

Measures of Academic Progress (MAP)

An Overview of MAP and its Benefits to DCSD Stakeholders



Assessments

- (MPG) MAP for Primary Grades
 - Grades K-2
 - Reading and Math
- MAP
 - Grades 2-12
 - Math
 - Reading
 - Language Usage
 - Science Grades 3-8
- Skills Navigator
 - Grades 3-8 Reading and Math
 - Progress Monitoring and Remediation

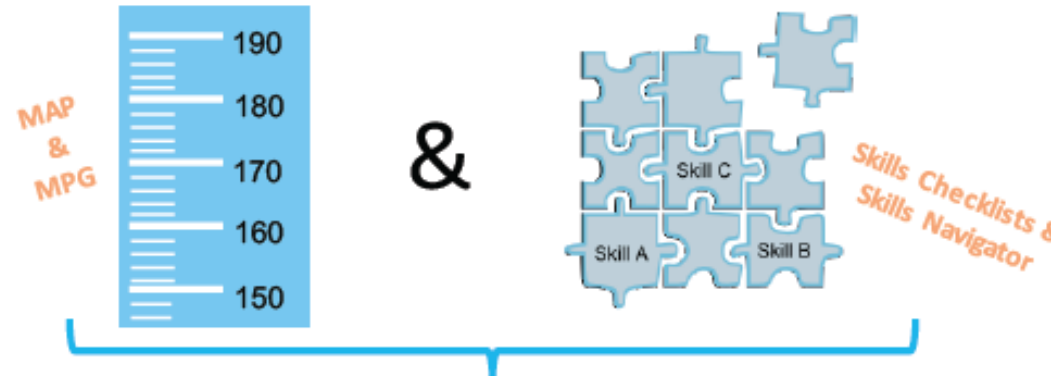
 The Test

NWEA

To Ensure Students Are Working Towards Success, We Must Ask Two Key Questions:

Progress: Is this student growing as expected?

Mastery: What skills has this student developed? What comes next?



