



# **Al Bayan Bilingual School**

## **MAP Growth™ (Measures of Academic Progress) An Introduction for Parents**

**September 2017**

# What is MAP Growth™?



**BBS administers the web based NWEA Measures of Academic Progress (MAP Growth™) assessment for students from Grade 1 to Grade 10:**

- **When: Twice a year at the beginning (Fall) and at the end of the school year (Spring)**
- **Subjects: Reading (for Grades 1-10), Mathematics( for Grades 1-10) and Language Usage( for Grades 3 to 10)**
- **Why: To monitor student academic growth and guide teaching**
- **How: Students are tested on a computer/IPAD in the subjects (each subject on a different day)**



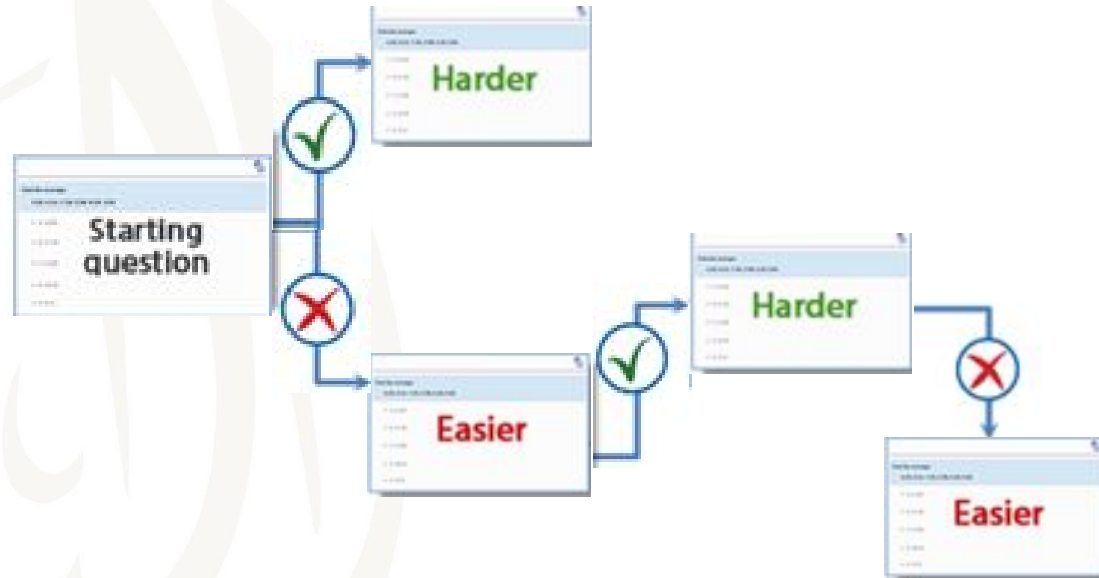
# How Does MAP Growth™ Work?



- The tests are computerized
- The tests are adaptive, meaning the test will adjust based on how the students answers
- MAP Growth™ builds a unique test for each student according to his/her academic ability



# How Does MAP Growth™ Work?



[Warmup Link](#) for Grades 1-2

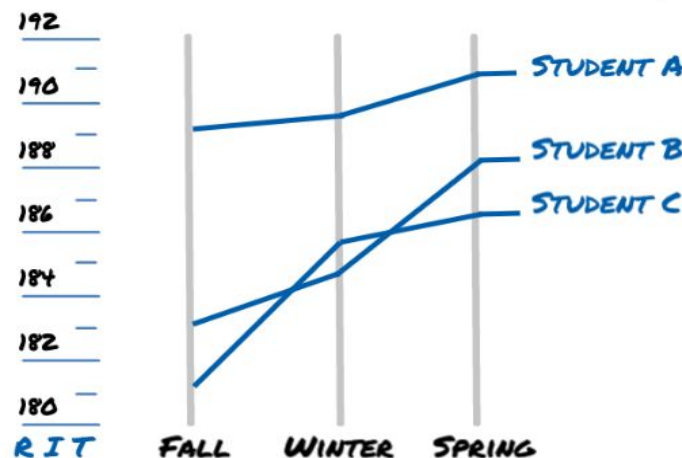
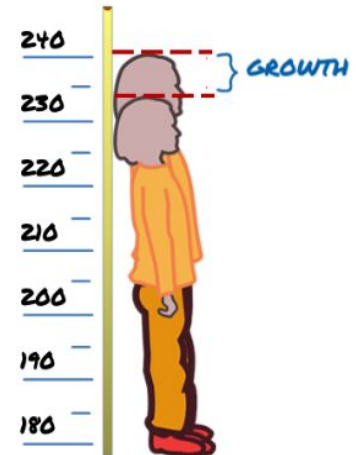
[Warmup Link](#) for higher grades

