



# **Boston Public Schools**

## Overview: MAP Growth

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# NWEA's MAP Growth Assessment

NWEA submitted a proposal to administer its Measures of Academic Progress (MAP) Growth assessment for exam school admission.

- Computer adaptive test
- Untimed
- Multiple choice and drag and drop questions
- Provides math, reading and language arts
- Can be used as a formative test as well as for selective admissions processes

# Why NWEA's test was selected

## → Alignment to the MA Curriculum Frameworks

- ◆ Robust item bank
- ◆ Every question/item is aligned to state standards
- ◆ All items undergo a review by internal and external specialists for alignment, accuracy and validity

# Why NWEA's test was selected, *cont.*

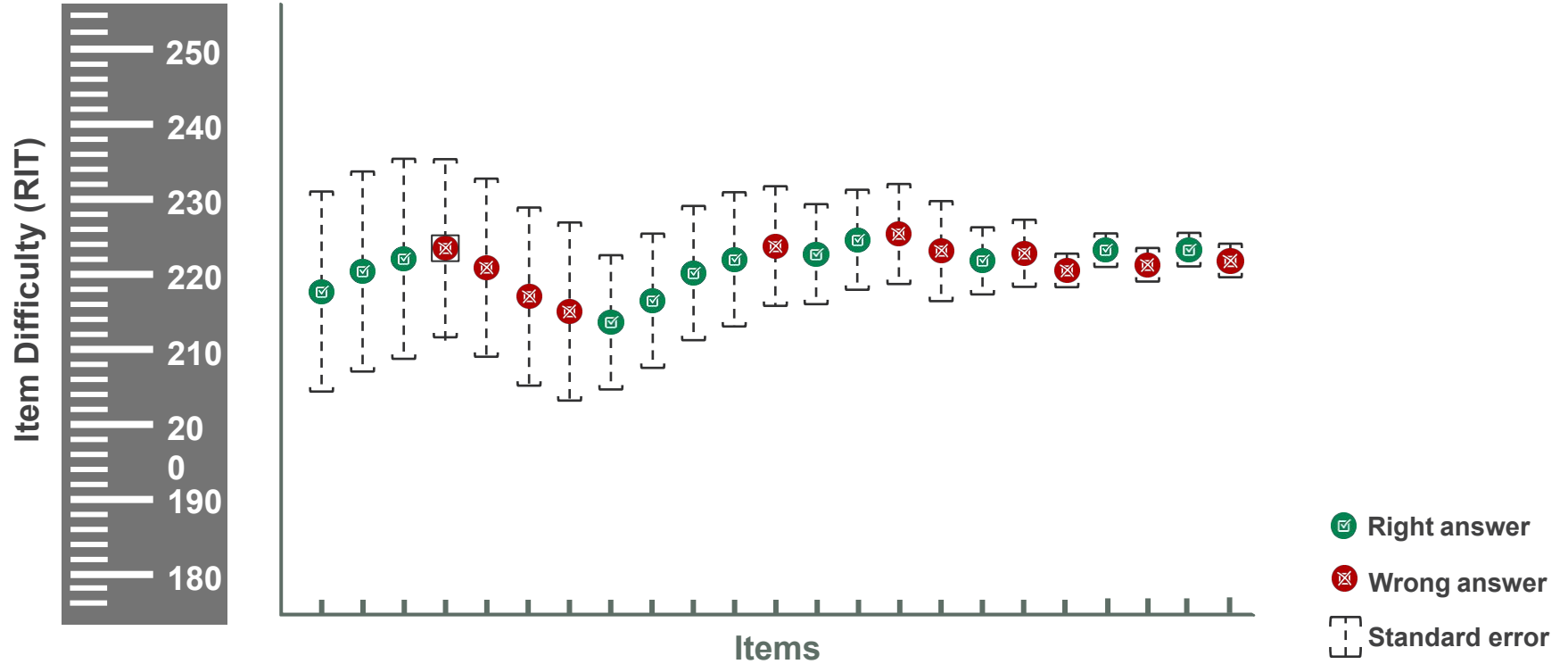
## → Valid for use with diverse students

- ◆ Submitted their process for bias review including sensitivity and fairness
- ◆ Submitted their DIF statistical analysis
  - Differential Item Functioning Analysis completed (DIF) to assess whether items are fair to students in different subgroups.
  - Every item is thoroughly examined at multiple points in the development process, undergoing specific bias and sensitivity reviews.
  - Committee deemed analysis compelling.