MAP & MPG

Skill A Skill B Skill C

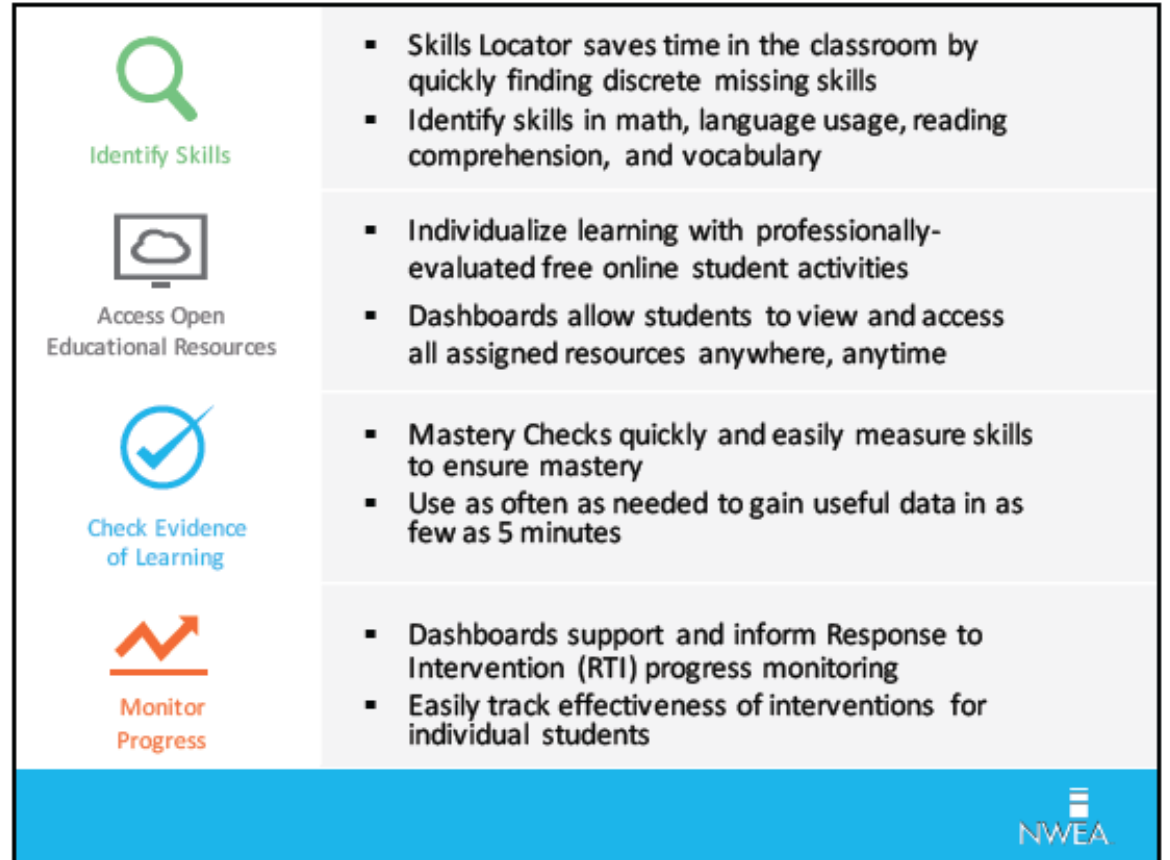
Skills Checklists & Skills Navigator

Guide instruction throughout the year

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MAP provides a full range of assessments for reading and math (grades K-2) for math, reading, and language usage (grades 2-12), and for science (grades 3-8). MAP assessment data is then used in MAP Skills Navigator to establish student-specific learning paths with skills-based activities for students in grades 3-8 in reading and mathematics.

