



Northwest Evaluation Association (NWEA)

Measures of Academic Progress (MAP) Fall 2020



MAP Assessment

Universal Screener

- Given to all students K-8
- Relatively Brief
- Identify students who may be at risk

Assess Impact of COVID19

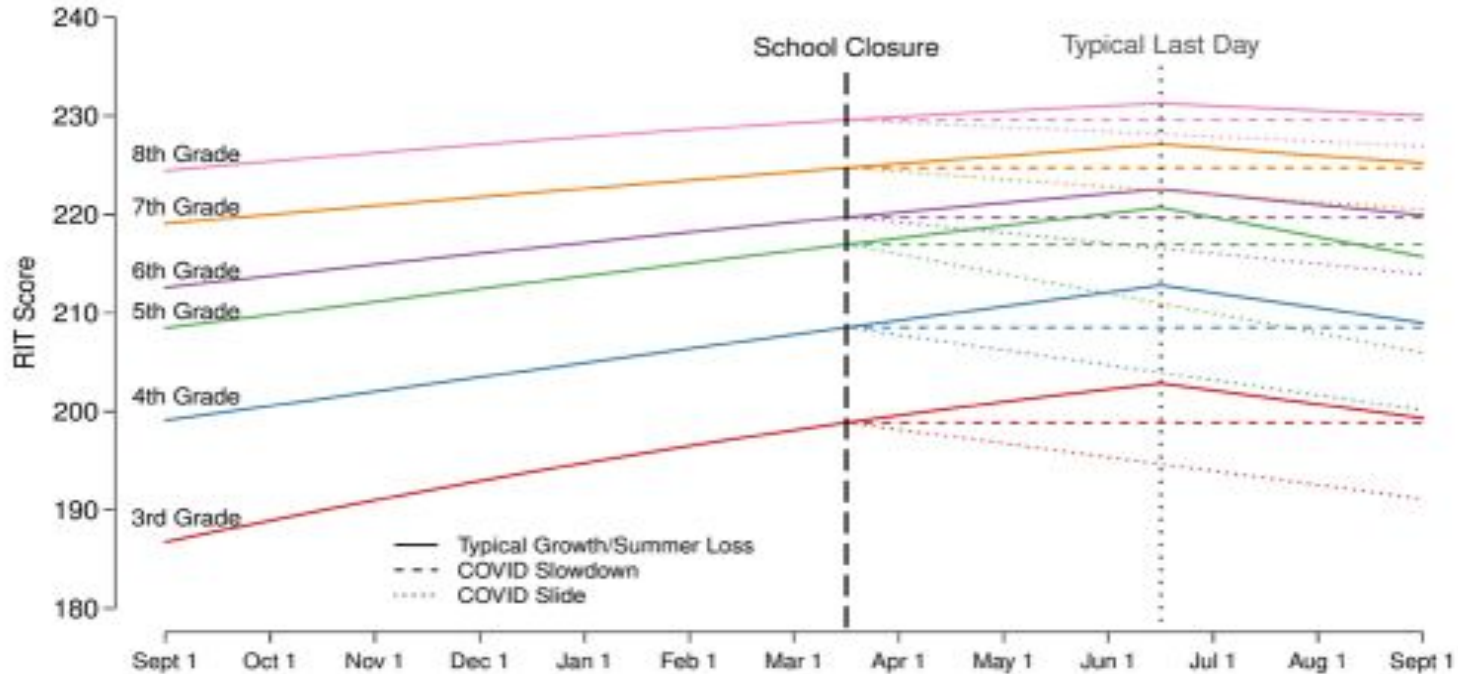
- RIT Scores
- Growth Targets
- Percentile Rankings



