



MCAS Early Release Pilot Conference Call

Office of Student Assessment Services
June 5, 2018



Presenters

- Bob Lee, MCAS Chief Data Analyst
- Scott Kelley, Reporting Specialist
- Kenny Taylor, Pearson Project Manager



Logistics for This Session

- Questions may be asked at any time using the **Q & A** feature on the WebEx screen.
 - Specific questions about individual records or your district should instead be sent by email to mcas@doe.mass.edu.
 - We will attempt to answer all questions asked during the session; after the session, all questions will be answered and emailed out to participants.
- This session is being recorded and will be available online in about one week at:
 - MCAS Resource Center -- mcas.pearsonsupport.com/training
 - In the section entitled "Training Sessions Previously Offered This School Year"



CONTENTS

01

What is (and is not) included in the MCAS Early Release?

02

Preparing your raw results for analysis

03

Suggestions for arranging your preliminary data

04

Resources and support

05

Answers to your questions

01

What is (and is not) included in the MCAS Early Release?

Grades 3–8 Early Preliminary Reporting File in PearsonAccess^{next}

Who? Superintendents, Principals, district and school test coordinators. Others may be added.

What? Multiple-choice and machine-scored item-level data from students who took the Spring 2018 MCAS online through May 28. No scaled scores, growth or achievement levels.

When? June 4 through mid-August. Essay and other handscored item results will be added June 29 along with paper test results. Scaled scores available August 10.

Where? Only available in PearsonAccess^{next} until August. High school preliminary results will be released to the Dropboxes on June 29.

Why? As a pilot to test the viability and utility of results turned around on the fastest possible timetable. Please be patient. If you are struggling with the pilot data know that more user-friendly releases are ahead.

June 4 Preliminary CBT Machine-Scored Items* in PAN

- Item-level results for Grades 3-8 ELA, Math, STE
 - Which machine-scored items did each student get right and wrong
 - Points possible per item
 - Student's percent correct for the machine-scored sections
 - One row per student per subject (i.e., separate rows for ELA, Math and STE)
- Reporting Category Results
 - Student's earned raw score for each reporting category
- Hand scored items and their Reporting Category summaries will be blank



What proportion of the MCAS is available through early release?

Subject /Grade	June 5: Machine Scored CBT Items				June 29: Hand & Machine Scored CBT & PBT Items				
ELA Grade	One-Point Selected Response	Two-point Selected Response	Machine Scored Points	Percent Machine Scored	# Short Responses	# Essays (points)	Hand Scored Points	Percent Hand Scored	Total Raw Score Points
3-4	15-21	3-6	27	61%	1 (3 pts.)	2 (7 pts.)	17	39%	44
5	15-21	3-6	27	56%	0	3 (7 pts.)	21	44%	48
6-8	15-21	3-6	27	53%	0	3 (8 pts.)	24	47%	51
Math Grade	One-Point Selected Response	Two-Point Selected Response	Machine Scored Points	Percent Machine Scored	Constructed Response	N/A	Hand Scored Points	Percent Hand Scored	Total Raw Score Points
3	36	0	36	75%	4 (3 pts.)		12	25%	48
4-8	34	2	38	70%	4 (4 pts.)		16	30%	54
STE Grade	One-Point Multiple Choice	N/A	Machine Scored Points	Percent Machine Scored	Open Response	N/A	Hand Scored Points*	Percent Hand Scored	Total Raw Score Points
5 & 8	38		38	70%	4 (4 pts.)		16*	30%	54

*STE grades 5 & 8 hand-scored items will be not be available until Aug. 10 in Dropboxes

How did the average student perform on the early release items?

