

APPENDIX P

SAMPLE REPORTS

Introductory Physics



Spring 2019 MCAS Tests Parent/Guardian Report

Your Child's Achievement Level:
Failing

Your child has not met the MCAS graduation requirement in this subject.

Your Child's Score:
200

Advanced Students at this level demonstrate a comprehensive and in-depth understanding of challenging subject matter and provide sophisticated solutions to complex problems.	High 270-280	
	Low 260-268	
Proficient Students at this level demonstrate a solid understanding of challenging subject matter and solve a wide variety of problems.	High 250-258	
	Low 240-248	
Needs Improvement Students at this level demonstrate a partial understanding of subject matter and solve some simple problems.	High 230-238	
	Low 220-228	
Failing Students at this level demonstrate a minimal understanding of subject matter and do not solve simple problems.	High 210-218	
	Low 200-208	200

In the figure above, the top of the black bar indicates your child's score on the test. The small gray bar shows the range of likely scores your child would receive if they took the test multiple times.

Example: Your child's score → 240 ← Range of likely scores if your child took the test many times

Your child's achievement compared to school, district, and state achievement in grade 10

This section shows your child's achievement level on the test. It also shows the percentage of students at each achievement level in your child's school, district, and the state. The check (✓) indicates your child's achievement level. Percentages are not shown if fewer than 10 students took the test.

Achievement Level	Your Child	School	District	State
Advanced		28%	27%	30%
Proficient		46%	46%	44%
Needs Improvement		22%	22%	20%
Failing	✓	4%	4%	5%

Your child's scores in the reporting categories measured by the test

This section shows the number and percentage of possible points earned by your child in each reporting category. For comparison, you will also find the percentage of possible points earned by students who performed at the low end of the *Proficient* level across the state. This information can give you a general impression of your child's relative strengths and weaknesses.

Reporting Category	Reporting Category Code	Points Earned by Your Child	Possible Points	Percent of Possible Points Earned by Your Child	Percent of Possible Points Earned by Students Who Performed at the Low End of the Proficient Level
Motion and Forces	MF	3	24	13	56
Heat and Heat Transfer	HT	2	9	22	49
Waves and Radiation	WV	2	15	13	47
Electromagnetism	EM	3	12	25	52

How your child did on individual test questions

This section shows how your child did on each test question. In the bottom row (Your Child's Score), you will find whether your child gave the correct answer on multiple-choice questions as well as the number of points earned by your child on other types of questions. Reporting Category codes are given in the table above. Released questions from the Biology and Introductory Physics tests are available at www.doe.mass.edu/mcas/testitems.html.

Question Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Reporting Category	WV	EM	HT	MF	MF	HT	MF	EM	WV	EM	MF	WV	HT	WV	MF	WV	EM	EM	WV	EM	MF	MF	MF	HT	MF	WV	WV	MF	EM	MF	MF	MF	MF	WV	MF	WV	MF	HT	WV	MF	MF	EM	WV	HT	EM
Your Child's Answer	A	✓	✓	B	C	✓	C	✓	A	B	A	0/4	A	✓	C	A	A	✓	D	D	A	C	0/4	A	A	B	C	A	B	A	C	0/4	✓	B	✓	✓	B	D	B	✓	D	A	C	0/4	0/4

Question Type	Score Codes
Multiple-choice	✓ Correct answer (1 point earned)
	A, B, C, or D Incorrect answer on a released question (0 points earned)
	* More than one answer (0 points earned)
	- Incorrect answer on an unreleased question (0 points earned)
Open-response	x/4 x points earned out of 4
All types	blank space No answer (0 points earned)

Name: _____ District: _____
 SASID: _____ School: _____
 Date of Birth: _____ Grade: 10

This report provides your child's results on the new, next-generation Massachusetts Comprehensive Assessment System (MCAS) tests in English Language Arts (ELA) and Mathematics, and on one of the four Science and Technology/Engineering (STE) tests in Biology, Introductory Physics, Chemistry, or Technology/Engineering. The ELA and Mathematics tests are aligned to the 2017 Massachusetts curriculum frameworks and are designed to measure students' readiness for college and careers. Like the previous (legacy) tests, the new tests are also used as a high school graduation requirement.