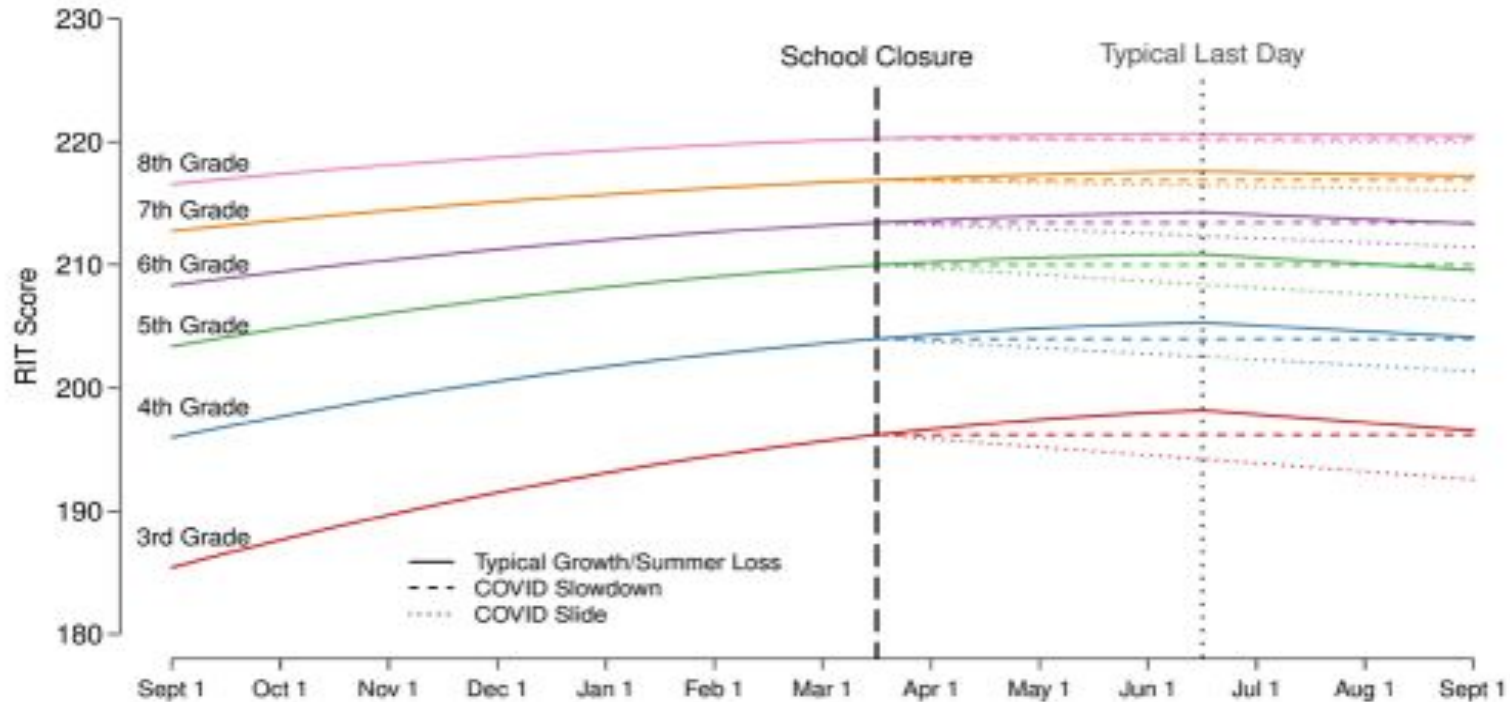
Big concept

The MAP assessment results help identify students' strengths and challenges, but they are only one data point and should not be used as the sole tool for evaluating student progress.

NWEA Preliminary Estimates of Impact due to COVID on Mathematics Scores



NWEA Preliminary Estimates of Impact due to COVID on Reading Scores





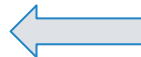
Guiding Questions

- ▶ If and to what extent has student achievement changed across the period of interrupted learning ?
- ▶ Did interrupted learning have a greater impact on certain content areas than others?
- ▶ Did interrupted learning have a more significant impact on certain grades compared to others?
- ▶ Do we see differential achievement trends across student sub-groups?



