

**APPENDIX O**  
**ACHIEVEMENT-LEVEL SCORE DISTRIBUTIONS**

**Table O-1. Achievement-Level Distributions by Grade—ELA<sup>1</sup>**

Grade	Achievement Level	N <sup>3</sup>	Percent in Level			
			2022 <sup>4</sup>	2021	2019	2018
3	Not Meeting Expectations	8,615	14	9	7	6
	Partially Meeting Expectations	26,699	42	40	37	42
	Meeting Expectations	24,331	38	42	47	43
	Exceeding Expectations	4,102	6	10	10	9
4	Not Meeting Expectations	9,409	15	12	8	8
	Partially Meeting Expectations	29,798	46	38	40	39
	Meeting Expectations	22,379	35	43	43	44
	Exceeding Expectations	2,628	4	6	9	10
5	Not Meeting Expectations	7,775	12	11	7	6
	Partially Meeting Expectations	30,819	47	42	40	39
	Meeting Expectations	23,628	36	39	46	48
	Exceeding Expectations	3,237	5	8	7	7
6	Not Meeting Expectations	13,821	21	21	12	10
	Partially Meeting Expectations	24,219	37	31	34	38
	Meeting Expectations	22,186	34	35	41	41
	Exceeding Expectations	5,308	8	12	13	11
7	Not Meeting Expectations	12,285	18	19	12	14
	Partially Meeting Expectations	26,941	40	38	39	40
	Meeting Expectations	24,286	36	37	41	39
	Exceeding Expectations	3,647	5	6	9	8
8	Not Meeting Expectations	11,980	17	17	12	14
	Partially Meeting Expectations	28,018	40	42	35	34
	Meeting Expectations	24,820	36	35	41	42
	Exceeding Expectations	4,598	7	7	11	10
10 <sup>2</sup>	Not Meeting Expectations	4,675	7	8	7	--
	Partially Meeting Expectations	23,104	35	27	32	--
	Meeting Expectations	33,286	50	46	48	--
	Exceeding Expectations	5,895	9	20	14	--

<sup>1</sup> This table presents distributions from the standard MCAS ELA tests. Distributions from the MCAS-Alt assessment are displayed beginning with Table O-6.

<sup>2</sup> For Grade 10, only results from 2019 on are displayed because 2019 was the first year of the Next-Generation MCAS program in Grade 10.

<sup>3</sup> These results are based on the psychometric data sample used to conduct equating, not on the whole population of students.

<sup>4</sup> Testing was not conducted in 2020 due to Covid 19.

**Table O-2. Achievement-Level Distributions by Grade—Mathematics<sup>1</sup>**

Grade	Achievement Level	N <sup>3</sup>	Percent in Level			
			2022 <sup>4</sup>	2021	2019	2018
3	Not Meeting Expectations	12,075	19	25	11	11
	Partially Meeting Expectations	25,406	40	41	39	39
	Meeting Expectations	22,589	35	28	41	41
	Exceeding Expectations	4,090	6	6	9	10
4	Not Meeting Expectations	10,327	16	23	11	11
	Partially Meeting Expectations	26,562	41	44	39	40
	Meeting Expectations	23,893	37	30	42	41
	Exceeding Expectations	3,738	6	4	8	7
5	Not Meeting Expectations	9,819	15	19	9	9
	Partially Meeting Expectations	31,960	49	48	42	45
	Meeting Expectations	21,397	33	30	43	42
	Exceeding Expectations	2,657	4	4	6	5
6	Not Meeting Expectations	9,195	14	22	9	10
	Partially Meeting Expectations	28,806	44	45	39	42
	Meeting Expectations	24,356	37	29	42	41
	Exceeding Expectations	3,433	5	5	11	7
7	Not Meeting Expectations	12,069	18	17	12	12
	Partially Meeting Expectations	29,991	45	48	40	41
	Meeting Expectations	20,788	31	29	38	39
	Exceeding Expectations	4,487	7	6	11	8
8	Not Meeting Expectations	11,151	16	21	11	11
	Partially Meeting Expectations	32,957	47	47	42	39
	Meeting Expectations	20,540	30	29	37	42
	Exceeding Expectations	4,923	7	4	10	8
10 <sup>2</sup>	Not Meeting Expectations	6,275	9	11	8	--
	Partially Meeting Expectations	27,106	41	35	33	--
	Meeting Expectations	25,830	39	42	45	--
	Exceeding Expectations	7,627	11	13	13	--

<sup>1</sup> This table presents distributions from the standard MCAS Mathematics tests. Distributions from the MCAS-Alt assessment are displayed beginning with Table O-7.