Grade	ELA			Math			Science Tech/Eng		
	% Correct	# Early Release pts	# Points total	% Correct	# Early Release pts	# Points total	% Correct	# Early Release pts	# Points hand scored
3	74%	27	44	59%	36	48			
4	72%	27	44	61%	38	54			
5	72%	27	48	59%	38	54	70%	38	54
6	68%	27	51	59%	38	54			
7	73%	27	51	47%	38	54			
8	65%	27	51	58%	38	54	69%	38	54

Changes to the 2018 Next-Gen MCAS

ELA

- No more 4-page essays
- Grade 3-5, 1-page essays (7 points)
- Grade 6-8, 2-page essays (8 points)

Math

- Grade 3, 2-point items out; 3-point items in
- Grade 4-8, 3-point items discontinued
- Grade 6-8, 4-point **machine-scored** items discontinued
- Grade 8 Reporting Categories merged

STE

- ~100% Administered online
- Last year for legacy tests



Update to the 2018 Reporting Categories for Grades 3–8

Reporting Category	Category Name	Subject	Grades
1	Reading	ELA	Grades 3-8
2	Language	ELA	Grades 3-8
3	Writing	ELA	Grades 3-8
1	Operations & Algebraic Thinking	Math	Grades 3-5
2	Number & Operations in Base Ten	Math	Grades 3-5
3	Number & Operations-Fractions	Math	Grades 3-5
4	Measurement & Data	Math	Grades 3-5
5	Geometry	Math	Grades 3-5
1	Geometry	Math	Grades 6, 7
2	Ratios and Proportional Relationships	Math	Grades 6, 7
3	The Number System	Math	Grades 6, 7
4	Expressions and Equations	Math	Grades 6, 7
5	Statistics and Probability	Math	Grades 6, 7
1	Geometry	Math	Grade 8
2	The Number System; Expressions and Equations	Math	Grade 8
3	Statistics and Probability	Math	Grade 8
4	Functions	Math	Grade 8
1	Earth and Space Science	Science	Grades 5, 8
2	Life Science	Science	Grades 5, 8
3	Physical Science	Science	Grades 5, 8
4	Technology/Engineering	Science	Grades 5, 8

New in 2018: Grade 8 math reporting categories for The Number System and Expressions and Equations are combined.



Using the item analysis template (from the resource center)