Westport's Results Math

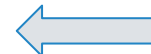
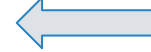
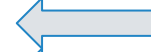
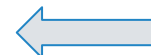
MATH - MAP Growth				
Mean Rasch (RIT) Scores				
WPS Grade	National Mean	Fall 2018	Fall 2019	Fall 2020
K	139.6		148.4	152.0
1	160.1	165.4	171.5	168.6
2	175.0	191.3	187.0	185.4
3	188.5	196.8	198.4	193.7
4	199.6	210.2	212.7	206.1
5	209.1	221.6	224.0	219.6
6	214.8	229.8	226.9	224.9
7	220.2	234.3	239.1	232.1
8	224.9	245.5	243.4	245.1





Westport's Results Reading

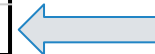
READING - MAP Growth				
Mean RIT Scores				
WPS Grade	National Mean	Fall 2018	Fall 2019	Fall 2020
K	136.7		147.3	149.8
1	155.9		170.2	168.0
2	172.4	187.0	188.4	184.8
3	186.6	199.4	199.6	199.4
4	196.7	210.6	211.4	210.6
5	204.5	216.1	218.5	218.1
6	210.2	222.9	221.5	222.1
7	214.2	226.6	225.0	222.8
8	218.0	229.6	228.0	229.6





Percentage of Students Reaching or Exceeding Growth Targets

WPS Grade	Math		Reading	
	Met Fall to Fall Growth 2019	Met Fall to Fall Growth 2020	Met Fall to Fall Growth 2019	Met Fall to Fall Growth 2020
K	N/A	N/A	N/A	N/A
1	N/A	52.00%	N/A	61.00%
2	70.00%	46.00%	N/A	35.00%
3	23.00%*	31.00%*	37.00%*	48.00%*
4	80.00%	33.00%	65.00%	58.00%
5	75.00%	34.00%	59.00%	49.00%
6	52.00%	26.00%	53.00%	48.00%
7	66.00%	38.00%	43.00%	42.00%
8	63.00%	52.00%	44.00%	63.00%





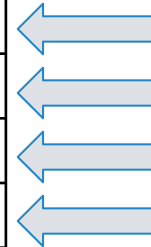
Matched Cohorts 2019 to 2020

MATH							READING							
	<40th		Avg		>60th			<40th		Avg		>60th		
	2019	2020	2019	2020	2019	2020		2019	2020	2019	2020	2019	2020	
K	14%	7%	20%	12%	66%	82%		K	4%	4%	16%	23%	80%	73%
1	12%	16%	9%	17%	79%	67%	←	1	8%	10%	12%	15%	79%	74%
2	11%	9%	12%	17%	76%	73%		2	10%	9%	17%	12%	73%	79%
3	12%	24%	13%	23%	75%	52%		3	13%	12%	12%	14%	76%	74%
4	7%	21%	9%	22%	84%	56%		4	8%	8%	12%	12%	81%	79%
5	6%	15%	11%	19%	84%	66%		5	7%	7%	10%	12%	81%	79%
6	9%	9%	16%	21%	76%	71%		6	10%	9%	14%	14%	76%	76%
7	5%	11%	7%	18%	87%	70%		7	12%	18%	16%	15%	73%	68%
8	10%	7%	9%	11%	81%	83%		8	11%	10%	17%	14%	71%	75%



Average Percentile Rankings Mathematics 2019 to 2020

Cohort	Avg Percentile Rank 2019	Avg Percentile Rank 2020	Difference
Kindergarten to Grade 1	74.8	69.2	-5.6
Grade 1 to Grade 2	70.4	73.1	+2.7
Grade 2 to Grade 3	71.2	61.8	-9.4
Grade 3 to Grade 4	72.0	62.9	-9.1
Grade 4 to Grade 5	76.9	70.0	-6.9
Grade 5 to Grade 6	78.6	69.8	-8.8
Grade 6 to Grade 7	73.2	69.5	-3.7
Grade 7 to Grade 8	81.2	79.7	-1.5