The next-generation ELA and Mathematics test results are reported on a different scale and use new achievement levels, as displayed on pages 2 and 3 of this report. (High school STE tests, on page 4, are reported the same way that they were in previous years.) Even though the ELA and Mathematics tests are new, the minimum passing standard is currently set at the equivalent of last year's minimum passing standard. In other words, **students who were sophomores and freshmen in spring 2019 must meet the same MCAS graduation requirements as the classes who came before them.** To be eligible to receive a high school diploma, students in the classes of 2021 and 2022 must meet the following MCAS graduation requirements (in addition to meeting all local graduation requirements):

- Pass the next-generation ELA and Mathematics tests in one of two ways:
 - earn a next-generation score that is comparable to a score of *Proficient* or higher on the legacy MCAS tests; or
 - earn a next-generation score that is comparable to a score of *Needs Improvement* and fulfill the requirements of an Educational Proficiency Plan (EPP). Information on EPP requirements is available at www.doe.mass.edu/ccr/epp/.
- Pass a high school STE test by earning a score of *Needs Improvement* or higher.

The boxes below show your child's test status for graduation for each subject. If you have questions about your child's performance, we encourage you to meet with your child's teacher(s) to discuss the results and retest opportunities, if needed. Please see the letter from Commissioner Jeffrey Riley, included with this report, for more information about high school graduation requirements and the transition to next-generation MCAS tests.

Your Child's Overall Results in Grade 10

English Language Arts	Mathematics	Introductory Physics
PASSED but requires an Educational Proficiency Plan in this subject	HAS NOT MET the MCAS graduation requirement in this subject	HAS NOT MET the MCAS graduation requirement in this subject
Score 455 (Score range: 440-560)	Score 456 (Score Range: 440-560)	Score 200 (Score Range: 200-280)
Growth Percentile 2	Growth Percentile 3	
Details on page 2	Details on page 3	Details on page 4

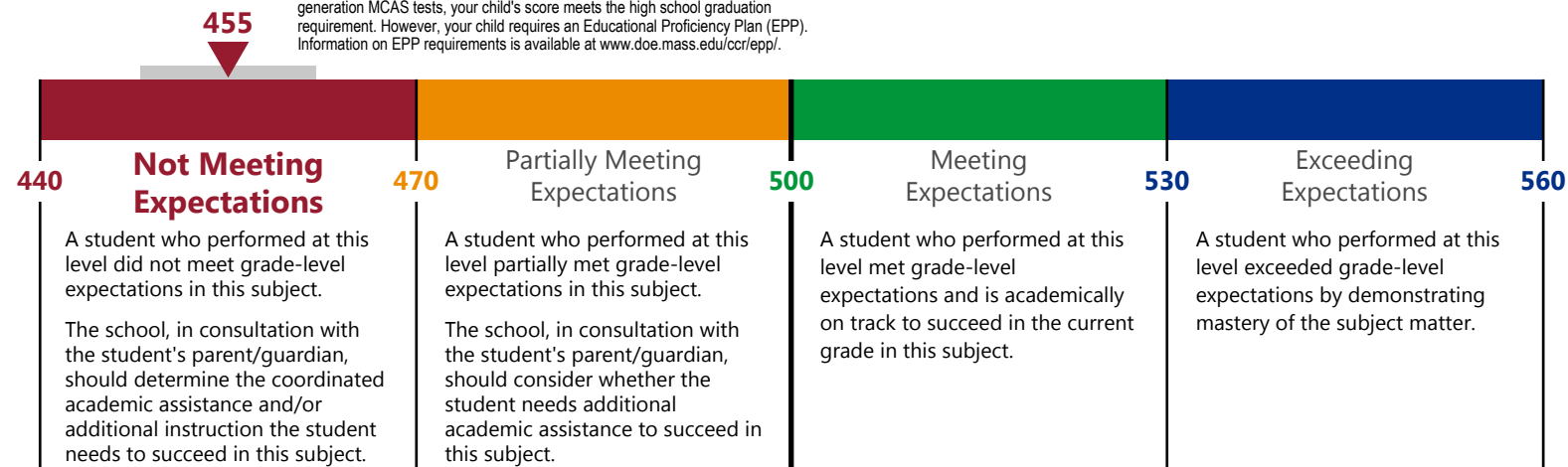
What is MCAS and how are test results used?
 MCAS is the Commonwealth's standards-based assessment program. MCAS has the following primary purposes:

