Focused on Growth: Key MAP Reports and Resources
Our mission: Partnering to help all kids learn®
Our purpose: Growth and improvement of learning
In this session: Key outcomes

• Define key concepts
• Identify MAP reports and tools to examine growth
• Understand the benefits and considerations of MAP resources
• Learn how to apply MAP growth resources in your setting
In this session: Focused on Growth

• **Part 1:** Analyzing Growth – Student and Class
• **Part 2:** Analyzing Growth – Grade and School
• **Part 3:** Understanding Growth – Context Matters
• **Part 4:** Professional Development and Instructional Resources
Defining: Student Growth
Defining: Assessment Literacy

Assessment-literate educators:

**Data Literacy**
Demonstrate data literacy

**Assessment Quality**
Know how to create or select high-quality assessments

**Integrate**
Know how to integrate assessment practices and results into action

**Communicate**
Know how to communicate accurately about student learning
Growth Toolkit: Reports & Resources

Reports
- Achievement Status & Growth Reports
- School Growth Summary Reports

Tools
- Achievement Status & Growth Calculator
- School Growth Calculator
- College Readiness Linking Study
- State Linking Study
## Class Report

Reband, Frank N  
Class: Advanced Math 4(AB)  

### Term Rostered:  
Fall 2013-2014  
Term Tested:  
Fall 2013-2014  
District:  
NWEA Sample District 11 - Professio  
School:  
Mt. Bachelor Middle School  
Small Group Display:  
No

### Reading

MAP: Reading 6+ Common Core 2010 V2 / Common Core English Language Arts K-12: 2010

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**Analyzing Growth – Student and Class**
### Class Report

**Reband, Frank N**  
**Class:** Advanced Math 4(AB)

**Term Rostered:** Fall 2013-2014  
**Term Tested:** Fall 2013-2014  
**District:** NWEA Sample District 11 - Professional  
**School:** Mt. Bachelor Middle School  
**Small Group Display:** No

#### Reading

**MAP: Reading 6+ Common Core 2010 V2 / Common Core English Language Arts K-12: 2010**

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**Analyzing Growth – Student and Class**
# Achievement Status and Growth Projection Report

Reband, Frank N.
Advanced Math 4(AB)

- **Term Rostered:** Fall 2013-2014
- **Term Tested:** Fall 2013-2014
- **District:** NWEA Sample District 11 - Professional Development
- **School:** Mt. Bachelor Middle School
- **Grouping:** None
- **Small Group Display:** No
- **Growth measured from:** Fall 2013 to Spring 2014

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## Additional Notes

- **Analyzing Growth – Student and Class**
- NWEA logo
Questions about Growth

• When is typical growth good enough?
• What growth might we want to see in Pepper in year one? Year 3?
• How is the conversation similar or different for Genevieve? Carmen?
• What information does Frank need to set an appropriate and challenging goal for both Genevieve and Carmen?
**What is it?**

*Achievement Status & Growth Calculator*

**Where is it?**

“Norms Study Resources” in both Web-Based MAP and Client-Server MAP

**What does it do?**

- Predict data in a “what if” scenario for both growth and status norms
- Use for small groups and individual students
### Projected growth from ASG fall to spring

- **Pepper**: 5 RIT
- **Carmen**: 4 RIT
- **Genevieve**: 2 RIT

### What if?

- **Pepper**: grew 10 RIT?
- **Carmen**: grew 8 RIT?
- **Genevieve**: grew 4 RIT?
- Percentile rank for growth
- Percentile rank for achievement
- Conditional growth index

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<th>Student's Status Percentile</th>
</tr>
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<tbody>
<tr>
<td>13</td>
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</table>

<table>
<thead>
<tr>
<th>Growth Norms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observed Student Growth</td>
</tr>
<tr>
<td>SEM of Observed Student Growth</td>
</tr>
<tr>
<td>Growth Projection</td>
</tr>
<tr>
<td>SD of Growth</td>
</tr>
</tbody>
</table>

| Conditional Growth Index  | 0.60 |
| Student's Growth Percentile | 73   |
Accessing the calculators in Web-based NWEA RIT Scale Norms Study Resources.