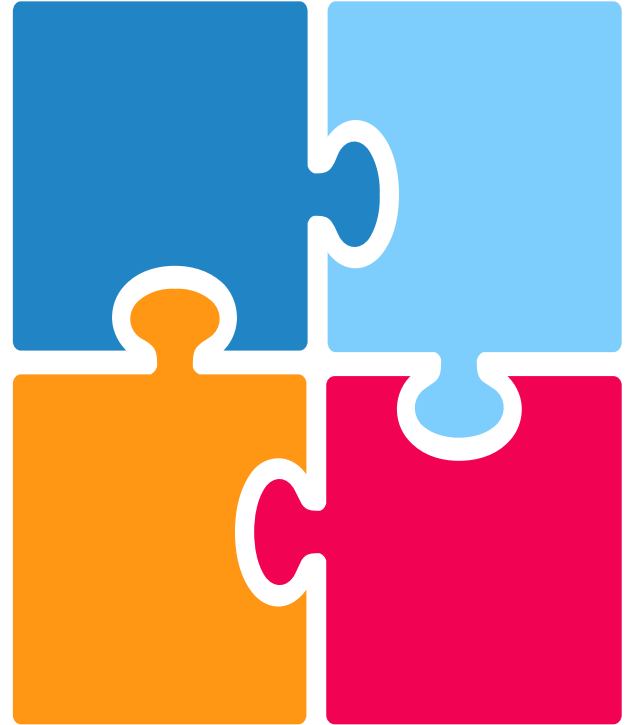
Average Percentile Rankings Reading 2019 to 2020

Cohort	Avg Percentile Rank 2019	Avg Percentile Rank 2020	Difference	
Kindergarten to Grade 1	69.5	75.4	+5.9	←
Grade 1 to Grade 2	70.6	74.7	+4.1	←
Grade 2 to Grade 3	70.3	72.9	+2.6	←
Grade 3 to Grade 4	72.9	75.1	+2.2	←
Grade 4 to Grade 5	76.1	75.3	-0.8	
Grade 5 to Grade 6	76.5	72.8	-3.7	
Grade 6 to Grade 7	72.5	66.1	-6.4	
Grade 7 to Grade 8	70.7	71.5	+0.8	←



Elementary

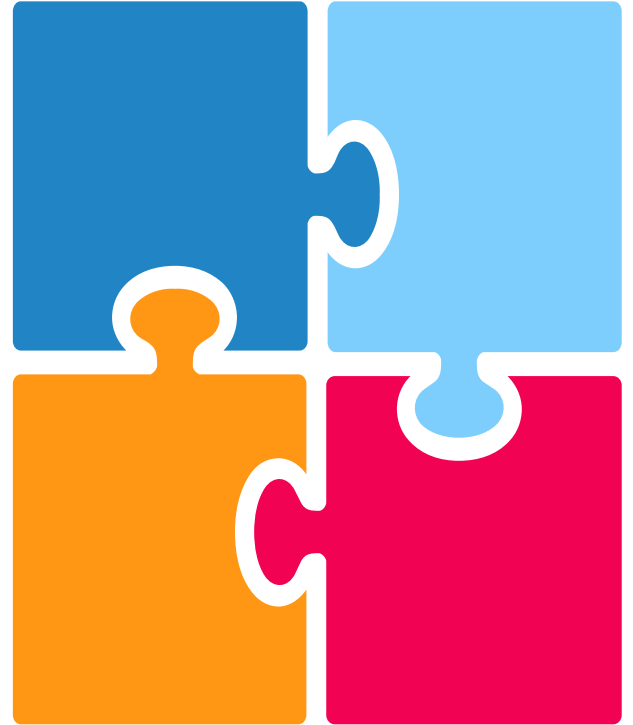
- ▷ Analyzing Individual Student Performance
- ▷ Interventions
- ▷ Small Group Instruction
- ▷ WIN Block dedicated to additional math instruction
- ▷ Track Student Progress





Middle School

- ▷ Analyzing Individual Student Performance
- ▷ Interventions
- ▷ Subgroups will be analyzed, including special education.
- ▷ Track Student Progress





Any questions?

Anthony Buono, Ph.D.

Assistant Superintendent of Teaching and Learning

abuono@westportps.org