## Why NWEA's test was selected, *cont.*

- Includes several built-in accommodations for English learners and students with disabilities
  - ◆ MAP Assessment available in Spanish
  - ◆ Universal testing tools included, such as line guide, highlighter, digital notepad, calculators, text-to-speech, and answer eliminator

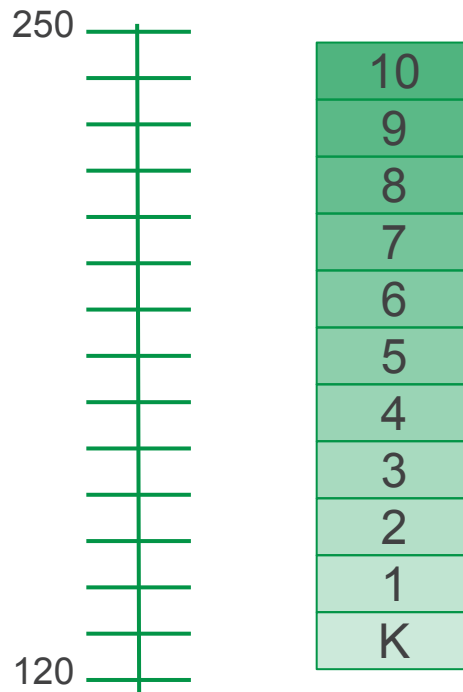
# The MAP Growth Adaptive Assessment



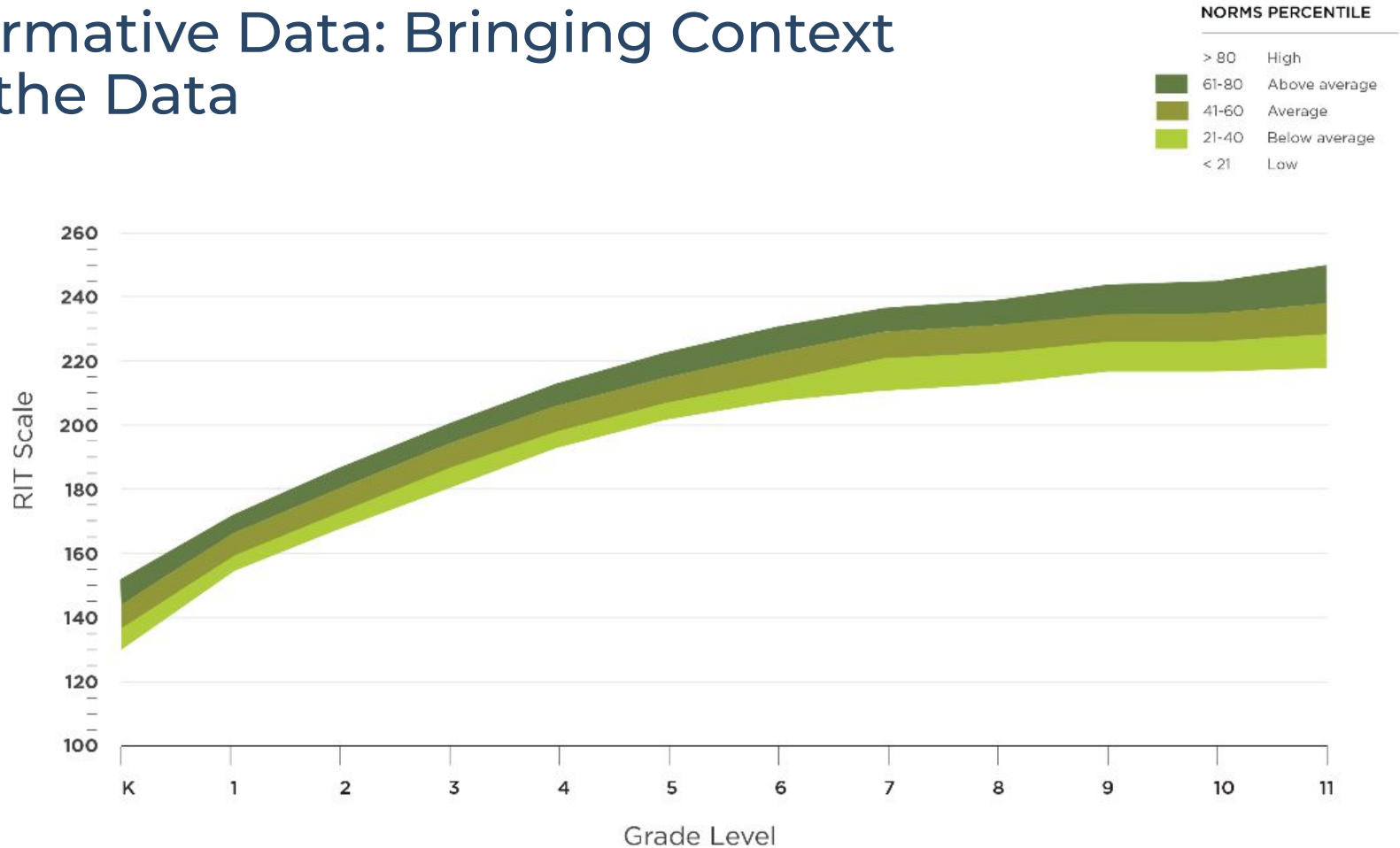
# RIT Scale

- Equal interval
- Used to show growth over time
- Independent of grade level

## Grade-Level Norms



# Normative Data: Bringing Context to the Data





# Normative Data: Bringing Context to the Data

- Grade-level norms
  - Typical performance
  - Beginning, middle, and end of year

2020 Reading Student Achievement Norms						
	Fall		Winter		Spring	
Grade	Mean	SD	Mean	SD	Mean	SD
K	136.65	12.22	146.28	11.78	153.09	12.06
1	155.93	12.66	165.85	13.21	171.40	14.19
2	172.35	15.19	181.20	15.05	185.57	15.49
3	186.62	16.65	193.90	16.14	197.12	16.27
4	196.67	16.78	202.50	16.25	204.83	16.31
5	204.48	16.38	209.12	15.88	210.98	15.97
6	210.17	16.46	213.81	15.98	215.36	16.03
7	214.20	16.51	217.09	16.21	218.36	16.38
8	218.01	17.04	220.52	16.69	221.66	16.87
9	218.90	19.02	220.52	18.73	221.40	19.03
10	221.47	17.92	222.91	17.81	223.51	18.20
11	223.53	17.73	224.64	17.80	224.71	18.50
12	223.80	19.32	223.85	21.21	224.33	23.08

# MCAS-MAP Linking Study

- Bold numbers are spring RIT scores by grade that correspond to MCAS “Meeting Expectations”
- Students in the 60th percentile or above on MAP Growth have a higher likelihood of “Meeting Expectations” on MCAS

**Table 3.3. MAP Growth Cut Scores Corresponding to MCAS Scores when MAP Growth is taken in Spring—ELA/Reading**

MCAS ELA								
Grade	Level 1: Not Meeting Expectations		Level 2: Partially Meeting Expectations		Level 3: Meeting Expectations*		Level 4: Exceeding Expectations	