MAP Skills Navigator

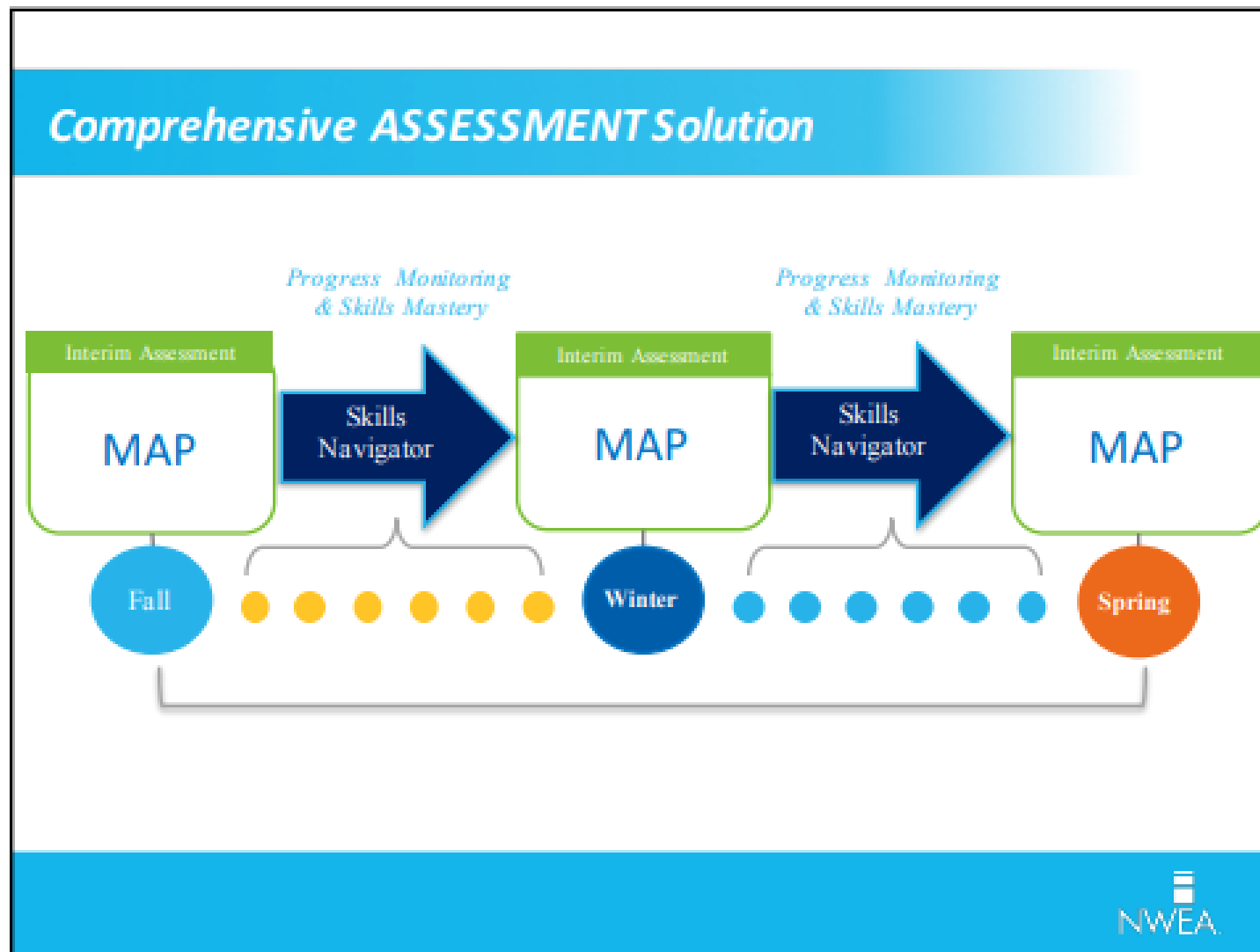


Schools in DCSD use MAP Skills Navigator activities to build missing foundational skills in math, language usage, reading comprehension, and vocabulary. Through Skills Navigator, students have access to open educational resources and free online activities. In addition, educators have access to dashboards to assist with Response to Intervention (RtI) progress monitoring, and to check for evidence of learning and student mastery.

MAP is a Comprehensive Assessment Solution

MAP is administered in the Fall, Winter, and Spring as a formative, interim assessment.

Administering MAP three times throughout the year assists educators with determining a student's current instructional level, provides progress monitoring information for acceleration and remediation, and determines year-end annual growth compared to the fall and prior years. Spring MAP data also helps to identify summer learning activities and potential fall placement.



The RIT (Rausch Unit) Scale

The RIT Scale

- Equal interval, grade-level independent, stable
- Designed to measure longitudinal growth over time
- Measures student achievement and test item difficulty
- **Ready for Instruction Today**

$$X = [20d + 4m]^2$$
$$Y = [11d + 8m]$$

The Scale

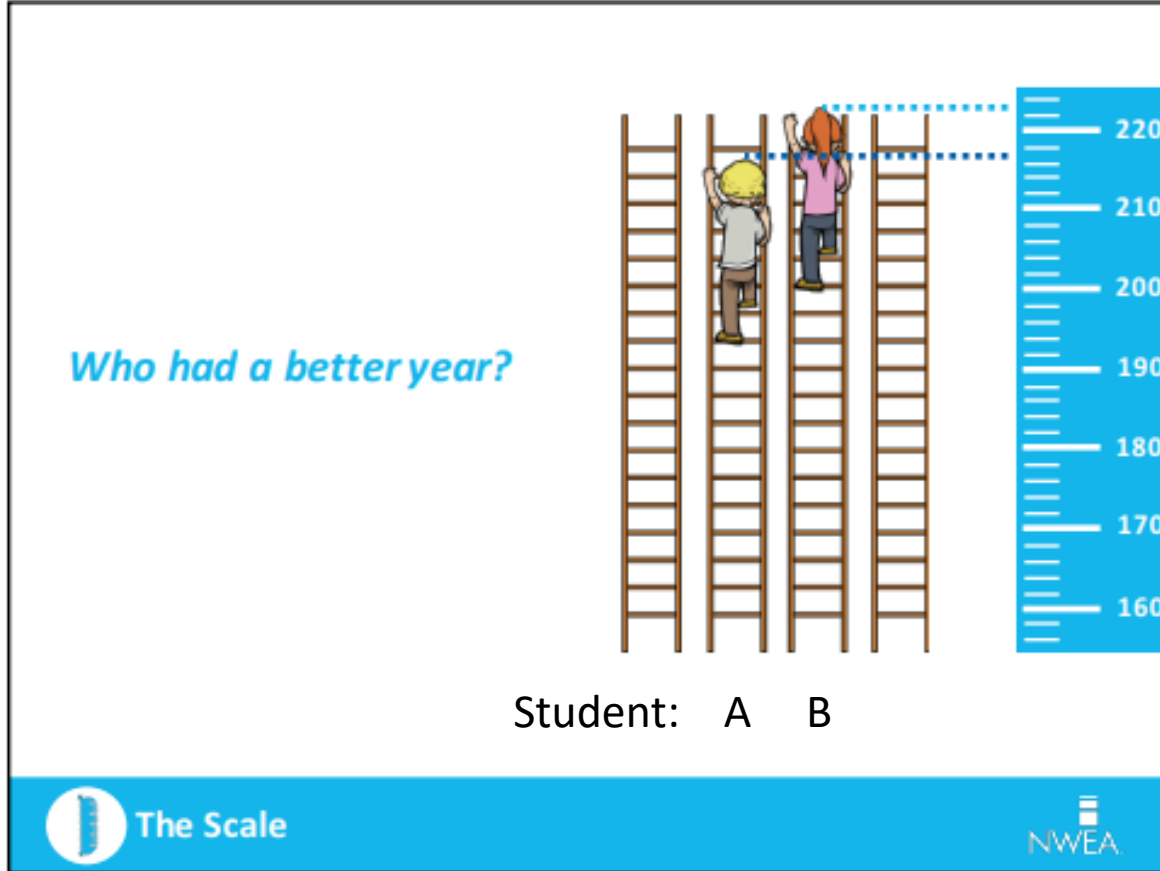
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The RIT score is an equal-interval scale, like feet and inches, that is independent of grade level.

