

NWEA MAP Assessment

NEW MILFORD PUBLIC SCHOOLS DISTRICT-WIDE PARENT FORUM

Introduction

New Milford Public Schools Data Coach

Michael Clyne

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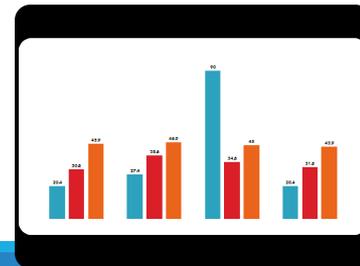
NWEA MAP Assessment Overview

Founded by educators nearly 40 years ago, Northwest Evaluation Association™ (NWEA™) is a global not-for-profit educational services organization known for our flagship interim assessment, Measures of Academic Progress® (MAP®).

Measures of Academic Progress® (MAP®) creates a personalized assessment experience by adapting to each student's learning level.

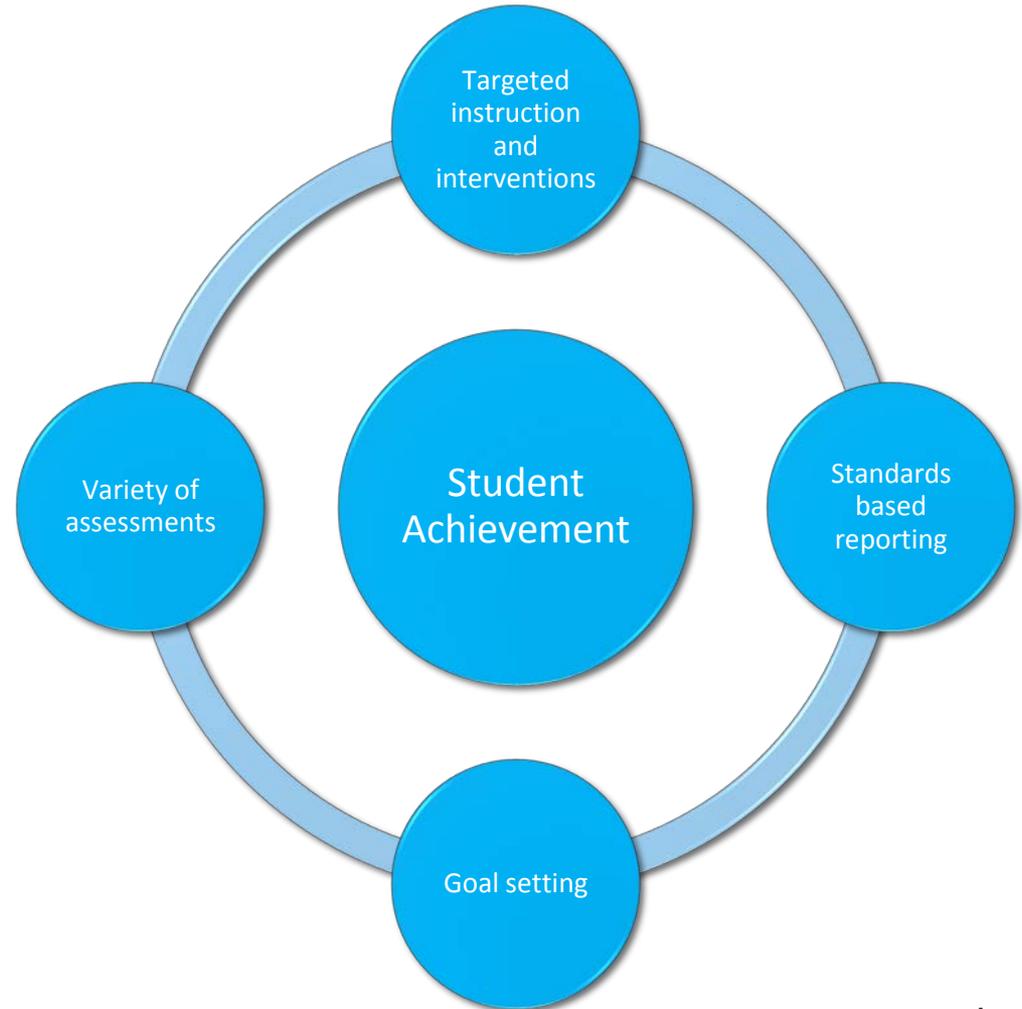
Annually roughly 10 million students participate in NWEA assessments and over half a billion historically.

