

**School Board Meeting:**

June 11, 2012

**Subject:**

Spring MAP Results

**Presenter:**

Pam Miller

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**SUGGESTED SCHOOL BOARD ACTION:**

Report only.

**DESCRIPTION:**

**Background**

Our district has now completed the seventh year of NWEA's *Measures of Academic Progress* (MAP) testing. Students in Grades 2-8 are tested in reading and math during fall and spring testing windows. In addition, select students at BHS and PLC are tested for remediation identification. MAP test results are just one piece of standardized assessment data to determine the amount of student growth in reading and math on an annual basis, as well as over time.

MAP results provide us with a large amount of data to analyze and aide in making programmatic decisions in reading and math. District analysis is considered through the following comparisons:

- BHM Schools vs. NWEA Norm Group
- Percentage of students meeting growth targets
- RIT Scores Spring 2012 vs. RIT Scores Spring 2011
- Average Growth Target Index

District personnel and site principals will analyze all district and site MAP data, along with other assessment data, to determine appropriate improvement strategies for the 2012-13 school year.

The BHM spring MAP results are once again very positive results when comparing to the NWEA norm group.

**District MAP Analysis Summary**

**BHM Schools vs. NWEA Norm Group**

In both reading and math, the spring results of all seven grade levels tested (Grades 2-8) show BHM students scoring significantly above the national norm. According to NWEA, a score that is statistically significant is one that is  $\pm 3$  RIT points as compared to the NWEA normative group.

### **Percentage of Students Meeting Growth Targets**

In both reading and math, the percent of students meeting or exceeding their growth targets at **all** grade levels is at or above 60%, which NWEA considers to be "high-performing."

### **RIT Scores Spring 2012 vs. RIT Scores Spring 2011**

In reading, all grade levels tested attained a very similar RIT score than the previous year's students at each grade level, but none of the increases are statistically significant. Only the grade 6 comparison is a statistically significant increase.

In math, all grade levels tested attained a very similar RIT score to the previous year's students at each grade level. None of the comparisons are statistically significant.

### **Average Growth Target Index**

A more accurate reflection of academic growth in reading and math is to examine the mean growth by RIT scores, as well as the growth index at each grade level. The mean growth is the average number of RIT points gained by students at any given grade level. The growth index compares the average growth of the norm group with that of our district's students. For example, the mean growth of Grade 5 math students in the norm group is 8.0 RIT points. This year, the BHM Grade 5 math students grew 14.5 RIT points. This gives us a growth index of +6.5 (14.5-8.0). When comparing that growth index to the NWEA research of schools nationwide, this places us at the 99<sup>th</sup> percentile.

As we examined the mean growth and the growth index for each grade level in both reading and math for Spring 2012, we can celebrate the following results:

#### Reading

- Growth indices at grades 3, 4, 5, 6, 7, and 8 place us at or above the 90<sup>th</sup> percentile as compared to other schools nationwide, which is our district goal.
- The grade 2 growth index is close to the 70<sup>th</sup> percentile.

#### Math

- Growth indices at grades 3, 4, 5, and 8 all indicate our performance above the 90<sup>th</sup> percentile as compared to other schools nationwide, which is our district goal.
- The grade 2 growth index is at the 80<sup>th</sup> percentile, the grade 6 growth index is at the 70<sup>th</sup> percentile, and the grade 7 growth index is at the 80<sup>th</sup> percentile.

All positive growth target index rates indicate a growth rate higher than that of peers nationwide. As we examine the BHM data, we recognize positive growth index rates at all grade levels and all sites in reading with the exception of Tatanka 2<sup>nd</sup> grade. Looking at math, we see positive growth index rates at all grade levels and all sites with the exception of Discovery 3<sup>rd</sup> grade. In the Spring 2011 data, there were other grade levels at other sites that displayed negative growth index data, so this is common and is not a trend at any particular grade level or a particular site. This does not indicate lack of growth in reading and math at those particular grades and sites – this is a comparison of the amount of growth to other peer groups nationwide.

### **Next Steps**

The administrative team has not yet had an opportunity to discuss the spring results, but will have the opportunity to do so this summer. In August at the district's data retreat, building teams will further analyze the results along with MCA assessment data.

#### Attachments:

MAP Reading & Math Strand Report 2011-2012

MAP Reading & Math Growth and Proficiency Report Spring 2012