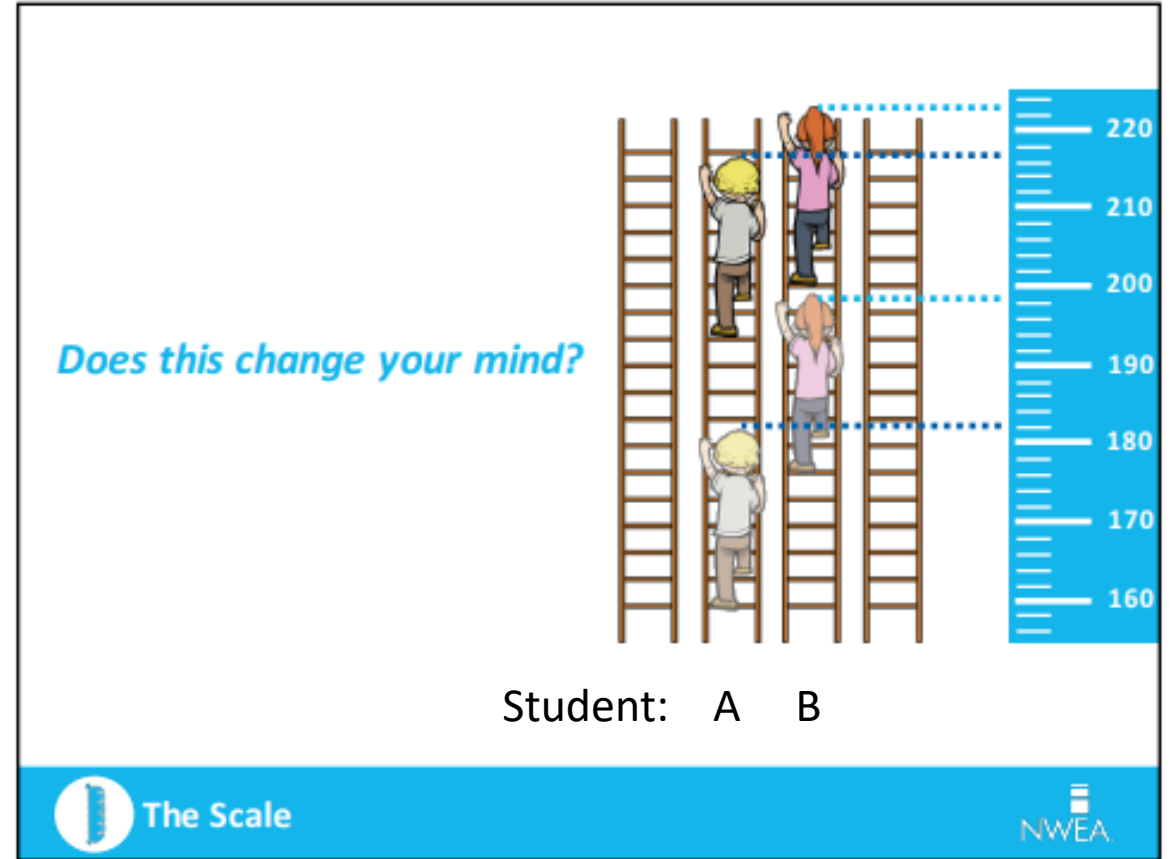
The RIT scale measures student achievement, so it allows educators to measure growth throughout the year and from year to year.

The RIT scale also measures test item difficulty.