- To help families see whether their children are making expected academic progress
- To help educators identify areas of the curriculum where students are learning well and areas where students may need additional assistance to meet grade-level expectations
- To help the state direct resources to schools that need support
- At the high school level, to determine whether students have met the state requirements for the Competency Determination (that is, whether students are eligible for a high school diploma)
- At the high school level, to determine whether students have met one of the eligibility requirements for the John and Abigail Adams Scholarship and the Stanley Z. Koplik Certificate of Mastery Award

Where can you find more information?
www.doe.mass.edu/mcas/parents/

Your Child's Achievement Level: **Not Meeting Expectations**
 Your Child's Score: **455**

Note: Based on the passing standard in place during the transition to next-generation MCAS tests, your child's score meets the high school graduation requirement. However, your child requires an Educational Proficiency Plan (EPP). Information on EPP requirements is available at www.doe.mass.edu/ccr/epp/.



The horizontal gray bars in the graphics above and below show the range of likely scores your child would receive if they took the test multiple times.

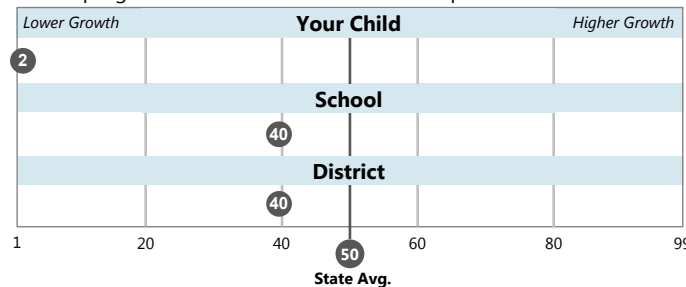
Achievement

This table shows how your child performed compared to students in their school, district, and state.

Your Child's		Year	Average Score		
Grade	Score		School	District	State
10	455	2019	502	501	506
8	469	2017			

2019 Student Growth Percentiles

The student growth percentile (1-99) compares your child's progress to the progress of other students with similar prior MCAS scores.



How your child performed in each reporting category and on each individual test question

Reporting Category	Points Earned by Your Child	Average Points in School	Average Points in District	Average Points in State	Total Possible Points	Average Points Earned*
Reading 	9	24.5	24.3	25.3	32	25.8
Language+ 	2	6.7	6.6	7.1	9	7.2
Writing‡ 	1	5.0	4.9	5.4	10	5.0

* The Language reporting category includes the standard English convention scores from the essays.

‡ The Writing reporting category is based on the idea development essay scores.