# How Does MAP Growth™ Work?



MAP Growth™ results are reported in RIT units:

- RIT is the scale used to measure students' progress
- It is an equal interval scale much like feet and inches on a yardstick
- This measurement allows us to chart students' academic growth from term to term



# Why Do We Administer MAP Growth™ at BBS?



## Benefits to students

- The test dynamically adapts to each student's level of learning
- The results allow us to monitor student growth
- Through the reports available to teachers, MAP Growth™ provides immediate data allowing teachers to pinpoint where students are ready to advance and where they need help

Edit Display Options		
Operations and Algebraic Thinking		
Expressions and Equations		
Use Functions to Model Relationships		
	<b>Coordinate Geometry</b> <ul style="list-style-type: none"><li>Interprets points with whole number coordinates in the first quadrant within the given context</li></ul>	<div></div> <div>Overall RIT: 192 Goal Range: 189-201</div>
191-200	<b>Patterns/Sequences/Series</b> <ul style="list-style-type: none"><li>Analyzes and describes patterns without stating the rule</li><li>Creates or extends growing/shrinking shape patterns, given the rule</li><li>Recognizes skip-counting patterns in 100s charts</li></ul>	<div></div> <div>Overall RIT: 195 Goal Range: 187-199</div>
		<div></div> <div>Overall RIT: 209 Goal Range: 200-212</div>
	<b>Linear Functions</b> <ul style="list-style-type: none"><li>Identifies the table of values given a verbal description of a nonproportional linear relationship</li></ul>	<div></div> <div>Overall RIT: 211 Goal Range: 203-215</div>
201-210	<b>Patterns/Sequences/Series</b> <ul style="list-style-type: none"><li>Analyzes and describes patterns without stating the rule</li><li>Creates or extends growing/shrinking shape patterns, given the rule</li><li>Creates or extends number patterns, given the rule</li></ul>	<div></div> <div>Overall RIT: 197 Goal Range: 196-208</div>

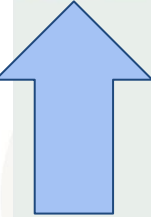
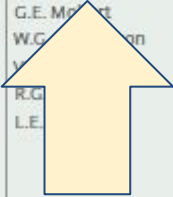
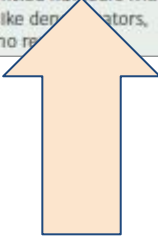


# Why Do We Administer MAP Growth™ at BBS?



## Benefits to students

Here's an example of how reports are used to guide instruction:

RIT Range	Student Groups	Skills from Selected Learning Statements	Student Activities/ Instructional Strategies	Assessment
<b>Group 2 RIT Range: 201–230</b> 	 O.K. Techmeyer G.E. McPart W.G. ... R.C. L.E.	<ul style="list-style-type: none"> <li>Solves one-step word problems involving addition and subtraction of fractions with like denominators</li> <li>Solves one-step word problems involving addition and subtraction of mixed numbers with like denominators</li> <li>Adds and subtracts fractions with like denominators</li> <li>Adds and subtracts fractions with like denominators using models other than number lines</li> <li>Solves one-step word problems involving addition and subtraction of fractions with like denominators using models</li> <li>Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, no remainder</li> </ul> 	<b>Small Group Lesson</b> <ul style="list-style-type: none"> <li>Learning Targets: 1) Students will be able to change a mixed number into an improper fraction. 2) Students will be able to add and subtract mixed fractions.</li> <li>Activity: Review strategies for adding mixed numbers, such as adding fractions together and then adding the whole numbers together. Review strategies for subtracting mixed numbers, such as replacing each mixed number with an equivalent fraction. Have students review and practice changing a mixed number into an improper fraction, adding mixed numbers using strategies and subtracting mixed numbers using strategies.</li> <li>Resources:                             <ul style="list-style-type: none"> <li>» <a href="https://www.khanacademy.org/math/cc-fourth-grade-math/cc-4th-fractions-topic/cc-4th-mixed-numbers/v/adding-subtracting-mixed-numbers-0-5-ex-1">https://www.khanacademy.org/math/cc-fourth-grade-math/cc-4th-fractions-topic/cc-4th-mixed-numbers/v/adding-subtracting-mixed-numbers-0-5-ex-1</a></li> <li>» <a href="https://www.khanacademy.org/math/cc-fourth-grade-math/cc-4th-fractions-topic/cc-4th-mixed-numbers/e/converting-mixed-numbers-and-improper-fractions">https://www.khanacademy.org/math/cc-fourth-grade-math/cc-4th-fractions-topic/cc-4th-mixed-numbers/e/converting-mixed-numbers-and-improper-fractions</a></li> <li>» <a href="http://www.onlinemathlearning.com/mixed-numbers-4nf3.html">http://www.onlinemathlearning.com/mixed-numbers-4nf3.html</a></li> </ul> </li> </ul>	Students solve one-step addition and subtraction word problems with mixed numbers with like denominators.