The RIT (Rausch Unit) Scale



Student B has a higher RIT score than Student A



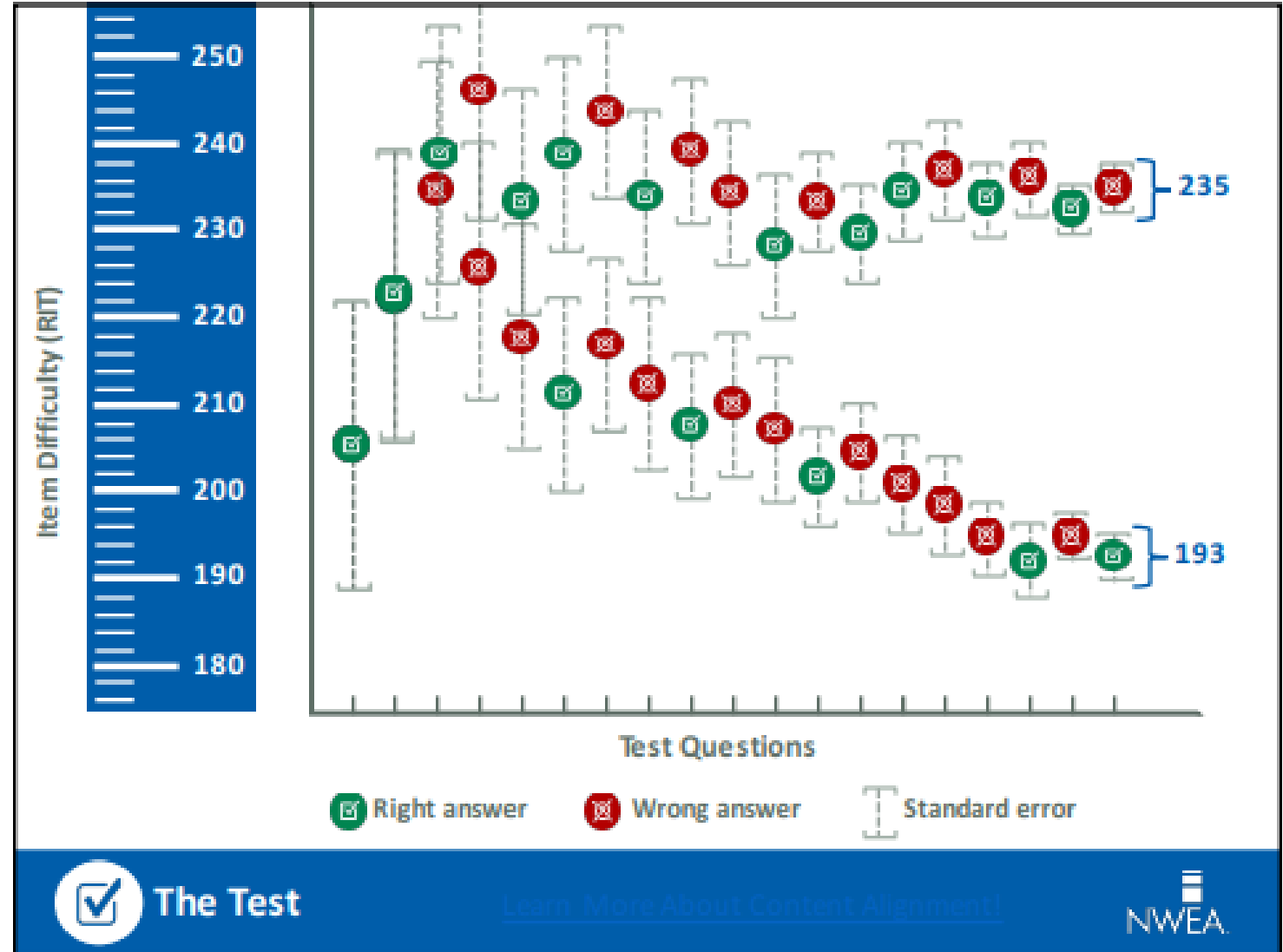
Student A demonstrated more growth than Student B

MAP Assessments are Computer-Adaptive

The test adjusts as students get answers correct or incorrect, as illustrated by the graph to the right.

As students get test items correct, the RIT item difficulty increases, and when a student gets a question wrong, the RIT item difficulty decreases.

The assessment will continue to adjust to determine the student's RIT instructional level.



