



NWEA (Northwest Evaluation Association) or MAP (Measures of Academic Progress)

RIT Score Explained

The RIT Scale is a curriculum scale that uses individual item difficulty values to estimate student achievement. An advantage of the RIT scale is that it can relate the numbers on the scale directly to the difficulty of items on the tests. In addition, the RIT scale is an equal interval scale. Equal interval means that the difference between scores is the same regardless of whether a student is at the top, bottom, or middle of the RIT scale, and it has the same meaning regardless of grade level.

- Characteristics of RIT Scale**
- Achievement Scale
 - Accurate Scale
 - Equal Interval Scale
 - Helps to measure growth over time
 - Different RIT scores have different meanings depending on the grade level

- How Seward Public Schools is using NWEA RIT Scores**
- Projected NeSA proficiency/score
 - College Readiness
 - Data point in interventions
 - National normed test reported to the state



This handout has been created by Seward Public Schools as a resource for teachers to better understand the RIT scale, Growth Projections, and College/Career Readiness.



What does each report mean for me as a teacher?	Student Goal Setting Worksheet	Student Progress Report	Class Breakdown Reports
<p>NWEA has many reports but it is important to understand which report to use and what information it is providing.</p>	<p>Show a student's test history for designated time period in the selected subject areas</p> <p>Show a growth projection in the selected subject areas individualized for a student</p> <p>Indicates an area of strength and area of possible concern for a student</p>	<p>Show a student's overall progress for all past terms</p> <p>Individual report for students to communicate growth</p>	<p>Shows an entire class of students</p> <p>Groups students by RIT bands</p> <p>Starting point for grouping students appropriately</p>

How to use the Student Goal Setting Worksheet with your students

- Explain to them where to find their overall RIT score
- Have them look at areas of strength and areas of possible concern
- Talk about their projected RIT with them (this is provided through NWEA by calculating where they started and how much instruction is provided before the next time the test is taken)

How to use the RIT scale charts with students when setting goals

- Find the correct table for the test you want to discuss
- Find the correct grade level and time of year
- Explain to students that this would be a RIT score of an average student (50%) on the given test at the given time in the given grade level.

How to use the College Readiness scale charts with students when setting goals

- Find the correct subject in the table for what you want to discuss
- Find the correct grade level and time of year
- Explain to students that this would be a RIT score of an average student (50%) on the given test at the given time in the given grade level.



Northwest Evaluation Association

Partnering to help all kids learn

2011 Normative Data Reference

Status Norms of RIT Scores

Mathematics Norms (RIT VALUES)

	Beginning of Year	Middle of Year	End of Year
Grade	Mean	Mean	Mean
K			156.1
1	162.5	172.2	179.0
2	178.7	185.9	191.3
3	192.3	198.7	203.5
4	203.5	208.6	212.4
5	212.7	217.5	220.7
6	220.1	223.2	226.0
7	225.7	228.5	230.9
8	230.0	232.6	234.4
9	233.2	234.2	235.3
10	235.3	236.6	237.5

Reading Norms (RIT VALUES)

	Beginning of Year	Middle of Year	End of Year
Grade	Mean	Mean	Mean
K			155.1
1	160.0	170.1	176.1
2	175.9	183.4	189.2
3	190.2	194.8	199.2
4	199.6	203.0	206.3
5	207.1	209.9	212.4
6	212.5	214.2	216.2
7	216.6	218.2	219.6
8	219.5	221.4	222.6
9	221.8	222.2	222.9
10	222.9	223.3	223.9

Language Usage Norms (RIT VALUES)

	Beginning of Year	Middle of Year	End of Year
Grade	Mean	Mean	Mean
2	175.4	185.3	190.0
3	190.9	196.2	200.0
4	201.0	204.7	207.4
5	207.4	210.4	212.4
6	212.2	214.3	216.0
7	215.9	217.5	218.9
8	218.7	220.3	221.4
9	221.0	221.2	221.7
10	221.5	222.0	222.6

In the samples, each district's base school calendar was used to determine instructional days. Using the instructional days data, time frames for the 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.

General Science Norms (RIT VALUES)

	Beginning of Year	Middle of Year	End of Year
Grade	Mean	Mean	Mean
3	189.2	192.7	195.5
4	196.2	198.5	200.5
5	201.1	203.7	205.4
6	205.2	206.6	207.9
7	208.1	209.4	210.7
8	210.8	212.1	213.1
9	213.2	213.7	214.5
10	215.0	215.5	216.1

College/Career Readiness is a Predictor

Predicted College Readiness Benchmarks as MAP Score and Percentile

Ranking by Grade

Grade	Mathematics				Reading			
	Fall		Spring		Fall		Spring	
	RIT	Percentile	RIT	Percentile	RIT	Percentile	RIT	Percentile
3	204	83	216	84	199	73	208	73
4	213	76	224	79	208	72	215	72
5	225	80	236	84	214	70	220	71
6	235	84	242	85	220	70	224	70
7	238	77	244	78	223	68	227	69
8	243	77	249	79	227	70	230	70
9	246	76	251	79	229	69	232	72
10	250	80	254	82	232	72	234	73
11	255	83	258	83	236	77	237	77

College Readiness Benchmarks by Institution Type

Grade & Testing Season	Reading				Mathematics			
	Open enrollment	State universities	Top public universities	Ivy League	Open enrollment	State universities	Top public universities	Ivy League
	= ACT 16	= ACT 24	= ACT 29	= ACT 32	= ACT 16	= ACT 24	= ACT 29	= ACT 32
Grade 3 Fall	179	205	216	221	179	207	217	222
Grade 3 Spring	189	213	224	229	188	220	234	241
Grade 4 Fall	190	214	225	231	189	217	228	234
Grade 4 Spring	197	221	231	236	197	227	240	246
Grade 5 Fall	196	220	231	236	197	228	241	247
Grade 5 Spring	204	226	235	240	207	240	253	260
Grade 6 Fall	203	226	236	241	205	239	252	258
Grade 6 Spring	209	230	239	244	214	246	258	265
Grade 7 Fall	207	229	239	244	211	242	254	261
Grade 7 Spring	212	232	241	246	217	248	260	267
Grade 8 Fall	212	232	241	246	216	247	259	266
Grade 8 Spring	215	235	244	249	221	253	265	272
Grade 9 Fall	214	234	244	249	220	250	262	268
Grade 9 Spring	216	237	246	251	223	255	268	274
Grade 10 Fall	217	237	246	251	224	253	265	272
Grade 10 Spring	219	239	248	253	225	258	271	277
Grade 11 Fall	220	242	252	257	228	258	270	277
Grade 11 Spring	219	243	254	260	229	262	275	282

Note. Values were calculated by ACT from empirical data to identify the scores of students with a 50% likelihood of achieving a B average in a freshman-level course (ACT, 2009).