

PK-8 2017-18 PMF TASK FORCE MEETING



February 21, 2017

Agenda

1. Welcome and Introductions
2. Achievement and Gateway
3. Growth
4. Attendance Update
5. Next Steps:
 - [Feedback Form](#)



ACHIEVEMENT AND GATEWAY



Student Achievement Weights

Proposal

Option 1: No changes to PARCC weights in Student Achievement

OR

Option 2: Weigh PARCC levels 3+ and 4+ equally in Student Achievement (see example on next page)

Rationale: DC PCSB wants to maintain a portion of the Student Achievement points on level 3+.



Option 2: Example PK-8 School

Current: 2016-17 Measures	2016-17 Weights	Proposed 2017-18 Measures	Proposed 2017-18 Weights
Student Progress	35	Student Progress	35
ELA MGP	17.5	ELA MGP	17.5
Math MGP	17.5	Math MGP	17.5
Student Achievement	25	Student Achievement	25
PARCC ELA 3+	7.5	PARCC ELA II 3+	6.25
PARCC ELA 4+	5	PARCC ELA II 4+	6.25
PARCC Math 3+	7.5	PARCC Math 3+	6.25
PARCC Math 4+	5	PARCC Math 4+	6.25
Gateway	10	Gateway	10
3 rd Grade ELA	5	3 rd Grade ELA	5
8 th Grade Math	5	8 th Grade Math	5
School Environment	30	School Environment	30
Attendance	9	Attendance	9
Re-enrollment	9	Re-enrollment	9
CLASS: Emotional Support	4	CLASS: Emotional Support	4
CLASS: Classroom Organization	4	CLASS: Classroom Organization	4
CLASS: Instructional Support	4	CLASS: Instructional Support	4

Achievement and Gateway Floors and Targets: Outlier Proposal

Proposal: Remove outliers before calculating the floors and targets for achievement/gateway measures.

*Not used when there is an aspirational target.

Rationale: Limit a school with a really high rate driving up the target, reduce at-risk bias.

Business Rule: Remove scores that are 1.5 times the interquartile range (75th percentile-25th percentile).



Outlier Proposal: Example

Find Outlier Range

1. $IQR = (75^{\text{th}} \text{ pct} - 25^{\text{th}} \text{ pct}) = (24.6 - 9.6) = 15$
2. $1.5 * IQR = 1.5 * 15 = 22.5$
3. Upper Range = $22.5 + 24.6 = 47.1$
4. Lower Range = $9.6 - 22.5 = \text{below } 0$

Outliers: Any number outside of 0-47.1

Example Scores	
Score 1	77.4
Score 2	4.4
Score 3	15.3
Score 4	3.5
Score 5	24.6
Score 6	9.6
Score 7	20.0
Score 8	45.2
Score 9	11.3
10th pct	4.22
25th pct	9.6
75th pct	24.6
90th pct	51.64



Outlier Proposal: Example (cont.)

Outliers: Any number outside of 0-47.1

Since 77.4 is above the range, it is removed and the 90th percentile is calculated without it.

Original 90th pct: 51.64

New 90th pct: 30.78

Example Scores	
Score 1	77.4
Score 2	4.4
Score 3	15.3
Score 4	3.5
Score 5	24.6
Score 6	9.6
Score 7	20.0
Score 8	45.2
Score 9	11.3
10th pct	4.13
25th pct	8.3
75th pct	21.15
90th pct	30.78



PARCC Floors (Achievement and Gateway)

Proposal: Incrementally increase the floor each year, over 3 years, until the 10th percentile is reached in 2019-20.

Rationale: If we move the floors from zero to the 10th percentile, there will be a larger decrease in points earned on PARCC measures at one time. An incremental change allows for a slower increase to the floor annually until the 10th percentile business rule is reached resulting in less dramatic changes to points earned in a single year.



PARCC Floors (cont.)

Proposed increase of floors:

Year	Percentile of Floor
2016-17 (Current)	0
2017-18	3.3 rd
2018-19	6.6 th
2019-20	10 th

Outliers are removed before calculations. The floor would still remain a 3-year weighted average. The floor would not increase past the 10th percentile.