<sup>2</sup> For Grade 10, only results from 2019 on are displayed because 2019 was the first year of the Next-Generation MCAS program in Grade 10.

<sup>3</sup> These results are based on the psychometric data sample used to conduct equating, not on the whole population of students.

<sup>4</sup> Testing was not conducted in 2020 due to Covid 19.

**Table O-3. Achievement-Level Distributions by Grade—STE<sup>1</sup>**

Grade	Achievement Level	N <sup>2</sup>	Percent in Level			
			2022 <sup>3</sup>	2021	2019	2018
5	Not Meeting Expectations	10,857	17	18	11	--
	Partially Meeting Expectations	26,213	40	40	40	--
	Meeting Expectations	23,494	36	36	41	--
	Exceeding Expectations	4,786	7	7	9	--
8	Not Meeting Expectations	11,403	17	15	11	--
	Partially Meeting Expectations	28,398	41	44	42	--
	Meeting Expectations	25,180	37	34	39	--
	Exceeding Expectations	4,002	6	8	8	--

<sup>1</sup> This table presents distributions from the standard MCAS STE tests. Distributions from the MCAS-Alt assessment are displayed beginning with Table O-8. Only results from 2019 on are displayed because 2019 was the first year of the Next-Generation MCAS program for STE.

<sup>2</sup> These results are based on the psychometric data sample used to conduct equating, not on the whole population of students.

<sup>3</sup> Testing was not conducted in 2020 due to Covid 19.

**Table O-4. Achievement-Level Distributions by Grade—Biology**

Grade	Achievement Level	N	Percent in Level			
			2022 <sup>1</sup>	2021	2019	2018
HS	Not Meeting Expectations	8,336	15	--	--	--
	Partially Meeting Expectations	22,359	40	--	--	--
	Meeting Expectations	18,995	34	--	--	--
	Exceeding Expectations	5,830	11	--	--	--

<sup>1</sup> 2022 was the first year Biology was administered as a Next-Generation MCAS test.

**Table O-5. Achievement-Level Distributions by Grade—Introductory Physics**

Grade	Achievement Level	N	Percent in Level			
			2022 <sup>1</sup>	2021	2019	2018
HS	Not Meeting Expectations	1,456	10	--	--	--
	Partially Meeting Expectations	5,719	41	--	--	--
	Meeting Expectations	5,118	37	--	--	--
	Exceeding Expectations	1,652	12	--	--	--

<sup>1</sup> 2022 was the first year Introductory Physics was administered as a Next-Generation MCAS test.

**Table O-6. Achievement-Level Distributions by Grade—Alt/ELA**

Grade	Achievement Level	2022 <sup>1</sup>	Percent in Level		
			2021	2019	2018
3	Partially Meeting Expectations	0	0	0	0
	Progressing	40	41	53	55
	Emerging	48	46	39	39
	Awareness	4	3	2	2
	Incomplete	8	10	5	4
4	Partially Meeting Expectations	0	0	0	0
	Progressing	47	45	58	56
	Emerging	45	44	37	37
	Awareness	3	3	2	2
	Incomplete	5	9	4	5
5	Partially Meeting Expectations	0	0	0	0
	Progressing	46	46	57	63
	Emerging	42	42	36	32
	Awareness	2	2	2	1
	Incomplete	9	11	5	5
6	Partially Meeting Expectations	0	0	0	0
	Progressing	46	44	55	59
	Emerging	45	42	37	34
	Awareness	2	3	2	2
	Incomplete	8	12	6	6
7	Partially Meeting Expectations	0	0	0	0
	Progressing	48	42	56	62
	Emerging	41	41	34	30
	Awareness	3	2	2	2
	Incomplete	8	15	8	6
8	Partially Meeting Expectations	0	0	0	0
	Progressing	47	47	58	60
	Emerging	42	35	35	32
	Awareness	3	2	2	2
	Incomplete	8	16	5	6
10	Advanced	0	0	0	0
	Proficient	0	0	0	0
	Needs Improvement	0	0	0	0
	Progressing	48	45	55	50
	Emerging	38	40	36	36
	Incomplete	12	13	8	11

<sup>1</sup> Testing was not conducted in 2020 due to Covid 19.