RESOURCES TO HELP YOU USE AND INTERPRET NWEA RIT SCALE NORMS

FOR MORE INFORMATION AND TO DOWNLOAD EACH RESOURCE, PLEASE FOLLOW THE LINKS BELOW.

2011 RIT Scale Norms Study
- RIT Scale Norms Study Data Files
- Achievement Status and Growth (ASG) Calculator
- Conditional Growth Index FAQ
- Conditional Growth Index Video Overview
- Normative Data - 2011
- Comparative Data to Inform Instructional Decisions
- 2012 School Norms User’s Guide
- 2012 School Norms FAQ (updated regularly)
- 2012 School Norms Calculator (requires Excel for Windows 2000 or newer, or Excel for Mac 2011.)
Accessing the calculators in Client-server
Key Metrics: Explained

Where is it found?
Achievement Status and Growth Report

What does it mean?
The percent of students in a class who met or exceeded their projected RIT score on Test Event 2. Projections come from NWEA growth norms and are based on the student’s grade level and RIT score in Test Event 1.
Key Metrics: Explained

The Metric
Percent of Students who Met or Exceeded their Projected RIT

Example
72%

Benefits
• Percent of students who are “on track”
• Could be compared to predetermined benchmark
• Could use prior data to set targets
Key Metrics: Explained

The Metric
Percent of Students who Met or Exceeded their Projected RIT

Example
72%

Items to Consider
• “Typical” is 50-55% of students
• Different academic and demographic distributions of students by class
• Factors outside a teacher’s control (i.e. SES, ELL)
Key Metrics: Explained

Where is it found?
The Achievement Status and Growth Report

What does it mean?
This percentage reflects the cumulative sum of actual growth experienced by all the students in a class compared to the cumulative sum of the projected growth for all students in the class.
Key Metrics: Explained

The Metric
Overall Percentage of Projected RIT Met or Exceeded

Example
233.8%

Benefits
• How much growth a group of students have shown relative to growth projection
• Could be compared to a predetermined benchmark
• Could use prior data to set percentage target
Key Metrics: Explained

The Metric

Overall Percentage of Projected RIT Met or Exceeded

Example

233.8%

Some Things to Consider

- No current context for what is considered “typical” at the classroom, grade, or school level
- Can be heavily influenced by outliers
- Factors outside a teacher’s control (i.e. SES, ELL)
## Student Growth Summary Report

**Aggregate by School**

### Mt. Bachelor Middle School

#### Reading

<table>
<thead>
<tr>
<th>Grade (Spring 2013)</th>
<th>Fall 2012</th>
<th>Spring 2013</th>
<th>Actual Growth</th>
<th>Projected Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mean RIT</td>
<td>Std Dev</td>
<td>Mean RIT</td>
<td>Std Dev</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------</td>
<td>-------------</td>
<td>---------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>6</td>
<td>216.4</td>
<td>11.2</td>
<td>220.9</td>
<td>11.3</td>
</tr>
<tr>
<td>7</td>
<td>212.4</td>
<td>11.3</td>
<td>223.5</td>
<td>11.6</td>
</tr>
<tr>
<td>8</td>
<td>219.7</td>
<td>8.8</td>
<td>223.8</td>
<td>10.1</td>
</tr>
<tr>
<td>9</td>
<td>222.6</td>
<td>12.8</td>
<td>225.1</td>
<td>12.8</td>
</tr>
</tbody>
</table>

**Reading**

- **Mean of Growth**
- **Mean of Growth Projection**

### Analyzing Growth – Grade and School
Key Resources

What is it?
School Norms Calculator

Where is it?
In the “Norms Study Resources” in both Web-Based MAP and Client-Server MAP