	A	B	C	D	E	F	G	H	I	J	K	L	M				
1	Item Num	Test Co	Reporting Category	2017 MA Curriculum	Item Ty	Item Description	Correct	Release Status	Max Poir	School	District	State	School				
2	1	MAT07	Ratios and Proportional	Mathematics.7.RP.A.02	SR	Determine which equation represents the proportional relationship in a given context.	D	Released	1	0.49	0.49	0.68	-0.19				
4	3	MAT07	Ratios and Proportional	Mathematics.7.RP.A.01	SR	Determine the unit rate in a real-world problem.	C	Released	1	0.55	0.55	0.64	-0.09				
5	4	MAT07	Statistics and Probability	Mathematics.7.SP.A.01	SR	Determine which sampling method would provide a random sample in a given context.		Not Released	1	0.33	0.33	0.31	0.02				
7	6	MAT07	Statistics and Probability	Mathematics.7.SP.C.05	SR	Determine the likelihoods of events.		Released	1	0.41	0.41	0.51	-0.10				
9	8	MAT07	The Number System	Mathematics.7.NS.A.02	SR	Convert a rational number to a decimal.		Not Released	1	0.39	0.39	0.52	-0.13				
10	9	MAT07	Expressions and Equations	Mathematics.7.EE.A.02	SR	Rewrite a given expression in a real-world context.	A	Released	1	0.43	0.43	0.52	-0.09				
12	11	MAT07	Geometry	Mathematics.7.G.A.03	SR	Determine which two-dimensional figure will not result from slicing a given three-dimensional		Not Released	1	0.54	0.54	0.64	-0.10				
14	13	MAT07	Expressions and Equations	Mathematics.7.EE.B.04	SR	Extend a pattern to find a number in the pattern.	D	Released	1	0.36	0.36	0.45	-0.09				
17	16	MAT07	The Number System	Mathematics.7.NS.A.02	SR	Divide rational numbers to solve a mathematical problem.	B	Released	1	0.44	0.44	0.45	-0.11				
19	18	MAT07	Ratios and Proportional	Mathematics.7.RP.A.02	SR	Determine which table represents a proportional relationship between two quantities.		Not Released	1	0.30	0.30	0.38	-0.08				
21	20	MAT07	The Number System	Mathematics.7.NS.A.02	SR	Determine which expression is equivalent to a given expression.	B	Released	1	0.43	0.43	0.48	-0.05				
22	21	MAT07	Expressions and Equations	Mathematics.7.EE.B.04	SR	Use a simple equation to solve a real-world problem.	C	Released	1	0.67	0.67	0.74	-0.07				
23	22	MAT07	Expressions and Equations	Mathematics.7.EE.B.03	SR	Solve a multi-step, real-world problem using operations on rational numbers.	D	Released	1	0.39	0.39	0.51	-0.12				
24	23	MAT07	Geometry	Mathematics.7.G.B.05	SR	Solve a multi-step problem using facts about supplementary angles and triangles.	D	Released	1	0.22	0.22	0.31	-0.09				
25	24	MAT07	Expressions and Equations	Mathematics.7.EE.A.01	SR	Determine which expressions are equivalent to given expressions.		Released	1	0.13	0.13	0.20	-0.07				
27	26	MAT07	Geometry	Mathematics.7.G.B.04	SR	Determine the area of a circle when given the circumference of the circle.	C	Released	1	0.49	0.49	0.45	0.04				
29	28	MAT07	Statistics and Probability	Mathematics.7.SP.B.04	SR	Determine the possible mean and mean absolute deviation for two sets of data in a real-world		Not Released	1	0.53	0.53	0.52	0.00				
30	29	MAT07	Ratios and Proportional	Mathematics.7.RP.A.01	SR	Determine how to calculate the unit rate in a real-world problem.		Not Released	1	0.46	0.46	0.57	-0.11				
31	30	MAT07	Statistics and Probability	Mathematics.7.SP.A.02	SR	Use data from random samples to draw an inference about a population.	C	Released	1	0.18	0.18	0.32	-0.14				
32	31	MAT07	Geometry	Mathematics.7.G.B.06	SR	Solve a mathematical problem involving the volume of a composite three-dimensional shape.	B	Released	1	0.34	0.34	0.31	0.03				
34	33	MAT07	Geometry	Mathematics.7.G.A.01	SR	Solve a problem by using a scale drawing to determine the actual area.		Not Released	1	0.34	0.34	0.32	0.02				
37	36	MAT07	Ratios and Proportional	Mathematics.7.RP.A.03	SR	Determine and compare percent decreases in a real-world problem.		Not Released	1	0.18	0.18	0.32	-0.14				
39	38	MAT07	Statistics and Probability	Mathematics.7.SP.B.03	SR	Compare the medians of two sets of data in a real-world context.		Not Released	1	0.32	0.32	0.37	-0.05				
41	40	MAT07	Expressions and Equations	Mathematics.7.EE.B.04	SR	Represent a real-world context with an inequality.	D	Released	1	0.40	0.40	0.61	-0.21				
42	Total Points									24	N/A						
44	Grades 6-7 Reporting Category Subtotals																
45	Category 1	Geometry							9	School	2.8	District	2.8	State	3.3	School	-0.5
46	Category 2	Ratios and Proportional Relationships							6		2.3		2.3		3.2		-0.9
47	Category 3	The Number System							7		3.2		3.2		3.9		-0.7
48	Category 4	Expressions and Equations							9		3.2		3.2		4.2		-1.0
49	Category 5	Statistics and Probability							7		3.1		3.1		3.5		-0.4

Item Analysis Graph

Legend: School Average Points (blue line), District Average Points (red line), State Average Points (green line)

02

Demonstration:
Opening your data &
using the Item Analysis Templates

Grades 3–8 Supporting Resources

- Excel Template: Statewide item info. and item level results
 - State average points per item (item difficulty) available:
 - PearsonAccess^{next} in **Support>Documentation**
 - [MCAS Resource Center](#) on the [Released Items](#) page



Recap of steps for loading data into templates

- 1. Download your CSV file from PANext
 - Add rows to the top; note where the bottom of the file is
- Enter the subtotal formula: =Subtotal(1, *cell range*)
 - Copy the subtotal formula to the row at the top of the reporting categories and items
- Set filters by TestCode; and by school if you are a district user
- Copy item summaries from the CSV to the template using "Paste Special" with "values" and "transpose" selected.



