alt: Performance-Level Distributions – High School Chemistry**

Performance Level	Percent in Level		
	2011	2010	2009
Advanced	0.00	0.00	0.00
Proficient	0.00	2.00	0.00
Needs Improvement	1.10	0.00	0.00
Progressing	60.44	68.00	77.00
Emerging	15.38	9.00	12.00
Awareness	2.20	1.00	4.00
Incomplete	20.88	20.00	7.00

**Table L-13. 2011 MCAS-Alt: Performance-Level Distributions – High School Introductory Physics**

<i>Performance Level</i>	<i>Percent in Level</i>		
	<i>2011</i>	<i>2010</i>	<i>2009</i>
Advanced	0.00	0.00	0.00
Proficient	0.00	0.00	0.00
Needs Improvement	2.30	0.00	12.28
Progressing	67.82	62.20	64.91
Emerging	14.94	14.63	14.04
Awareness	1.15	7.32	3.51
Incomplete	13.79	15.85	5.26

**Table L-14. 2011 MCAS-Alt: Performance-Level Distributions – High School Technology/Engineering**

<i>Performance Level</i>	<i>Percent in Level</i>		
	<i>2011</i>	<i>2010</i>	<i>2009</i>
Advanced	0.00	0.00	0.00
Proficient	0.00	0.00	0.00
Needs Improvement	0.00	0.00	0.00
Progressing	44.79	63.64	61.90
Emerging	21.88	18.18	17.86
Awareness	0.00	4.04	3.57
Incomplete	33.33	14.14	16.67