Achievement Estimated Floors: PARCC Level 3+

Subject	2014-15 3.3 rd percentile	2015-16 3.3 rd percentile	2016-17 3.3 rd percentile	2-year weighted average*
ELA	26.9	27.5	Will update Nov. 2017	27.2
Math	27.4	23.5		25.5

* 3-year weighted average will be used for the 2017-18 tech guide. 2-year weighted average is to give an approximation of the floors.



Achievement Estimated Floors: PARCC Levels 4+

Subject	2014-15 3.3 rd percentile	2015-16 3.3 rd percentile	2016-17 3.3 rd percentile	2-year weighted average*
ELA	6.8	7.34	Will update Nov. 2017	7.1
Math	4.1	6.04		5.1

* 3-year weighted average will be used for the 2017-18 tech guide. 2-year weighted average is to give an approximation of the floors.



PARCC Targets (Achievement and Gateway)

No Change: Maintain current business rules

Target

- Level 3+: Maintain 100% target
- Level 4+: Use current business rules with removal of outliers: 90th percentile +25% of (100-90th percentile)



Achievement Target: PARCC Levels 4+

Subject	2014-15 90 th percentile +25% of remaining gap	2015-16 90 th percentile +25% of remaining gap	2016-17 90 th percentile +25% of remaining gap	2-year weighted average*
ELA	53.6	60.2	Will update Nov. 2017	56.9
Math	63.2	64.2	Will update Nov. 2017	63.7

Outliers removed: 4 in 14-15, 5 in 15-16 for ELA, 0 for Math.

*3-year weighted average will be used for the 2017-18 tech guide. 2-year weighted average is to give an approximation of the floors.



Gateway Estimated Floors and Targets

Floor

Subject	2015-16 3.3rd percentile
ELA Grade 3	1.34
Math Grade 8	0.42

Target

TARGET	2015-16 90 th percentile +25% of remaining gap
ELA Grade 3	57.8
Math Grade 8	54.7

Note: Gateway changed from levels 3+ in 2014-15 to levels 4+ in 2015-16. A 2-year weighted average will be calculated for the 2017-18 floors and targets.

Questions?

Any questions on Student Achievement and Gateway proposed changes?



GROWTH



Growth Discussion Items

1. DC PCSB Proposals

1. MGP floor and target
2. Growth for growing schools
3. NWEA MAP testing

2. School Proposals

1. MGP weight with one-year MGP
2. MGP weight for schools with a major loss of tested enrollment



MGP Floor and Target

DC PCSB Proposal #1: Decrease the range between the MGP floor and target.

- Floor: 35
- Target: 65

Rationale: It will take time to prepare students to meet the PARCC College and Career Ready standards and we want to give more credit to schools with strong growth scores.



Small Leading Class N-size: Growing Schools Only

DC PCSB Proposal #2: Include K-3 NWEA MAP Growth one additional year instead of MGP, if 4th grade leading class has less than 10 SGPs.

Situation: Many early childhood growing schools have a small leading class. MGP may not have large enough n-size to display the first time the school has 4th grade.

Rationale: Including a growth measure every year allows for a more robust and complete PMF.



NWEA MAP

DC PCSB Proposal #3: Move to spring-to-spring NWEA MAP growth

1. Kindergarten and new students still fall-to-spring

Rationale: Spring-to-spring growth is more similar to MGP, held to same testing time-frame as MGP



First Year with MGP

School Proposal #1: Schools with one-year MGP calculations should have Student Progress count for half the total progress points.

School Rationale:

- 2-year weighted MGP mitigates fluctuations and lessens year to year variability.
- Reducing Student Progress weight for one-year MGP rates lessens the impact of variability within a single year.



First Year with MGP (con.t)

Current Tech Guide Language:

“If a school has only one year of MGP data (e.g., it is a new school, offering grade 4 for the first time), only one year of MGP data is used.”