What does it do?
Allows you to compare the performance of grade levels in your school to the performance of the same grade levels across the country.
### School Norms Calculator

#### Analyzing Growth – Grade and School

<table>
<thead>
<tr>
<th>Subject</th>
<th>Status</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Term</td>
<td>Term to Term</td>
</tr>
<tr>
<td>Grade</td>
<td>Term Offset</td>
<td>Grade Mean RIT Score</td>
</tr>
<tr>
<td>K</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>0</td>
<td></td>
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<tr>
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<td>0</td>
<td></td>
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<tr>
<td>6</td>
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</tr>
<tr>
<td>7</td>
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<td></td>
</tr>
<tr>
<td>8</td>
<td>0</td>
<td></td>
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<td>9</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>
Key Metrics: Explained

The Metric

Percentile Ranks for Growth (School Level)

Example

71 Percentile

Where is it found?
School Norms Calculator

What does it mean?
Compared to other grade levels around the country from the NWEA growth norms, the percentile rank of the growth experienced by your grade level

Analyzing Growth – Grade and School
Key Metrics: Explained

The Metric

Percentile Ranks for Growth (School Level)

Example

71

Percentile

Benefits

• Reflects changes over measured period

• Places in context of grades across the country

• Considers starting achievement level

• Set future growth goals based on prior data

Analyzing Growth – Grade and School
Key Metrics: Explained

The Metric

Percentile Ranks for Growth (School Level)

Example

71

Percentile

Some Things to Consider

• Does not consider other unique factors

• Norming information at the grade level

Analyzing Growth – Grade and School
Notes on Calculators

• Available in Destination PD™

• Can only use one at a time

Analyzing Growth – Grade and School
Understanding Growth – Context Matters

Understanding Context

- Norms
- College and Career Readiness
- State Linking Studies
Student Norms

- % of students who meet or exceed their projected RIT
- Overall percentage of projected RIT met or exceeded
- Percentile ranks for growth (student level)
- Percentile ranks for achievement (student level)
- Conditional growth index

School Norms

- Percentile ranks for growth (grade level)
- Percentile ranks for achievement (grade level)
What is it?
• Research study conducted by NWEA
• Provides MAP correlations to ACT®
• Contains ‘projected’ scores

Who is it for?
• Students
• Teachers
• Administrators
### Table 1 – Minimum Estimated Same-Season (Spring) RIT Cut Scores Corresponding to College Readiness Benchmarks

#### MAP Reading RIT Score as Predictor – Same Season

<table>
<thead>
<tr>
<th>Grade</th>
<th>Reading College Readiness Test</th>
<th>MAP Benchmark</th>
<th>MAP Cut Score</th>
<th>MAP Normative Percentile Rank</th>
<th>English College Readiness Test Benchmark</th>
<th>MAP Cut Score</th>
<th>MAP Normative Percentile Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>EXPLORE Reading</td>
<td>15</td>
<td>230</td>
<td>70</td>
<td>EXPLORE English</td>
<td>13</td>
<td>220</td>
</tr>
<tr>
<td>10</td>
<td>PLAN Reading</td>
<td>17</td>
<td>234</td>
<td>73</td>
<td>PLAN English</td>
<td>15</td>
<td>227</td>
</tr>
<tr>
<td>11</td>
<td>ACT Reading</td>
<td>21</td>
<td>237</td>
<td>77</td>
<td>ACT English</td>
<td>18</td>
<td>232</td>
</tr>
</tbody>
</table>