More than 7,400 partners in U.S. schools, districts, education agencies, and international schools trust us to offer pre-kindergarten through grade 12 assessments that accurately measure student growth and learning needs, professional development that fosters educators' ability to accelerate student learning, and research that supports assessment validity and data interpretation.



NWEA MAP District Role

- 2014-15 is New Milford's 2nd full year with NWEA MAP assessments
- Developing perspective on district-wide norms, expectations, and reporting tools
- Three assessments (Reading, Math, and Language) given three times annually (Fall, Winter and Spring)





NWEA MAP Interpretations

What does the information mean and how is it helpful?

NWEA Norms

2011 READING STATUS NORMS (RIT VALUES)			
Grade	Beginning-of-Year Mean	Middle-of-Year Mean	End-of-Year Mean
K	142.5	151.0	157.7
1	160.3	170.7	176.9
2	175.9	183.6	189.6
3	189.9	194.6	199.2
4	199.8	203.2	206.7
5	207.1	209.8	212.3
6	212.3	214.3	216.4
7	216.3	218.2	219.7
8	219.3	221.2	222.4
9	221.4	221.9	222.9
10	223.2	223.4	223.8
11	223.4	223.5	223.7

2011 MATHEMATICS STATUS NORMS (RIT VALUES)			
Grade	Beginning-of-Year Mean	Middle-of-Year Mean	End-of-Year Mean
K	143.7	150.7	159.1
1	162.8	172.4	179.0
2	178.2	185.5	191.3
3	192.1	198.5	203.1
4	203.8	208.7	212.5
5	212.9	217.8	221.0
6	219.6	222.8	225.6
7	225.6	228.2	230.5
8	230.2	232.8	234.5
9	233.8	234.9	236.0
10	234.2	235.5	236.6
11	236.0	237.2	238.3

2011 LANGUAGE USAGE STATUS NORMS (RIT VALUES)			
Grade	Beginning-of-Year Mean	Middle-of-Year Mean	End-of-Year Mean
2	175.4	185.3	190.0
3	191.1	196.5	200.3
4	200.9	204.4	207.0
5	208.0	211.0	212.9
6	212.3	214.4	216.2
7	215.8	217.3	218.7
8	218.7	220.2	221.3
9	220.6	221.0	221.8
10	221.9	222.2	222.7
11	222.1	222.7	223.3

In the samples, each district's base school calendar was used to determine instructional days. Using the instructional days data, time frames for beginning-of-year tests, middle-of-year tests, and end-of-year tests were established. The centers of these time frames were roughly 20 days, 80 days, and 130 days from the beginning of the academic year of the student's school for the fall, winter and spring terms, respectively.

NWEA has established national norms from over 40 years of administration.

Norms help gain perspective on how students are performing in relation to their peers in New Milford and outside the district.

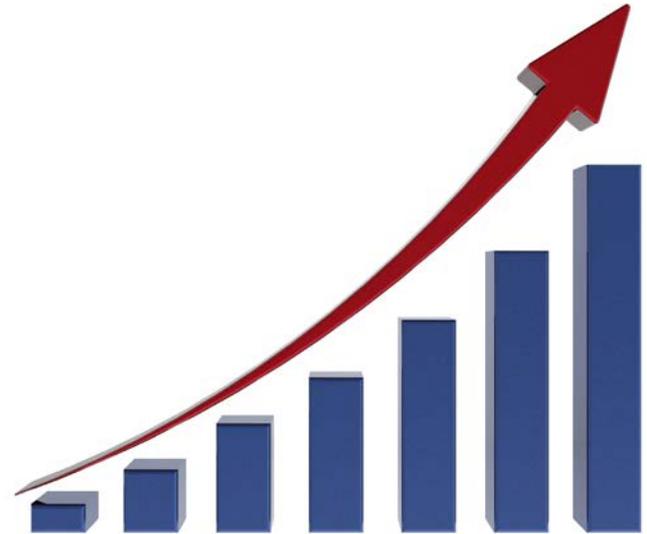
Norms are also factored into the growth that typical students are expected to achieve throughout the year.