MAP Test Items

MAP TEST ITEMS			
Total Items in MAP Item Pool	MC	TEI	DOK 2 & 3
40k	35k	5k	20k

 The Test

NWEA

40,000 total test items

35,000 are multiple choice

5,000 are technology enhanced items

Half of the total test items (20,000) are at Depth of Knowledge (DOK) 2 and 3

Sample MAP Technology Enhanced Items (TEIs)

Drag the comma to the correct places in the sentences.

After the Civil War came the process of rebuilding the South. The region needed to build or repair schools churches hospitals roads bridges and railways. It was a long and difficult process.

Next →

The Test NWEA

A student made this list of his characteristics. Click on all the characteristics that are inherited.

Student Characteristics

1.4 m tall Reads well Brown eyes

Short hair Speaks English Plays drums

Uses cellphone Left handed Tells jokes

Next →

The Test NWEA

The table shows family size and recycling information for several different families. Drag the points onto the graph to make a scatter plot of the data.

Family Size	Pounds of Recycling
3	19
4	22
2	22
5	32
3	28
3	18
5	34

Family Recycling

Pounds of Recycling

Family Size

Next →

The Test NWEA

Drag and drop the stages of the life cycle of a frog into the diagram in the correct order.

Diagram showing the life cycle of a frog with four empty boxes connected by arrows in a clockwise cycle.

Stages of the life cycle of a frog (from left to right):

- Egg
- Larva (Tadpole)
- Adult Frog
- Young Frog (Pup)

Next →

The Test NWEA

MAP Reports

Student Level

- Student Profile
- Family Report
- Student Progress
- Student Goal Setting Worksheet
- K-2 Screening and Skills Checklist

Class Level

- Class Report
- Learning Continuum
- Class Breakdown by RIT, Goal or Projected Proficiency
- Achievement Status and Growth Summary
- K-2 Screening and Skills Checklist

School/District Level

- Grade Report
- Grade Breakdown
- Retest Recommended
- Projected Proficiency Summary
- Student Growth Summary
- District Summary

Insights at Every Level



Students

- Students use MAP results to **set growth goals** for themselves – deepening their engagement and ownership of learning.



Teachers

- Teachers **differentiate instruction**, **identify instructional resources**, and **collaborate** with the child's whole learning team to monitor growth.



School and District Leaders

- Administrators use the data for **flexible grouping**, **program evaluations**, **resource allocation** and **proficiency projections**.



The Reports

College and Career Readiness Connections



College Readiness Benchmarks & Placement Guidance

- Provides predications for students to achieve ACT benchmarks in grades 5-9

MATHEMATICS														
		K	1	2	3	4	5	6	7	8	9	10	11	2015 Norms Percentile
CCR (Smarter Balanced Level 3*)	Spring				207	218	228	232	236	240			244	61-68
CCR (ACT ≥ 22)	Spring						226	232	238	243	246			61-74
CCR (ACT ≥ 24)	Spring						230	237	243	248	252			70-83
NWEA	Fall	165	184	199	212	225	236	243	250	256	260	262	266	95
NWEA	Fall	155	175	190	203	216	226	233	239	244	248	250	253	84
NWEA	Fall	148	169	183	197	209	219	225	231	235	239	240	243	69
NWEA Median	Fall	140	162	177	190	202	211	218	223	226	230	230	233	50
NWEA	Fall	133	156	170	184	195	204	210	214	217	221	220	223	31
NWEA	Fall	125	150	164	177	188	197	202	206	209	212	211	213	16
NWEA	Fall	118	143	157	171	182	190	195	198	200	204	204	204	7

A student score at or above the following scores on a 6+ Mathematics Survey with Goals test suggests student readiness for:
 230 Introduction to Algebra; 235 Algebra; 245 Geometry

*Please note that the Smarter Balanced preliminary cut score values are field-test only and subject to change.

<https://www.nwea.org/content/uploads/2015/06/MAP-College-Readiness-Benchmarks-Study-AUG15.pdf>



Use your MAP score to explore colleges and universities

Interested in learning which colleges might be a good fit for you?

Select the grade and level where you last took Measures of Academic Progress (MAP). Then set the ACT score (or SAT) to a range that includes your most recent MAP reading and math scores. After you make your selections, check the map to see the colleges in which your scores are likely to be near the median scores of students admitted to those schools. Click on a college to learn more about that school.