#### MAP Language Usage RIT Score as Predictor – Same Season

<table>
<thead>
<tr>
<th>Grade</th>
<th>Reading College Readiness Test</th>
<th>MAP Benchmark</th>
<th>MAP Cut Score</th>
<th>MAP Normative Percentile Rank</th>
<th>English College Readiness Test Benchmark</th>
<th>MAP Cut Score</th>
<th>MAP Normative Percentile Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>EXPLORE Reading</td>
<td>15</td>
<td>229</td>
<td>72</td>
<td>EXPLORE English</td>
<td>13</td>
<td>219</td>
</tr>
<tr>
<td>10</td>
<td>PLAN Reading</td>
<td>17</td>
<td>232</td>
<td>73</td>
<td>PLAN English</td>
<td>15</td>
<td>225</td>
</tr>
<tr>
<td>11</td>
<td>ACT Reading</td>
<td>21</td>
<td>234</td>
<td>76</td>
<td>ACT English</td>
<td>18</td>
<td>228</td>
</tr>
</tbody>
</table>

#### MAP Mathematics RIT Score as Predictor – Same Season

<table>
<thead>
<tr>
<th>Grade</th>
<th>Mathematics College Readiness Test</th>
<th>Benchmark</th>
<th>MAP Cut Score</th>
<th>MAP Normative Percentile Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>EXPLORE Math</td>
<td>17</td>
<td>245</td>
<td>72</td>
</tr>
<tr>
<td>10</td>
<td>PLAN Math</td>
<td>19</td>
<td>251</td>
<td>77</td>
</tr>
<tr>
<td>11</td>
<td>ACT Math</td>
<td>22</td>
<td>258</td>
<td>83</td>
</tr>
</tbody>
</table>
### MAP Reading RIT Score as Predictor – Same Season

<table>
<thead>
<tr>
<th>Grade</th>
<th>Reading College Readiness Test</th>
<th>Benchmark</th>
<th>MAP Cut Score</th>
<th>MAP Normative Percentile Rank</th>
<th>English College Readiness Test</th>
<th>Benchmark</th>
<th>MAP Cut Score</th>
<th>MAP Normative Percentile Rank</th>
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<tr>
<td>8</td>
<td>EXPLORE Reading</td>
<td>15</td>
<td>230</td>
<td>70</td>
<td>EXPLORE English</td>
<td>13</td>
<td>220</td>
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<td>PLAN Reading</td>
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<td>73</td>
<td>PLAN English</td>
<td>15</td>
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<tr>
<td>11</td>
<td>ACT Reading</td>
<td>21</td>
<td>237</td>
<td>77</td>
<td>ACT English</td>
<td>18</td>
<td>232</td>
<td>68</td>
</tr>
</tbody>
</table>

ACT Reading Benchmark: **21**
MAP Cut Score: **237**
MAP Percentile: **77**

Class: **218**
Pepper: **187**
Carmen: **210**
Genevieve: **236**
State Linking Studies

What is it?
• Research studies conducted by NWEA
• Provides MAP correlations to state assessment
• Contains ‘cut scores’

Considerations
• Percentiles vary by grade level
• Not available for all states
• Cut scores may or may not be above normative data
• Future studies for PARCC or SBAC
PD: Online Options

community.nwea.org

Professional Development and Instructional Resources
PD: Online Options

destinationpd.nwea.org

Recommended Courses
- Growth Tools for MAP WB/CS
- Dynamic Reporting Suite
- Linking Studies for MAP

Professional Development and Instructional Resources
PD: Face-to-Face Options

• Workshops (MAP Foundation Series)
  – Focusing on Growth workshop
  – Informing Instruction workshop (*New & Improved Feb 15*)

• Data Coaching Services
  – Consider these themes; customize with your facilitator:
    • Culture of Data Use
    • Data Conversations
    • Goal-Focused Planning
    • Assessment Program Alignment
Instructional Resources

- The Learning Continuum (Web-Based)
- RITtoResource.org
- MAP to Khan Academy
3 Questions to Consider

1. Why are you measuring growth?
2. What criteria will you use to know if students are making *appropriate* or *adequate* growth?
3. Which resources will help you set growth goals?
Learn More:
Contact your Account Manager at 503-624-1951
Or visit NWEA.org/growth

Thank you!