Projected Growth Rates

Projected growth based on the norms, anticipates student achievement from student's fall scores.

Last year almost 58% of New Milford student met their projection, which is 8% higher than the national average of 50%.

On average our students grew roughly 115%, which is also higher than the national average of 100%.



Student Percentiles

Occasionally, growth for the students performing at the highest levels of the NWEA MAP assessments is better measured by examining changes in their nationally normed percentile.

Percentiles have enabled the district to examine results and compared them with other assessments we have historically administered.

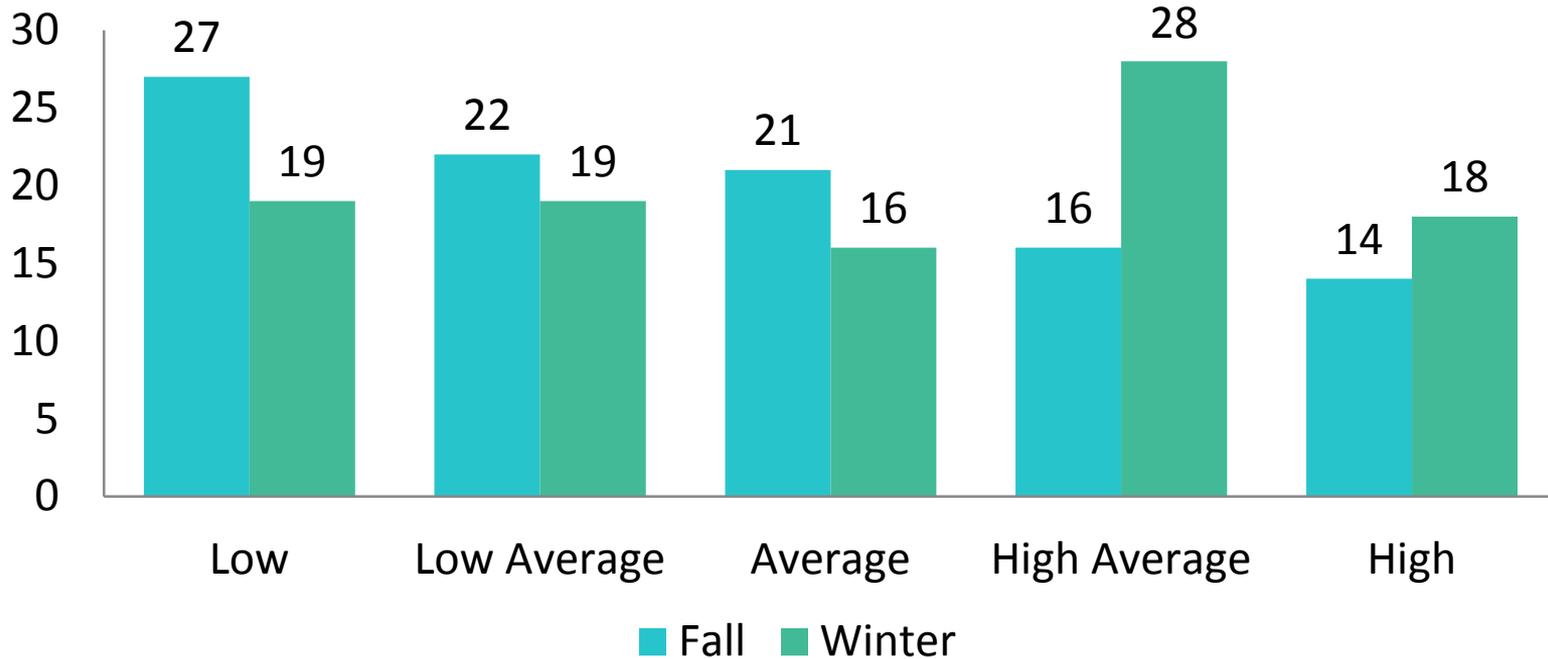


Growth Progress

ANALYZING MATH PROGRESS THROUGH THE YEAR

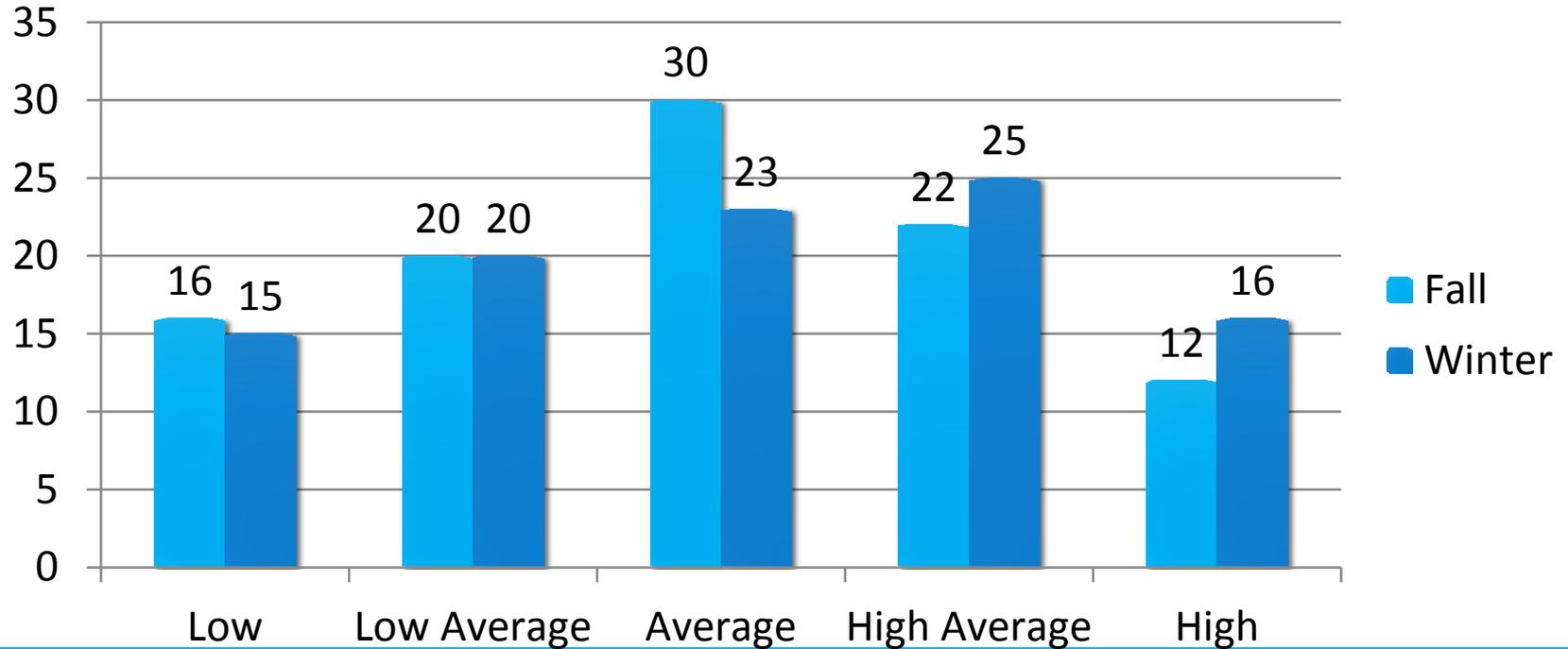
Student Growth

Grade 1: Operations & Algebraic Thinking:



Student Growth

Grade 6: Real and Complex number Systems



Connecting the dots...