3	440–469		470–499		<b>500–529</b>		530–560	
4	440–469		470–499		<b>500–529</b>		530–560	
5	440–469		470–499		<b>500–529</b>		530–560	
6	440–469		470–499		<b>500–529</b>		530–560	
7	440–469		470–499		<b>500–529</b>		530–560	
8	440–469		470–499		<b>500–529</b>		530–560	

MAP Growth Reading								
Grade	Level 1: Not Meeting Expectations		Level 2: Partially Meeting Expectations		Level 3: Meeting Expectations*		Level 4: Exceeding Expectations	
	RIT	Percentile	RIT	Percentile	RIT*	Percentile	RIT	Percentile
K**	100–141	1–9	142–161	10–60	<b>162–177</b>	61–93	178–350	94–99
1**	100–159	1–10	160–181	11–60	<b>182–199</b>	61–93	200–350	94–99
2**	100–169	1–10	170–192	11–59	<b>193–211</b>	60–93	212–350	94–99
3	100–179	1–10	180–202	11–60	<b>203–221</b>	61–93	222–350	94–99
4	100–187	1–10	188–210	11–62	<b>211–227</b>	63–92	228–350	93–99
5	100–190	1–7	191–215	8–59	<b>216–235</b>	60–94	236–350	95–99
6	100–196	1–9	197–220	10–62	<b>221–237</b>	63–92	238–350	93–99
7	100–199	1–10	200–222	11–61	<b>223–242</b>	62–94	243–350	95–99
8	100–202	1–13	203–225	14–63	<b>226–244</b>	64–93	245–350	94–99

\*Bolded numbers indicate the cut scores considered to be at least proficient for accountability purposes.  
 \*\*Spring cut scores were extrapolated from the Grade 3 cohort using the 2015 MAP Growth norms.

# Districts using NWEA

- BPS currently uses the test as a formative assessment
- Use as One of the Components for Selective Enrollment Schools

Chicago Public Schools	Uses percentile scores on Reading and Math as part of the admissions criteria (combined with grades and an admission exam)
Metro Nashville Public Schools	Converts MAP scores into a stanine score, which is a 9-point scale. Scores are accepted from nationally normed tests. ( <a href="#">Link</a> )