# Why Do We Administer MAP Growth™ at BBS?



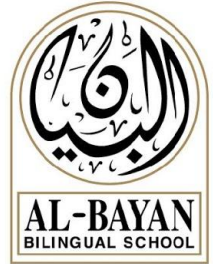
## Benefits to students

- These reports help the teachers see where students are on the learning ladder and what skills need to be reinforced, developed, or introduced.

← 191-200	201-210	211-220	221-230	231-240	241-250	251-260	261-270	271-280	281-290
The Real and Complex Number Systems									
Ratios and Proportional Relationships									
Perform Operations									
Extend and Use Properties									
Geometry									
Geometric Measurement and Relationships									
← 241-250		251-260				261-270 →			
Reinforce these skills & concepts		Develop these skills & concepts				Introduce these skills & concepts			
		Rates/Ratios/Proportions/Percents							
<ul style="list-style-type: none"> <li>• Applies scale factors to solve problems involving geometric figures</li> <li>• Applies scale factors to solve problems involving scale drawings, maps,</li> </ul>		<ul style="list-style-type: none"> <li>• Applies scale factors to solve problems involving geometric figures</li> <li>• Applies scale factors to solve problems involving scale drawings, maps,</li> </ul>							



# Why Do We Administer MAP Growth™ at BBS?



## Benefits to the overall school performance:

- In addition to the benefits to students, MAP Growth™ results provide insights on how other student in international schools are performing in addition to students in the GCC, Kuwait and in school members of NESAC



*For Spring 2017 results, BBS student across all grades outperformed other students in Kuwait in all 3 subjects*



- Being a data driven school, MAP Growth™ reports allow us to evaluate our programs and rely on valid data as a factor in the decisions that the school takes



*We use data from several sources such as Achieve 3000, Fountas and Pinnell reading tests and compare it to MAP Growth™ data to take informed decisions.*

# Reading the Student Goal Setting Worksheet



Along with the report cards, you will receive a copy of the Student Goal Setting Worksheet which shows the MAP Growth™ the student's test history and growth projections in the 3 subjects tested

Student Goal Setting Worksheet																															
<b>NWEA</b> <small>Norwest Evaluation Association</small> <small>Partnering to help all kids learn</small>		<b>Norms Reference Data:</b> 2015 <b>Growth Comparison Period:</b> Fall 2016 to Spring 2017 <b>Weeks of Instruction:</b> Start - 4 (Fall 2016) End - 32 (Spring 2017)																													
<b>District:</b> Al-Bayan Bilingual School <b>School:</b> Al-Bayan Bilingual School 2 <b>Term Rostered:</b> Fall 2016-2017																															
<b>Mathematics (MAP: Math 6+ AERO 2015)</b>																															
<p>Projected RIT 223 My Goal _____ RIT Growth *</p>	<table border="1"> <thead> <tr> <th></th> <th>FA16</th> <th>WI17</th> <th>SP17</th> </tr> </thead> <tbody> <tr> <td>Overall RIT Score</td> <td colspan="3">217</td> </tr> <tr> <td>Goal Performance</td> <td colspan="3"></td> </tr> <tr> <td>Operations and Algebraic Thinking</td> <td colspan="3">206-218</td> </tr> <tr> <td>The Real and Complex Number Systems</td> <td colspan="3">216-228</td> </tr> <tr> <td>Geometry</td> <td colspan="3">215-227</td> </tr> <tr> <td>Statistics and Probability</td> <td colspan="3">207-219</td> </tr> </tbody> </table>				FA16	WI17	SP17	Overall RIT Score	217			Goal Performance				Operations and Algebraic Thinking	206-218			The Real and Complex Number Systems	216-228			Geometry	215-227			Statistics and Probability	207-219		
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<b>Student Action Plan:</b> _____  _____																															
<b>Reading (MAP: Reading 6+ AERO 2012 V2)</b>																															
<p>Projected RIT 221 My Goal _____ RIT Growth *</p>	<table border="1"> <thead> <tr> <th></th> <th>FA16</th> <th>WI17</th> <th>SP17</th> </tr> </thead> <tbody> <tr> <td>Overall RIT Score</td> <td colspan="3">218</td> </tr> <tr> <td>Goal Performance</td> <td colspan="3"></td> </tr> <tr> <td>Literature</td> <td colspan="3">208-220</td> </tr> <tr> <td>Informational Text</td> <td colspan="3">211-223</td> </tr> <tr> <td>Vocabulary Acquisition and Use</td> <td colspan="3">218-230</td> </tr> </tbody> </table>				FA16	WI17	SP17	Overall RIT Score	218			Goal Performance				Literature	208-220			Informational Text	211-223			Vocabulary Acquisition and Use	218-230						
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<b>Lexile® Range</b> 825-975L																															

# Students Goal Setting Worksheet Description Guide



## Preview:

BBS administers the web based NWEA Measures of Academic Progress® (MAP®) assessment twice a year: at the beginning (Fall) and end of the school year (Spring), in the subjects of Reading, Language Usage, and Mathematics.

