

RMS Algebra Goal

Define the Problem:

Algebra is the first in a series of higher-level math classes students need to succeed in college and life. Because many students fail to develop a solid math foundation, an alarming number of them graduate from high school unprepared for college or work. Many end up taking remedial math in college, which makes getting a degree a longer, costlier process than it is for their more prepared classmates, and it means they are less likely to complete a college-level math course. For middle school students and their parents, the message is clear: It is easier to learn the math now than to relearn it later.

Establish Measures:

- Fall and Spring NWEA Assessments. NWEA considers a student with RIT score of 230 to be ready for Introduction to Algebra and a RIT score of 235 to be ready for Algebra.
- Class Participation Data. Determine the number of students actively enrolled in Algebra Currently
- Class Academic Data. Determine the number of students successfully completing Algebra at RMS

Analyze Data:

Grade 6, 7, and 8 Spring Math Percent with RIT Score at 235 or greater

	Spring 2014	Spring 2013	Spring 2012
Class of 2018	45% (117/259)	41% (122/297)	37% (104/279)
Class of 2019	38% (125/328)	32% (103/321)	
Class of 2020	29% (90/309)		
Overall	37%	36%	37%

Grade 8 Algebra Participation (as of 5/27/2014)

62 of 336 (18% of total eighth grade students) Grade 8 Students are currently enrolled in Algebra 1

Grade 8 Algebra Success Rate (as of 5/27/2014)

54 (16% of total eighth grade students) have a C or better in the course as stored in the term D field in Infinite Campus.

Set Goals:

- 100% of students achieving a RIT score of 235 or above on their Grade 7 Spring NWEA Math Assessment are enrolled in Algebra
- x% of students achieving a RIT score of 230 - 234 enroll in Algebra
- 100% of students enrolled in Algebra successfully complete the course

Implement Changes:

- Create a clear and consistent data management plan
- PD focused on improved core math instruction and implementation of Glencoe resources
- Track the class of 2021 Longitudinally
- Ensure all Grade 7's with Spring RIT scores at or above 235 are automatically enrolled in the Algebra

Monitor Results: