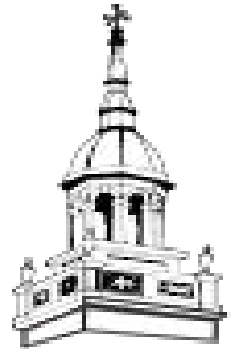# Understanding NWEA
Measures of Academic Progress

Inspiring Minds, Empowering Achievement, Building Community

What is MAP?

- MAP (Measures of Academic Progress) are achievement tests delivered by computer to students

- Each test takes 35-60 minutes

- In Mathematics, Reading, and Language Use

The Who, What, and When of MAP

- The 2017 - 2018 is a pilot year for implementation

- Grades 2-5

- Math, Reading and Language usage

- 3 times per year

What is a computer adaptive test?

- The difficulty of the test adjusts to the students' performance. As they answer correctly, the questions become harder. As they answer incorrectly, the questions become easier.

- It will build a test unique to each student.

- Student results within 48 hours

How Adaptive Tests Work

The Test

NWEA
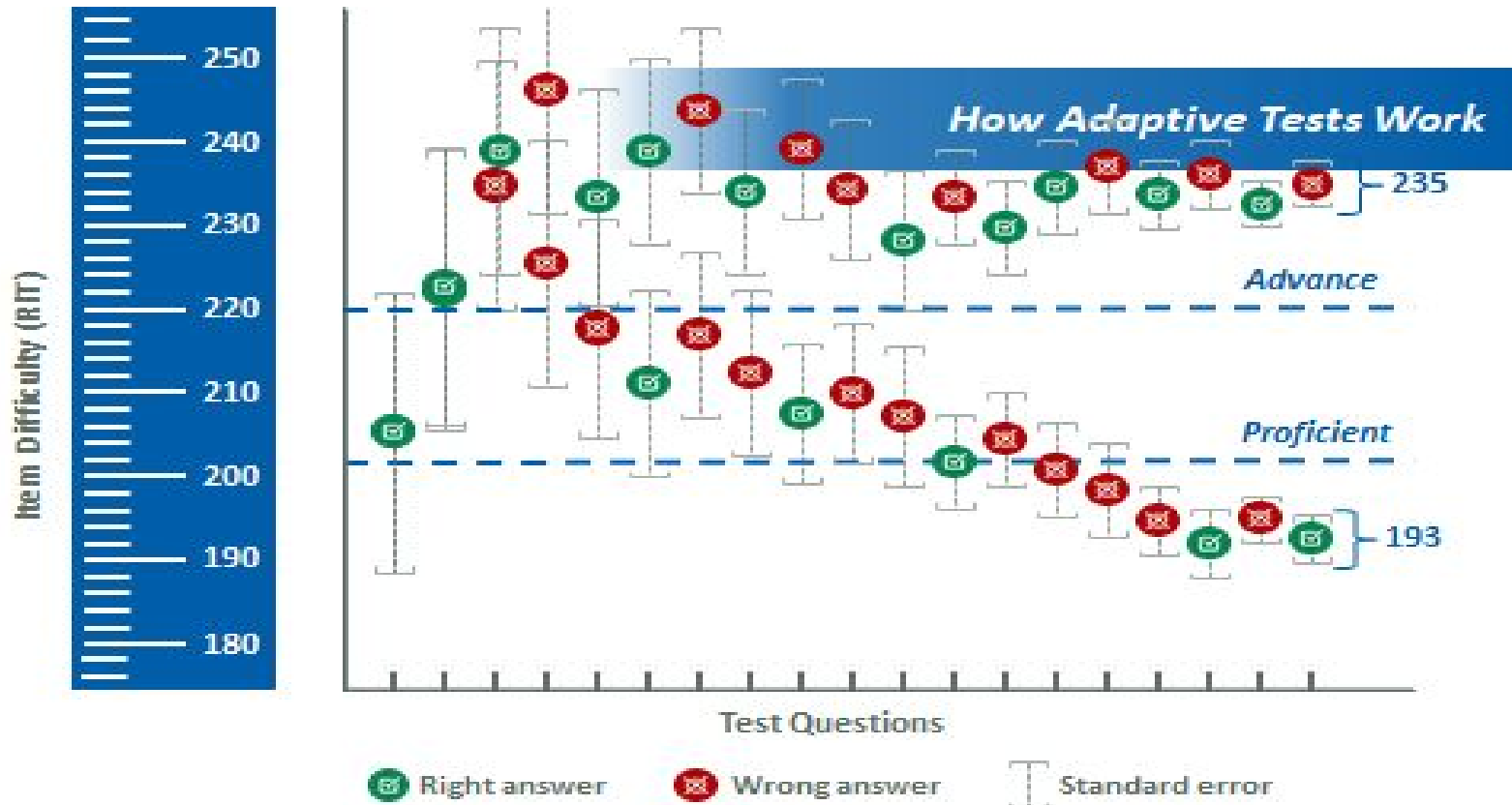
What does the assessment look like?

Let's experience some sample questions together

[Types of Questions](#)

[Sample Math Questions](#)

[Sample Reading Questions](#)

Understanding the Results -RIT

- A RIT Score is a growth measurement, similar to a reading level, it measures academic achievement over time.

- Results help teachers to…
  - Individualize instruction
  - Set achievement goals
  - Understand academic patterns in students
- Results are norm-referenced

Understanding Norm Referenced and Growth Models

Norm Referenced

- Norms from NWEA are typically released every 4 years. Currently, the data is referenced from 2015
- NWEA performs studies to collect data in grades K-11
- Each sample size is comprised of 72,000-115,000 (varying by subject) from approximately 1,000 schools.
- These samples were drawn from test record pools of 10.2 million students attending more than 23,500 schools spread over 6,000 districts in 49 states.

Understanding Projected Growth

- Average (mean) projected growth can vary from 16 points to 4 points for 2nd graders to 5th graders
- Typically younger students demonstrate more growth
  - For example, an average growth rate from beginning to end of year in math for a **second grader is 15.2**
  - For example, an average growth rate from beginning to end of year in math for a **fifth grader is 9.9**

Accessing Student Grade Level Norms

2015 READING Student Status Norms

Grade	Begin-Year Mean	SD	Mid-Year Mean	SD	End-Year Mean	SD
K	141.0	13.54	151.3	12.73	158.1	12.85
1	160.7	13.08	171.5	13.54	177.5	14.54
2	174.7	15.52	184.2	14.98	188.7	15.21
3	188.3	15.85	195.6	15.14	198.6	15.10
4	198.2	15.53	203.6	14.96	205.9	14.92
5	205.7	15.13	209.8	14.65	211.8	14.72
6	211.0	14.94	214.2	14.53	215.8	14.66
7	214.4	15.31	216.9	14.98	218.2	15.14
8	217.2	15.72	219.1	15.37	220.1	15.73
9	220.2	15.68	221.3	15.54	221.9	16.21
10	220.4	16.85	221.0	16.70	221.2	17.48
11	222.6	16.75	222.7	16.53	222.3	17.68

2015 MATHEMATICS Student Status Norms

Grade	Begin-Year Mean	SD	Mid-Year Mean	SD	End-Year Mean	SD
K	140.0	15.06	151.5	13.95	159.1	13.69
1	162.4	12.87	173.8	12.96	180.8	13.63
2	176.9	13.22	186.4	13.11	192.1	13.54
3	190.4	13.10	198.2	13.29	203.4	13.81
4	201.9	13.76	208.7	14.27	213.5	14.97
5	211.4	14.68	217.2	15.33	221.4	16.18
6	217.6	15.53	222.1	16.00	225.3	16.71
7	222.6	16.59	226.1	17.07	228.6	17.72
8	226.3	17.85	229.1	18.31	230.9	19.11
9	230.3	18.13	232.2	18.62	233.4	19.52
10	230.1	19.60	231.5	20.01	232.4	20.96
11	233.3	19.95	234.4	20.18	235.0	21.30

2015 LANGUAGE USAGE Student Status Norms

Grade	Begin-Year Mean	SD	Mid-Year Mean	SD	End-Year Mean	SD
2	174.5	16.58	184.9	15.34	189.7	15.47
3	189.4	15.20	196.8	14.24	200.0	14.11
4	198.8	14.66	204.4	13.83	206.7	13.64
5	205.6	13.87	209.7	13.23	211.5	13.19
6	210.7	13.79	213.9	13.30	215.3	13.38
7	214.0	13.82	216.5	13.52	217.6	13.70
8	216.2	14.17	218.1	13.92	219.0	14.26
9	218.4	14.15	219.7	13.98	220.4	14.50
10	218.9	15.04	219.7	14.99	220.1	15.74
11	221.5	14.96	222.1	14.85	222.1	15.80

2015 GENERAL SCIENCE Student Status Norms

Grade	Begin-Year Mean	SD	Mid-Year Mean	SD	End-Year Mean	SD
3	187.5	11.74	192.6	10.92	195.4	11.01
4	194.6	11.16	198.7	10.75	201.0	10.92
5	200.2	11.06	203.7	10.80	205.7	11.07
6	204.3	11.54	207.1	11.40	208.6	11.73
7	207.2	11.92	209.5	11.87	210.9	12.23
8	210.3	12.28	212.3	12.19	213.5	12.63

Click Here To Access This Table

Accessing Student Growth Norms

2015 READING Student Growth Norms

Grade	Begin-to-Mid Year Mean	Begin-to-Mid Year SD	Mid-to-End Year Mean	Mid-to-End Year SD	Begin-to-End Year Mean	Begin-to-End Year SD
K	10.3	6.01	6.81	5.46	17.1	8.11
1	10.8	6.00	5.99	5.46	16.8	8.09
2	9.5	6.05	4.52	5.49	14.0	8.20
3	7.3	5.79	3.02	5.33	10.3	7.59
4	5.4	5.56	2.33	5.19	7.8	7.05
5	4.2	5.60	1.97	5.21	6.1	7.15
6	3.2	5.62	1.54	5.22	4.8	7.19
7	2.5	5.58	1.25	5.20	3.7	7.11
8	1.9	6.05	0.99	5.49	2.8	8.19
9	1.1	6.35	0.60	5.68	1.7	8.87
10	0.6	6.72	0.17	5.91	0.7	9.66

2015 MATHEMATICS Student Growth Norms

Grade	Begin-to-Mid Year Mean	Begin-to-Mid Year SD	Mid-to-End Year Mean	Mid-to-End Year SD	Begin-to-End Year Mean	Begin-to-End Year SD
K	11.4	5.56	7.67	5.03	19.1	7.59
1	11.4	5.50	6.97	4.99	18.4	7.45
2	9.5	5.35	5.72	4.90	15.2	7.11
3	7.8	5.08	5.19	4.73	13.0	6.47
4	6.8	5.05	4.78	4.72	11.6	6.41
5	5.8	5.22	4.13	4.82	9.9	6.80
6	4.4	5.20	3.26	4.80	7.7	6.75
7	3.5	5.11	2.47	4.75	6.0	6.55
8	2.9	5.59	1.78	5.05	4.6	7.66
9	2.0	5.81	1.17	5.19	3.1	8.15
10	1.5	6.18	0.85	5.42	2.3	8.92

2015 LANGUAGE USAGE Student Growth Norms

Grade	Begin-to-Mid Year Mean	Begin-to-Mid Year SD	Mid-to-End Year Mean	Mid-to-End Year SD	Begin-to-End Year Mean	Begin-to-End Year SD
2	10.4	6.61	4.74	5.70	15.2	9.83
3	7.4	5.61	3.14	5.06	10.6	7.69
4	5.6	5.26	2.28	4.84	7.9	6.90
5	4.1	5.21	1.76	4.81	5.8	6.78
6	3.2	5.23	1.32	4.83	4.5	6.84
7	2.5	5.14	1.10	4.77	3.6	6.61
8	1.9	5.40	0.96	4.93	2.9	7.22
9	1.4	5.65	0.65	5.08	2.0	7.79
10	0.8	6.03	0.42	5.32	1.2	8.61

2015 GENERAL SCIENCE Student Growth Norms

Grade	Begin-to-Mid Year Mean	Begin-to-Mid Year SD	Mid-to-End Year Mean	Mid-to-End Year SD	Begin-to-End Year Mean	Begin-to-End Year SD
3	5.1	6.28	2.88	5.85	8.0	8.02
4	4.2	5.94	2.27	5.64	6.4	7.19
5	3.5	5.92	2.04	5.63	5.5	7.13
6	2.8	5.92	1.59	5.63	4.3	7.14
7	2.3	5.91	1.39	5.62	3.7	7.10
8	2.0	6.09	1.24	5.73	3.2	7.56

[Click Here To Access This Table](#)