**Table O-7. Achievement-Level Distributions by Grade—Alt/Mathematics**

Grade	Achievement Level	Percent in Level			
		2022 <sup>1</sup>	2021	2019	2018
3	Partially Meeting Expectations	0	0	0	0
	Progressing	68	69	78	79
	Emerging	11	9	9	8
	Awareness	2	1	2	2
	Incomplete	19	20	11	11
4	Partially Meeting Expectations	0	0	0	0
	Progressing	72	71	79	78
	Emerging	10	12	8	10
	Awareness	1	2	2	2
	Incomplete	16	15	11	11
5	Partially Meeting Expectations	0	0	0	0
	Progressing	68	72	77	78
	Emerging	10	10	10	8
	Awareness	2	2	2	1
	Incomplete	20	17	12	14
6	Partially Meeting Expectations	0	0	0	0
	Progressing	71	70	81	77
	Emerging	12	10	7	9
	Awareness	2	3	2	2
	Incomplete	15	17	10	13
7	Partially Meeting Expectations	0	0	0	0
	Progressing	71	67	75	79
	Emerging	11	8	9	7
	Awareness	2	3	1	1
	Incomplete	16	23	15	13
8	Partially Meeting Expectations	0	0	0	0
	Progressing	68	67	76	74
	Emerging	13	7	9	10
	Awareness	3	2	1	1
	Incomplete	17	24	14	15
10	Advanced	0	0	0	0
	Proficient	0	0	0	0
	Needs Improvement	0	0	0	0
	Progressing	66	66	72	61
	Emerging	22	18	17	22
	Awareness	2	2	1	2
	Incomplete	11	15	10	15

<sup>1</sup> Testing was not conducted in 2020 due to Covid 19.

**Table O-8. Achievement-Level Distributions by Grade—Alt/STE**

Grade	Achievement Level	Percent in Level			
		2022 <sup>1</sup>	2021	2019	2018
5	Needs Improvement	0	0	0	0
	Progressing	61	57	65	79
	Emerging	22	22	23	12
	Awareness	4	4	3	1
	Incomplete	12	18	10	8
8	Needs Improvement	0	0	0	0
	Progressing	65	57	70	76
	Emerging	19	16	16	16
	Awareness	5	3	2	0
	Incomplete	12	23	11	8

<sup>1</sup> Testing was not conducted in 2020 due to Covid 19.

**Table O-9 Achievement-Level Distributions—Alt/Biology**

Grade	Achievement Level	Percent in Level			
		2022 <sup>1</sup>	2021	2019	2018
HS	Advanced	0	0	0	0
	Proficient	0	0	0	0
	Needs Improvement	0	0	0	0
	Progressing	60	45	75	63
	Emerging	19	24	14	18
	Awareness	5	5	1	2
	Incomplete	16	26	11	17

<sup>1</sup> Testing was not conducted in 2020 due to Covid 19.

**Table O-10. Achievement-Level Distributions—Alt/Chemistry**

Grade	Achievement Level	Percent in Level			
		2022 <sup>1</sup>	2021	2019	2018
HS	Advanced	0	0	0	0
	Proficient	0	0	0	0
	Needs Improvement	0	0	2	10
	Progressing	78	78	76	53
	Emerging	8	0	6	18
	Awareness	0	0	0	0
	Incomplete	14	22	16	19

<sup>1</sup> Testing was not conducted in 2020 due to Covid 19.

**Table O-11. Achievement-Level Distributions—Alt/Introductory Physics**

Grade	Achievement Level	Percent in Level			
		2022 <sup>1</sup>	2021	2019	2018
HS	Advanced	0	0	0	0
	Proficient	0	0	0	3
	Needs Improvement	0	0	3	9
	Progressing	53	40	73	56
	Emerging	26	0	14	21
	Awareness	11	0	3	3
	Incomplete	10	60	8	10

<sup>1</sup> Testing was not conducted in 2020 due to Covid 19.

**Table O-12. Achievement-Level Distributions—Alt/Technology/Engineering**

Grade	Achievement Level	Percent in Level			
		2022 <sup>1</sup>	2021	2019	2018
HS	Advanced	0	0	0	0
	Proficient	0	0	0	0
	Needs Improvement	0	0	0	0
	Progressing	79	64	74	52
	Emerging	11	17	15	22
	Awareness	1	2	0	2
	Incomplete	10	17	11	24

<sup>1</sup> Testing was not conducted in 2020 due to Covid 19.