Preliminary findings and observations

Results have not been filtered; all students who answered at least one question have been included

The following results will not be included in official results:

1. First year ELs
2. Students who participated in one session
3. Void, security breach, students who moved during testing



168,000 students took MCAS online for the first time in 2018

		Mode of participation in 2017		
ELA and Math	Grade	Online	Paper	Did not test
	3	0.2%	0.2%	99.6%
	4	37%	59%	4%
	5	89%*	7%	4%
	6	50%	46%	4%
	7	42%	54%	4%
	8	42%	54%	4%
	3-8	49%	38%	13%

*Last year's Grade 4 students were required to participate online unless their school received a waiver due to outdated technology or if students required paper as an accommodation

2018 preliminary online results slightly favor students who took the 2017 tests online

	Grade	Percent correct		Statistically adjusted results
		Online in 2017	Paper in 2017	Raw score difference controlling for last year's scaled score
ELA	4	73%	72%	0.2 points
	5	73%	63%*	1.0 points
	6	69%	67%	0.3 points
	7	74%	72%	0.4 points
	8	66%	65%	0.1 points
Math	4	62%	61%	0.2 points
	5	60%	51%*	0.8 points
	6	61%	58%	0.6 points
	7	49%	48%	0.3 points
	8	60%	58%	0.4 points

*Last year's Grade 4 students were required to participate online unless their school received a waiver due to outdated technology or if students required paper as an accommodation



03

Preliminary Reporting Schedule

Partial and Full Preliminary Reporting

Grade 10 ELA and Math

- **Late June (partial)**

- Full scaled ELA and multiple choice Math results available in DropBox (.csv file)
- MCAS-Alt results included in .csv file; PFFs available mid-June

All Grades and Subjects

- **Mid-August (full):**

- Full scaled and leveled ELA, Math, and STE results in Dropbox (.csv file and roster); interactive reports one week later in Edwin Analytics



MCAS 2018 Released Items

- Grades 3–8 CBT released items will be posted on the MCAS Resource Center (tentative date June 4).
 - <http://mcas.pearsonsupport.com/released-items/>
 - Includes item descriptions for ELA and Math operational items
- Grades 3–8 & 10 PBT, and HS Biology/Physics released items will be posted on the MCAS Test Questions page (mid- to late June).
 - www.doe.mass.edu/mcas/testitems.html
 - Chemistry and Technology/Engineering items no longer released

Using Preliminary Results

Data Are Embargoed

- Use preliminary results for educational planning purposes only
- Don't share aggregate results outside your organization

Compare School/District Scores to State Averages

- Differences indicate areas of relative strength & weakness among student groups
- Only students tested at your school/district are included; outplaced & transfer students will be correctly reported in August with full preliminary results

Identify Potential Discrepancies

- Report missing tests to the MCAS Service Center
- Retain potential discrepancies such as SASID changes until August discrepancy reporting period

Other Tentative Reporting Dates

- Mid-August: Full Preliminary Results, all Grades & Subjects
 - .csv files and rosters in DropBox; Edwin Analytics approximately 1 week later
 - Discrepancy review and reporting period August 10–16
- Late September:
 - Parent/Guardian Reports delivered to districts
 - Official results posted



04

Resources and Support

Resources Available

- MCAS Resource Center
(<http://mcas.pearsonsupport.com/>)
 - Training page (modules and sessions previously offered):
<http://mcas.pearsonsupport.com/training-modules/>
- Manage Online Tests in PAN
(<https://support.assessment.pearson.com/display/PAsup/Manage+Online+Tests>)
- PAN User Guide
(<https://support.assessment.pearson.com/display/PAsup/PearsonAccess+Next+Online+User+Guide>)



Email and Phone Support

MCAS Service Center

- All questions on logistics and technology (e.g., PearsonAccess Next, SR/PNP, TestNav)
 - **Web:** mcas.pearsonsupport.com/
 - **Email:** mcas@measuredprogress.org
 - **Phone:** 800-737-5103

DESE Office of Student Assessment Services

- All policy questions (e.g., student participation, accommodations)
 - **Web:** www.doe.mass.edu/mcas
 - **Email:** mcas@doe.mass.edu
 - **Phone:** 781-338-3625



Evaluation Form

- Evaluation form will **only** be available when you close this WebEx session.
- You will not be able to return to it later.
- Note that responses will be associated with the name and email address used to log in.
- Email your input to mcas@doe.mass.edu if you have problems accessing or completing the form.



05

Answers to Your Questions

THANK YOU

The Office of Student Assessment Services

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