Individual Student Reports
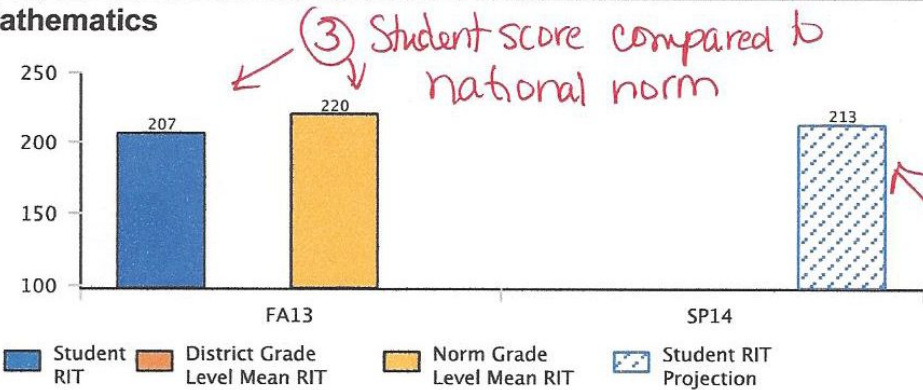
Reading

Term/Year	Grade	RIT (+/- Std Err)	RIT Growth	Growth Projection	Percentile Range
FA13	6	189-**192**-195			5-8-11

Reading chart (RIT scale 100–250):
FA13 Student RIT: 192; Norm Grade Level Mean RIT: 212; SP14 Student RIT Projection: 197

Legend: Student RIT | District Grade Level Mean RIT | Norm Grade Level Mean RIT | Student RIT Projection

Reading Goals Performance - Fall 2013-2014

Literature	Low	Informational Text	Low
Foundational Skills and Vocabulary	Low		
Lexile® Range	357-507L		

(handwritten) ④ Lexile Range

Language Usage
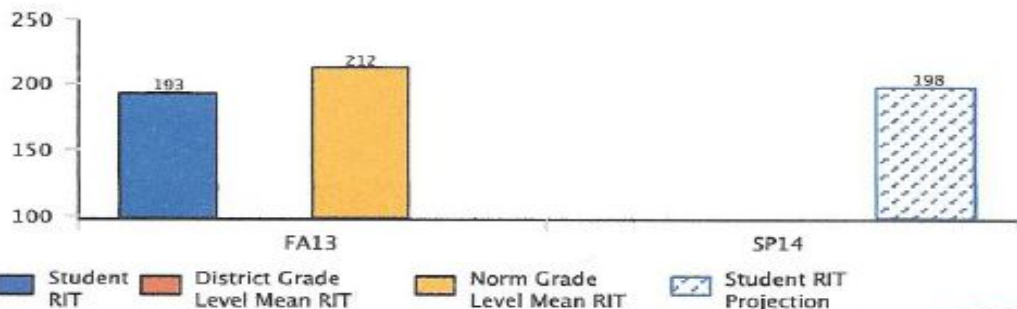
Term/Year	Grade	RIT (+/- Std Err)	RIT Growth	Growth Projection	Percentile Range
FA13	6	190-**193**-195			5-7-9

Language Usage chart (RIT scale 100–250):
FA13 Student RIT: 193; Norm Grade Level Mean RIT: 212; SP14 Student RIT Projection: 198

Legend: Student RIT | District Grade Level Mean RIT | Norm Grade Level Mean RIT | Student RIT Projection

Language Usage Goals Performance - Fall 2013-2014

Writing: Plan, Organize, Develop, Revise, Research		Language: Understand, Edit for Grammar, Usage	Low
	Low		
Language: Understand, Edit Mechanics	Low		

(handwritten) ⑤ specific areas of strength & weakness students can use to set goals for themselves.

Will the scores be shared with parents?

We are in the piloting phase of this assessment program

Historically, benchmark assessments used to drive instruction have not been sent home

The validity of the data as a measurement of growth can't be assessed or analyzed until students complete this first year of testing.

How can I support my child?

1.Maintain your strong relationship with your child's teacher.

2. Goal setting - Use the RIT score to discuss with your child as an important partner in the conversation about goal setting.

3. Encourage your child to read, read and read.

http://www.nea.org/grants/facts-about-childrens-literacy.html

Resources for Parents

Parent Toolkit-

https://www.nwea.org/parent-toolkit/

Q & A Reference Sheet-

On Stratford's website

Mobymax -

https://www.mobymax.com/signin

RAZ kids -

https://www.raz-kids.com/

Scholastic -

http://www.scholastic.com/parents/books-and-reading/book-lists-and-recommendations/ages-8-10

Khan academy -

https://www.khanacademy.org/