- Cross Assessment Analysis
 - ACT Correlation (76-87% correlation)
 - PSAT (in house study)
 - 70th percentile to 50th percentile
 - CMT / CAPT (in house study)
 - 90/30 rule
- NWEA MAP offers more frequent insight and actionable feedback for teachers and students.

NWEA to PSAT Correlation (current 11th graders)

PSAT rank	90+%	80+%	70+%	60+%	50+%	40+%	30+%	20+%	<20%
Number	26	29	34	34	24	24	20	19	18
Average NWEA MAP Math Percentile	93.6	88.9	83.0	74.1	68.7	67.8	51.2	46.9	27.6
Average NWEA MAP Reading Percentile	91.5	81.3	79.6	71.2	70.3	63.7	50.9	46.9	38.5

NWEA Map and Science CMT Correlation

Grade	Meeting Goal % IF NWEA Exceeded Goal by 1 Level	Meeting Goal % IF NWEA Meet Goal	Meeting Goal %	Meeting Goal % IF NWEA Below Goal by 1 Grade	Meeting Goal % IF NWEA Below Goal by 2 Grades	Meeting Goal % IF NWEA Below by 3+ Grades
5th	98%	86%	60%	16%	4%	0%
8th	95%	95%	77%	55%	50%	41%
10 th	92%	89%	71%	29%	32%	14%

Student Reports that go home...



Student Progress Report

Student, Sample
Student ID: 1234567890

Term Rostered: Spring 2010-2011
District: Sample School District
School: Sample School
Growth Comparison Period: Spring to Spring

7

Quick Reference

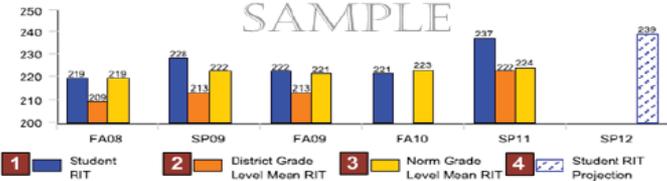
This report displays current and past RIT scores of a student. RIT stands for Rasch Unit, which is a unit of measure that uses individual test question difficulty values to estimate student achievement.

The RIT is used to measure how "tall" a student is on the curriculum scale and scores can be compared to tell how much growth a student has made, similar to measuring height on a yardstick. This score is independent of the age or grade of the student but reflects the instructional level at which the student is currently performing, helping teachers plan instruction at an appropriate level for the student.

If you have questions about this report, please contact your child's school.

Reading

CHART



- 5 **Reading Goals Performance - Spring 2010-2011**
- Understanding and Using Literary Texts HiAvg
- Understanding and Using Informational Texts High
- Building Vocabulary High
- Lexile® Range 1107-1317L

8 9 10 11 12 13

Term/Year	Grade	RIT (+/- Std Err)	RIT Growth	Growth Projection	Percentile Range
SP11	10	233-237-240			71-79-83
FA10	10	217-221-224			34-44-52
SP10	9	218-222-225			38-48-55
FA09	9	210-222-226			44-52-62
SP09	8	224-228-231	11	4	54-65-72
FA08	8	216-219-222			41-49-57
SP08	7	213-217-220			32-43-51
FA07	7	216-220-223			49-60-68
WI07	6	212-216-219			44-55-63
FA06	6	217-221-224			63-73-79
SP06	5	211-214-218	8	8	46-55-66
FA05	5	204-207-210			41-50-58
SP05	4	203-206-210			40-48-59
FA04	4	200-203-206			51-59-67

RESULTS TABLE

Questions or thoughts

Feel free to email me at clynem@newmilfordps.org

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School: Sample School
Growth Comparison Period: Spring to Spring

