



Computer Adaptive Test Recommendation

April 19, 2016

Background

- Discontinued use of STAR assessment due to multiple concerns related to data and service
- Need replacement assessment to provide a nationally normed measure in reading and math (growth and achievement)
 - Required for Response to Intervention
- Engaged in process to recommend an assessment to replace STAR

Essential Questions

- Which computer adaptive assessment is the best fit for D36?
- How can computer adaptive, nationally-normed tests provide D36 with feedback on student progress?
- How do we use the data we collect from computer adaptive tests?

At-a-Glance Process

- Identified NWEA MAP and Scantron Performance Series as assessments for review (based on 2012 work)
- Interviewed assessment users at local, similar districts
- Surveyed D36 staff
- Honed in on NWEA MAP
- Conferred with lead researchers at NWEA MAP
- Held a Q&A session with NWEA MAP with key D36 staff

NWEA MAP Recommendation - Primary Rationale

- Growth data is more accurate, as the system accounts for length of time between assessments
- Uses multiple data points to determine expected growth
- NWEA will provide guidance in setting appropriate growth and achievement goals at a systems level
- Reports are broken down into domains/instructional areas rather than simply “reading” and “math”
- Reports show students’ scores over multiple years

Limitations of NWEA MAP

- Provides measures based on ~40-60 minutes of multiple-choice testing
- Not a measure of grade level content mastery; achievement and growth measures are based on predictive statistics
- Comparisons to students in districts with similar demographics are unavailable
- Students performing at the extreme high-end can have lower scale scores on their post-test and still meet growth predictions

What feedback does MAP data provide D36?

At a student level, MAP can be used to...

- Report a nationally normed data point (achievement)
- Report if student met expected score - fall to spring (growth)
- Monitor student performance year-to-year
- Serve as a universal screener and progress monitoring tool for RtI

At a District level, MAP can be used to...

- Report school and district performance over time (curricular feedback)
- Monitor cohorts of students
- Monitor % of students meeting growth targets by local and national quartile

How will D36 use MAP data to monitor District-Level Achievement & Growth?

- Achievement
 - National percentile rankings
 - Percentage of D36 students in national quartiles and 90th+ percentile
- Growth
 - Percentage of students meeting growth targets
 - Percentage of D36 students meeting growth targets by local quartile (spring only)
 - **MAP recommends a goal of 50% of students meeting growth targets**

Recommendations for Implementation

- Initial implementation in Spring 2016 (recommended by MAP)
 - Assessing a random sample of students Grade 3-7
 - Training a portion of the staff
- Full implementation in Fall 2016
 - Teacher training on test administration and reporting
 - Parent education
 - Parents will receive score reports each spring