Schools with one year MGP on PMF

Campus- With 1-year MGP	Year of PMF	Published PMF Score	PMF Tier	PMF Score with Proposed Business Rule	Difference	1-Yr MGP Reading	1-Yr MGP Math
Richard Wright PCS	2011-12	27.7	N/A	24.8	-2.9	40.0	50.1
Washington Yu Ying PCS	2011-12	76.7	1	74.3	-2.4	59.0	70.0
BASIS DC PCS	2012-13	67.3	N/A	72.3	5.0	52.0	48.0
Excel PCS	2012-13	46.5	2	47.2	0.7	56.0	39.0
Inspired Teaching PCS	2012-13	55.8	2	53.5	-2.3	61.0	51.0
KIPP DC - Promise PCS	2012-13	74.6	1	68.3	-6.3	74.0	78.5
DC Prep PCS - Benning Middle	2013-14	90.8	N/A	87.5	-3.3	77.5	79.0
DC Scholars PCS	2013-14	50.9	2	52.5	1.6	53.0	42.5
Paul PCS International High School	2013-14	49.1	N/A	51.8	2.7	48.0	34.0
Somerset PCS	2013-14	35.3	N/A	32.6	-2.7	58.0	38.0
Children's Guild PCS	2015-16	11.8	N/A	12.6	0.8	37.0	24.0
Friendship PCS - Armstrong	2015-16	52.4	N/A	53.0	0.6	46.5	53.5
Friendship PCS - Online	2015-16	62.8	N/A	63.2	0.4	52.0	57.0
KIPP DC—Lead PCS	2015-16	60.8	Tier 2	69.1	8.3	50.0	32.0
KIPP DC —Valor PCS	2015-16	46.3	N/A	45.4	-0.9	46.0	53.0
Mundo Verde PCS	2015-16	72.4	Tier 1	72.6	0.2	56.0	61.0
Washington Global PCS	2015-16	35	N/A	37.5	2.5	37.0	45.0

Decrease in Tested Enrollment and MGP

School Proposal #2: When a school's population drastically decreases from the previous to current year, the previous year's MGP, within the 2-year weighted MGP calculation, should weigh no more than 50%.

School Rationale: School is carrying the “weight” of students from two years ago unevenly compared to current performance. Especially true in a turn-around school.



Decrease in Tested Enrollment and MGP (cont.)

Schools with more than 25% decrease last year:

School	Math			ELA		
	2016 n-size	2015 n-size	% Change	2016 n-size	2015 n-size	% Change
#1	96	157	-38.9	96	158	-39.2
#2	46	71	-35.2	46	71	-35.2
#3	69	97	-28.9	69	97	-28.9
#4	66	83	-20.5	65	82	-20.7
#5	93	115	-19.1	93	113	-17.7
#6	156	187	-16.6	155	187	-17.1
#7	78	91	-14.3	78	90	-13.3
#8	268	306	-12.4	269	305	-11.8
#9	218	248	-12.1	216	235	-8.1
#10	122	136	-10.3	122	122	0

Decrease in Tested Enrollment and MGP (cont.)

Potential Change: The table below displays the MGP two-year weighted average as equal for schools with 20% or more loss of tested students in current year.

School (from previous slide)	Change in Reading MGP Points	Change in Math MGP Points	Change in PMF Growth Score
School 1	1.6	1.8	3.4
School 2	1.2	-0.4	0.7
School 3	0.5	0.4	0.9
School 4	0.3	0.2	0.5



Questions?

Any questions on Student Progress proposed changes?



ATTENDANCE



Informational: 2015-16 PK vs K-8 Attendance

Business rule: If the 90th percentile of PK3 and PK4 students ISA rates falls two or more percent below the K-8 90th percentile of ISA rates, DC PCSB will calculate a separate floor and target for this population and calculate a total attendance rate based on n-size.

Grade Band	90 th percentile of attendance
PK3-PK4	94.4
K-8	95.2

- PK-8 attendance will continue to be reported as one measure.



NEXT STEPS



Feedback Form

Please submit one form per LEA **by noon on Friday**, February 24, 2017.

[Feedback Form](#)



Next Steps

- February 21 Task Force Meeting: Growth and Achievement
- March 21 Task Force Meeting: Scheduled if needed
- May 15 Public Board Meeting: 2017-18 PMF Policy & Technical Guide open for public comment



Contact Us

3333 14th Street NW, Suite 210
Washington, DC 20010



Erin Kupferberg

(202) 328-1551
ekupferberg@dcpcsb.org

www.dcpcsb.org

[Facebook.com/DCPCSB](https://www.facebook.com/DCPCSB)

Twitter @DCPCSB

#DCcharterPROUD