Individual Test Questions

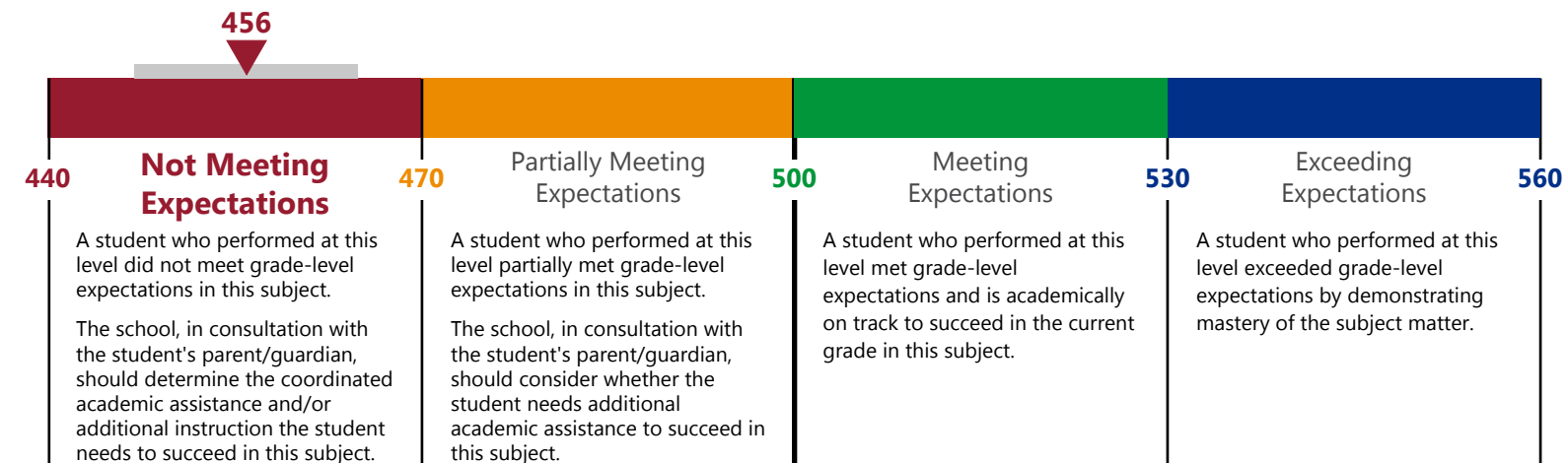
Question Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	19	20	21	22	23	24	25	26	27	27	28	29	30	31	
Points Earned	0/1	1/1	1/1	0/1	0/1	0/1	2/2	1/2	0/3	0/5	0/1	0/1	0/1	0/1	0/1	0/1	0/2	0/2	1/3	1/5	1/1	1/1	0/1	0/1	0/1	1/1	2/2	0/2	•	•	0/1	0/1	0/1	0/2

Key x/y = x points earned out of y possible points
 ID = Essay idea development score
 CV = Essay conventions score
 • = This question was not scored and did not count toward your child's results.

* Average number of points earned statewide by students at the low end of the Meeting Expectations level.

Go online to access released test questions at www.doe.mass.edu/mcas/testitems.html.

Your Child's Achievement Level: **Not Meeting Expectations**
 Your Child's Score: **456**



The horizontal gray bars in the graphics above and below show the range of likely scores your child would receive if they took the test multiple times.

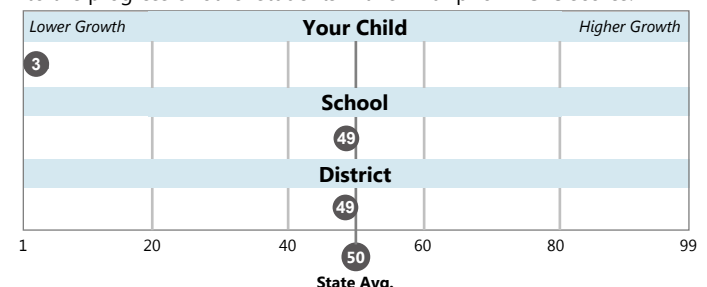
Achievement

This table shows how your child performed compared to students in their school, district, and state.

Your Child's		Year	Average Score		
Grade	Score		School	District	State
10	456	2019	502	501	505
8	477	2017			

2019 Student Growth Percentiles

The student growth percentile (1-99) compares your child's progress to the progress of other students with similar prior MCAS scores.



How your child performed in each reporting category and on each individual test question

Reporting Category	Points Earned by Your Child	Average Points in School	Average Points in District	Average Points in State	Total Possible Points	Average Points Earned*
Number and Quantity 	2	4.3	4.2	4.7	9	4.3
Algebra and Functions 	2	11.9	11.6	12.4	21	10.8
Geometry 	3	12.3	12.0	12.7	21	12.0
Statistics and Probability 	1	4.8	4.7	5.3	9	5.0

* Average number of points earned statewide by students at the low end of the Meeting Expectations level.

Individual Test Questions

Question Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	
Points Earned	1/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/4	0/1	0/1	0/2	0/1	0/4	0/1	1/2	0/1	0/1	0/2	1/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/4	0/1	0/1	2/2	1/1	0/4	0/1	0/2	0/1	0/1	0/2	1/1	1/1

Key x/y = x points earned out of y possible points
 Blank space = no answer

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