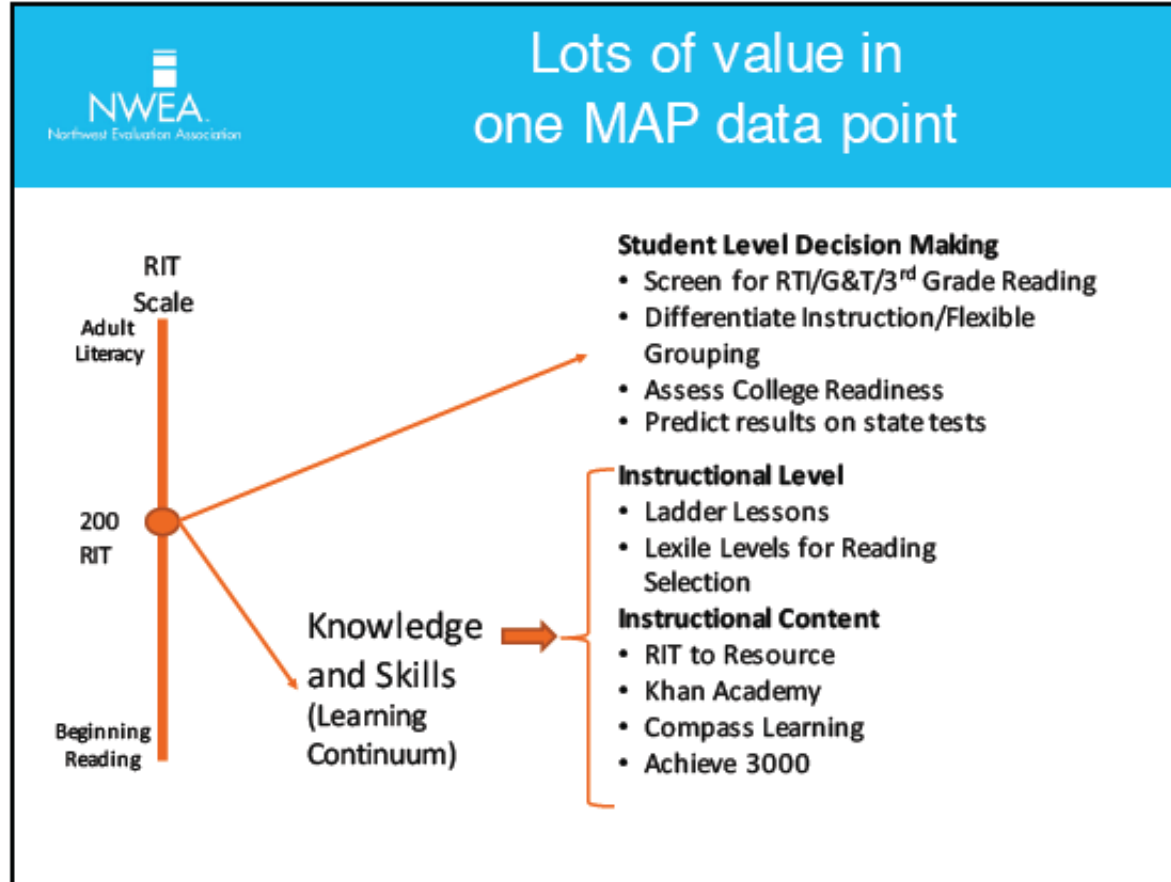
GO to LIVE DEMONSTRATION

NWEA's NEW College Interactive Tool!



Besides Georgia Milestones End-of-Grade proficiency projections, MAP also provides predictions for students to attain college and career readiness benchmarks as measured by ACT and SAT. Students can also use their MAP scores to explore potential colleges.

RIT Score Uses



MAP RIT scores can be used in a multitude of ways. Scores can be used for screening (RtI, gifted), to determine differentiated instructional groups, to determine a student's projected proficiency on state assessments, to assess college readiness, and to pinpoint a student's instructional level, including a Lexile range for selecting text. In addition, MAP has several instructional content provider partners who can utilize a student's RIT score to establish learning pathways within their respective systems.

Professional Learning Options



NWEA offers face-to-face workshops, data coaching services, and online learning as part of our contract renewal.

Annually, the Office of Assessment Administration offers MAP training for all new teachers and administrators, offers refresher courses as needed, and sends district coordinators to school locations to assist staff in using the MAP test administration system and interpreting reports.