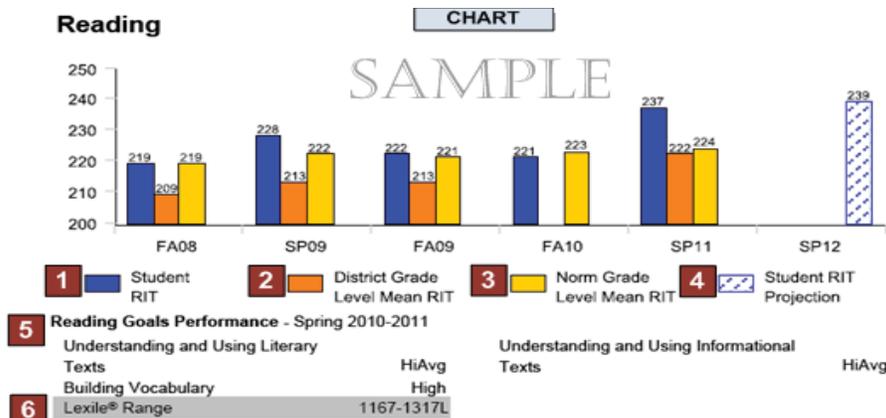
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FA05	5	204-207-210			41-50-58
SP05	4	203-206-210			40-48-59
FA04	4	200-203-206			51-59-67

RESULTS TABLE

Chart Legend

- 1 Student RIT** – The student’s RIT score on each growth test.
- 2 District Grade Level Mean RIT** – The average RIT score for students in the same school district and same grade that were tested at the same time as the student named on this report. Lack of the District Grade Level Mean RIT bar indicates that the RIT is not available due to the district testing window not being closed.
- 3 Norm Grade Level Mean RIT** – The average RIT score for students in the same grade and tested in the same term as observed in the most recent NWEA RIT Scale Norms study. Lack of the Norm Grade Level Mean RIT bar indicates that the RIT is not available due to no norm data being available for that particular grade and/or subject.
- 4 Student RIT Projection** – The projected RIT score of the student for when they take a future test. This projected RIT score is based on the student’s actual RIT score in the first term of the Growth Comparison Period and the average RIT growth of students who were in the same grade and tested in the same term as observed in the most recent NWEA RIT Scale Norms* study.
- 5 Goals Performance** – Each goal area included in the test is listed along with a goal range or descriptive adjective of the student’s score. The possible descriptors are Low (percentile < 21), LoAvg (percentile between 21 and 40), Avg (percentile between 41 and 60), HiAvg (percentile between 61 and 80), and High (percentile > 80). An asterisk (*) is displayed if the goal score was not able to be calculated due to too many items answered incorrectly or too few items available in the RIT range assessed.
- 6 Lexile® Range** – This range appears when the student has taken a reading test. You can use it with online resources to identify appropriately challenging books, periodicals, and other reading material for the student. Lexile® is a trademark of MetaMetrics, Inc.

Results Table Legend

- 7 Growth Comparison Period** – The terms that define the time frame for which the RIT Growth, Growth Projection and Student RIT Projection value(s) are calculated.
- 8 Term/Year** – The test term (FA=fall, SP=spring, WI=winter, SU=summer) and the year when the student took the test.
- 9 Grade** – Grade of the student when the test was taken.
- 10 RIT** – The middle number is this student’s RIT score. The numbers on either side of the RIT score define the score +/- the standard error. If retested soon, the student’s score would fall within this range most of the time.
- 11 RIT Growth** – Presents the student’s growth in RIT points made between growth tests in the Growth Comparison Period.
- 12 Growth Projection** – The average growth of students who were in the same grade and began the same term at a similar RIT score according to the most recent NWEA RIT Scale Norms* study.
- 13 Percentile Range** – The number in the middle is this student’s percentile rank, or the percentage of students that had a RIT score less than or equal to this student’s score according to the most recent NWEA RIT Scale Norms study. The numbers on either side of the percentile rank define the percentile range. If retested soon, this student’s percentile rank would be within this range most of the time.
- 14 Non-growth tests** – Tests may be taken from time to time for informational purposes only and are not used to determine student growth. These tests are presented in gray italicized text.

* The 2011 Normative Data Overview provides an overview of the NWEA RIT Scale Norms Study including the scope of the study, the methodology used, and ways norms can be used by educators.