



# Guide to MCAS Data – Student Information

The data sheet includes demographic and MCAS performance information for each student.

Demographic Information									MCAS Information						
Student ID	Student Name	HR	Team	Sex	Race	SN	Bil	ELD Lev	Perf Lv	Raw Scor	Scaled Scor	WP C	WP C	SGP	CPI
#####	Sample, Student	111	Grade 15	M	Black				P	62	258	8	8	77	100
#####	Sample, Student	112	Grade 16	M	Black				P	62	258	8	8	77	100
#####	Sample, Student	113	Grade 17	M	Black				P	62	258	8	8	77	100
#####	Sample, Student	114	Grade 18	M	Black				P	62	258	8	8	77	100
#####	Sample, Student	115	Grade 19	M	Black				P	62	258	8	8	77	100
#####	Sample, Student	116	Grade 20	M	Black				P	62	258	8	8	77	100
#####	Sample, Student	117	Grade 21	M	Black				P	62	258	8	8	77	100

Students are listed in order of raw score, followed by performance level, then alphabetically by last name.

Color codes identify performance levels – green for A and P, yellow for high NI, orange for low NI, red for W.

SGP stands for “Student Growth Percentile,” the state’s new MCAS growth score.

# Guide to MCAS Data – Analytic Headers

Items are arranged in numerical order of each standard, then by item number. Abbreviated standard names are provided.

This is the percentage of correct answers out of all answers provided for all questions for one standard. You can think of it as percent correct on each standard, but it is **not** a simple average of % correct by item.

Percent of correct answers for each item is provided and highlighted.

Item #		17	22	23	33	41	9	10	34	35
Standard		4 - Vocabulary and Concept Development					5 - Structure and Origins of Modern English			
%Correct by Standard		57%					46%			
Correct Answer		B	N/A	N/A	N/A	N/A	C	C	N/A	15%
Error Analysis	% A	15%					19%	11%		51%
	%B	✓					16%	19%		34%
	%C	9%					✓	✓		0%
	%D	11%					28%	18%		0%
%Correct by Item		65%	50%	38%	64%	72%	36%	53%	49%	1.19
MCAS Data		#17	#22	#23	#33	#41	#9	#10	#34	#35

Item numbers are in two locations for easy reference.

Each distractor, A-D, is color-coded for easy identification in the data sheet. You can see the percent distribution of answer choices for each item. Items without this information were not released. You can see how many students answered correctly and incorrectly, but not which answers they chose.

For Open Response items, percents of students attaining each rubric score 0-4 are provided. Note that students without scores aren't included but should be considered.

# Guide to MCAS Data– Lowest Quartile and General Item Data

Some of the analysis in the header is provided separately for the bottom quartile, which is calculated by quartering only the number of students who received a performance level of W to A, and selecting students in the bottom fourth. This excludes *most* students with ABS, PRG, LEP, unless they received raw scores.

You can find this information about three-fourths of the way into the data. The sub-header shows where the bottom quartile starts.

These calculations are for the bottom quartile *only*. Use this information to target support for students who may be farthest behind. Differences in distractor patterns are easy to eye-ball for a smaller number of students.

Lowest Quartile			% Correct by Standard					25%								
			% Correct by Item					33%	33%	14%	43%	45%	14%	38%	24%	0.71
		W	18	218	C	-	-	+	-	-	D	B	-	1		
R3		W	18	218	A	-	+	-	+	+	A	+	-	0		

Here is view of item data for all students:

Dark lines separate groups of items in the same standard. Color coding of answer choices provides easy estimation.

D	D	+	-	+
+	A	-	+	+
A	C	+	+	+
+	D	+	+	+
C	+	+	+	-
+	A	+	+	+
+	+	+	-	+

White cells with a “-” appear for unreleased items. They signal incorrect answers, but actual answer choice data is unavailable. Green cells with a “+” always mean correct answers, both for released and unreleased items.