



COMMITTED TO
EXCELLENCE

East St. Louis School District 189

NWEA Growth Analysis

Fall 2012, Fall 2014 - Winter 2017

Overview of NWEA

The Northwest Evaluation Association (NWEA) Measures of Academic Progress (MAP) is a norm referenced test used for formative assessments and performance monitoring. NWEA MAP provides assessments for more than 485 schools and districts in Illinois and is used by more than 7,600 schools and districts worldwide.

Understanding RIT

The NWEA MAP test uses a scale called RIT to measure student achievement and growth. RIT stands for **R**asch **U**n**I**T, which is a measurement scale developed to simplify the interpretation of test scores. The RIT score relates directly to the curriculum scale in each subject area. It is an equal-interval scale, like feet and inches, so scores can be added together to calculate accurate class or school averages. RIT scores range from about 100 to 300. Students typically start at the 180 to 200 level in the third grade and progress to the 220 to 260 level by high school. RIT scores make it possible to follow a student's educational growth from year to year.

District 189 Application

NWEA MAP assessments were first delivered in District 189 during the fall of SY 2012-2013. From that time until now (Winter 2017-2018), District leadership has tracked the performance of cohort groups by measuring growth against national growth expectations. Cohort groups are defined by a grade band of students that continue to advance together one year after another. The following charts detail the progress of these cohort groups.

Fall 2012 - Winter 2017

Reading Growth Analysis		
Cohort Groups	ESTL Growth Performance Fall 2012 - Winter 2017 (RIT Points)	NWEA Growth Expectation Fall 2012 - Winter 2017 (RIT Points)
K - 5th Grade	52.9	68.8
1st - 6th Grade	47.2	53.5
2nd - 7th Grade	36.2	42.2
3rd - 8th Grade	31.3	30.8
4th - 9th Grade	21	23.1
5th - 10th Grade	17.2	15.3

Math Growth Analysis		
Cohort Groups	ESTL Growth Performance Fall 2012 - Winter 2017 (RIT Points)	NWEA Growth Expectation Fall 2012 - Winter 2017 (RIT Points)
K - 5th Grade	60	77.2
1st - 6th Grade	47.5	59.7
2nd - 7th Grade	36.7	49.2
3rd - 8th Grade	31.1	38.7
4th - 9th Grade	21.3	30.3
5th - 10th Grade	22	20.1

With the exception of the last cohort group, 5th - 10th grade, all others have fallen short by 10% - 30% of the national expectations. During this five year period, the District hired content area specialists and implemented new curriculum and resources. The District completed a Curriculum Management Audit during the second year of testing and began the process of responding to improvement needs in the third year.

Beginning in the fall of 2014, new curriculum leadership implemented anticipated improvements from the audit and research-based best practices to effect change. Focused training of building leaders and instructional coaches, alongside changes in curriculum and assessment writing, led to a marked improvement in students' performance on NWEA MAP assessments; so much so that some cohort groups grew up 10% - 78% greater than the national expectations. Evidence may be found in the following tables.

Fall 2014 - Winter 2017

	Reading Growth Analysis	
Cohort Groups	ESTL Growth Performance Fall 2014 - Winter 2017 (RIT Points)	NWEA Growth Expectation Fall 2014 - Winter 2017 (RIT Points)
K - 3rd Grade	48.3	54.6
1st - 4th Grade	39.8	42.9
2nd - 5th Grade	36.5	35.1
3rd - 6th Grade	28.4	25.9
4th - 7th Grade	21.1	18.7
5th - 8th Grade	17	13.4
6th - 9th Grade	11.1	10.3
7th - 10th Grade	10.3	6.6

Beginning with the 2nd - 5th grade cohort, ESTL students outperformed the national expectation for reading growth.

	Math Growth Analysis	
Cohort Groups	ESTL Growth Performance Fall 2014 - Winter 2017 (RIT Points)	NWEA Growth Expectation Fall 2014 - Winter 2017 (RIT Points)
K - 3rd Grade	55.3	58.2
1st - 4th Grade	45	46.3
2nd - 5th Grade	36.2	40.3
3rd - 6th Grade	28.5	31.7
4th - 7th Grade	22	24.2
5th - 8th Grade	16.3	17.7
6th - 9th Grade	12.1	14.6
7th - 10th Grade	15.8	8.9

While only the 7th - 10th grade cohort outperformed the national expectation for math growth, the remaining cohort groups were no more than 4.1 points behind the expectation. As a percentage, this is no more than 17% away from the expectation.

In the beginning of our testing history with NWEA, the District performed far behind nationally normed scores. As the District has continued to measure the success of students, instruction, and the curriculum, the data proves that strong gains are being made.

Summary Bullets

- From Fall 2012 to Winter 2017, student cohort groups achieved 70% to 109% of nationally normed growth expectation in **math**.
- From Fall 2012 to Winter 2017, student cohort groups achieved 77% to 112% of nationally normed growth expectation in **reading**.
- From Fall 2014 to Winter 2017, student cohort groups achieved 83% to 178% of nationally normed growth expectation in **math**.
- From Fall 2014 to Winter 2017, student cohort groups achieved 88% to 156% of nationally normed growth expectation in **reading**.

Percentage Charts (percentage derived from page 2 and 3 RIT point data):

Fall 2012 - Winter 2017		
	Percentage of District's Math Growth Performance in Meeting National Expectation	Percentage of District's Reading Growth Performance Meeting National Expectation
K - 5th Grade	78%	77%
1st - 6th Grade	80%	88%
2nd - 7th Grade	75%	86%
3rd - 8th Grade	80%	102%
4th - 9th Grade	70%	91%
5th - 10th Grade	109%	112%

Fall 2014 - Winter 2017		
	Percentage of District's Math Growth Performance Meeting National Expectation	Percentage of District's Reading Growth Performance Meeting National Expectation
K - 3rd Grade	95%	88%
1st - 4th Grade	97%	93%
2nd - 5th Grade	90%	104%
3rd - 6th Grade	90%	110%
4th - 7th Grade	91%	113%
5th - 8th Grade	92%	127%
6th - 9th Grade	83%	108%
7th - 10th Grade	178%	156%