## Purpose of MAP®:

The purpose of this test is to better understand the set of skills and concepts that each student already has and needs to develop in the subjects tested. At BBS, we use the MAP® results to monitor growth from term to term and from year to year rather than looking at MAP® scores at a single point in time. For more information about MAP®, please visit BBS website under "About" -> "Measures of Academic Progress" and click on the "NWEA Parent Toolkit". The toolkit is also accessible under Parent Resources on the website.

## Student Goal Setting Sheet Description



The Student Goal Setting Sheet which your child has received shows his/her test history and growth projections\* in the 3 subjects tested.

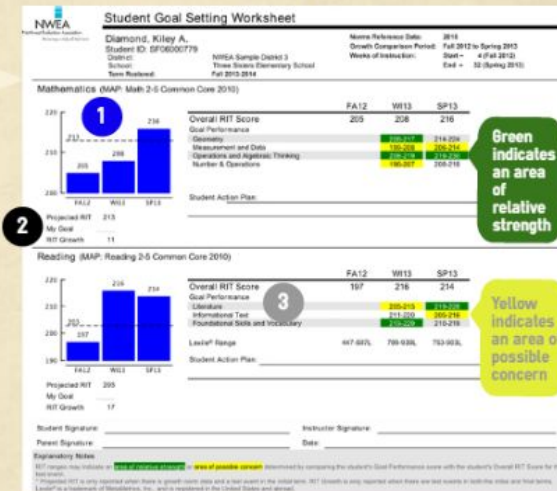
**1** Growth Bar Graph: Shows student's MAP® scores in RIT\*\* points and growth projections in Math, Reading and Language Usage for a specific period of time (Fall & Spring testing periods).

**Projected RIT:** The amount the student's RIT score is predicted to change from Fall to Spring based on student growth.

**2** My Goal: A place to record the student's individual goals



**RIT Growth:** The student's RIT point growth from Fall to Spring.



# Students Goal Setting Worksheet



Parents of BBS students can use this sheet to :

- Get involved with their child's set goals and the action plans agreed upon.




- As a reference to support the student in the areas shown as possible concern and work on the strategies/resources discussed by the teacher.

# Parent Resources:

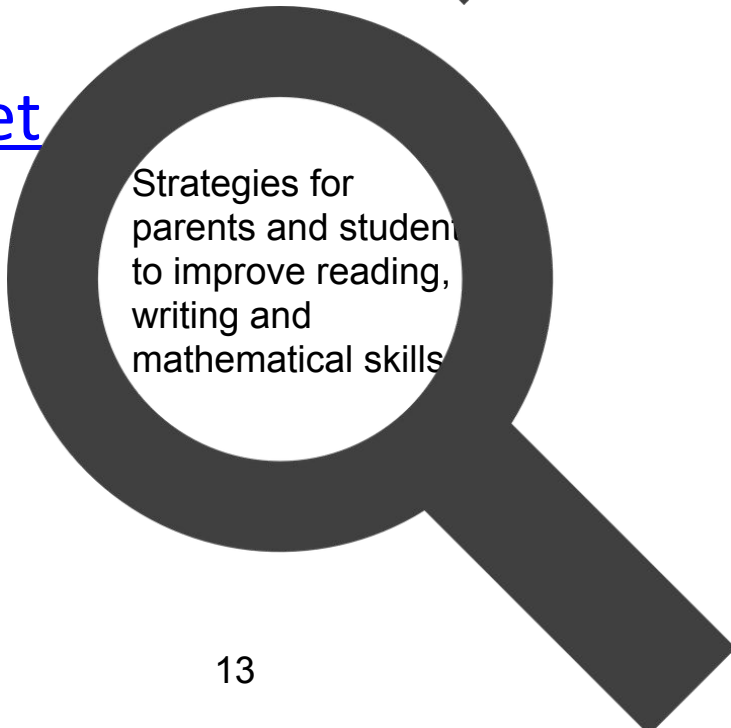


- [Parent Guide](#)



★ FAQ's  
★ Tips for parents

- [NWEA Strategies Packet](#)



Strategies for parents and students to improve reading, writing and mathematical skills



You may ask your child's teacher for more resources.