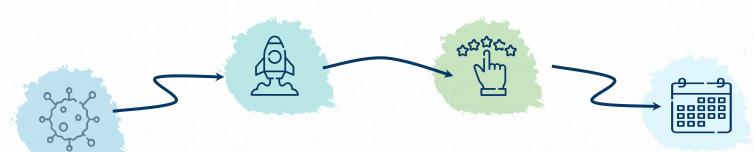
Branchburg Assessment Update

April 15, 2021

A Lot Has Happened Since March 2020 ...



March 2020

Branchburg Schools moved to virtual instruction due to COVID-19 -- it lasted through the end of the 2020 school year

September 2020

Branchburg Schools reopened in a hybrid model for students preK-8, with a modified daily schedule

January 2021

Students in preK-3 were able to return to the classroom for modified daily inperson instruction due to classroom availability and hiring of new staff

April 2021

Students in all 3 district buildings were able to return to the classroom for an extended day, some following a cohort schedule, others for all 5 days

Our Focus with the Return to School

- Provide a safe environment where instruction and learning could take place
- Get to know our students, staff and the routines that would help to make the day run smoothly
- Rebuild the social-emotional connections that were lost as a result of the shift to distance learning in March
- Become proficient with the hybrid delivery of instruction to our students, including strengthening student and staff use and understanding of technology



What Did That Mean for Assessments?

- No rush to formally assess, take time to get to know students and gather information informally about who they are and what supports they need
 - Diagnostic, low stakes, formative assessments were the main method for collecting "data" through the first quarter of the year:
 - questioning for understanding
 - nonverbal communication (student whiteboards, thumbs up/down)
 - entrance/exit tickets
 - student-teacher conferencing
 - small group talk
- Instructional Coaches shared information released from the NJDOE about prerequisite skills in ELA & Mathematics to use as a foundation when introducing new content to students to address potential gaps

 • •

Norm-Referenced Data Comparisons

- As both students and staff grew proficient in their access to instruction and learning over the course of the year, the opportunity to continue administer a large scale, norm-referenced assessment became a reality
 - For validity and consistency, NWEA MAP was administered during the Winter testing window
- Our last comparative data point to a similar assessment was in the Winter of 2020, prior to the pandemic
 - Administering the assessment to students would give us a starting point to identify strengths, weaknesses and/or gaps across grade levels, content areas as well as for individual students



2 Year Grade Level Performance Comparison



Last standardized data point recorded prior to COVID interruption



Most recent standardized data point since COVID interruption



ELA Subscore Key

Literary Text: Key Ideas & Details - Students can read and comprehend literature, make inferences and predictions, and draw conclusions. They can determine key ideas, analyze the development of themes and ideas, and summarize.

Informational Text: Key Ideas & Details - Students can read and comprehend literary texts, making inferences and predictions, drawing conclusions, and citing textual support. They can determine central ideas, analyze the development of arguments, and summarize.

Vocabulary: Acquisition and Use - Students can decode words and recognize and understand word relationships and structures. They can use context cues to decipher word meaning.

Literary Text: Language, Craft and Structure - Students can analyze the structure of literary texts and evaluate the author's craft and purpose. They can interpret figurative language and analyze literary devices.

Informational Text: Language, Craft and Structure - Students can analyze the structure of texts and evaluate a text for bias and for the quality of claims and evidence. Students can evaluate the author's craft, determining author's point of view and purpose.

Math Subscore Key (Grades 2-5)

Operations and Algebraic Thinking - Students can represent and solve problems involving the four operations, understand and apply properties of operations, generate and analyze patterns, and write and interpret numerical expressions.

Numbers and Operations - Students understand the place value system by counting, representing, comparing, rounding, and performing operations with multidigit whole numbers, fractions, and decimals.

Measurement and Data - Students understand and solve measurement problems involving length, mass, liquid volume, time, money, area, perimeter, volume, and angle. They can generate, represent, and interpret data.

Geometry - Students understand and reason with geometric concepts by identifying, describing, creating, and classifying two- and three-dimensional figures. They can solve mathematical problems by graphing points on the coordinate plane.

Math Subscore Key (Grades 6-8)

Operations and Algebraic Thinking - Students can apply and extend previous understandings of arithmetic to algebraic expressions, equations, and inequalities. They can model relationships between quantities using functions and compare, interpret, and build functions in different representations

Geometry - Students can solve problems involving area, circumference, surface area, volume, and angle measure. They understand congruence and similarity in terms of transformations and apply theorems involving properties of circles and right triangles

The Real and Complex Number Systems - Students can apply and extend previous understandings of operations to the real and complex number systems by solving problems involving ratio, rate, proportion, rational numbers, irrational numbers, complex numbers, and the coordinate plane.

Statistics and Probability - Students can summarize, represent, and interpret data, including measures of center and variability, and investigate patterns of association in bivariate data. They can understand and evaluate random processes and compute probabilities of events in a uniform probability model.



Grade 2 ELA & Math

Whiton Elementary School (2020-21)

		Avg. Winter	Avg. Winter	Avg. Winter
ELA	# of students	RIT	Percentile	Lexile
G2	138	190	66	505

Whiton Elementary School (2019-20)

		Avg. Winter	Avg. Winter	Avg. Winter
ELA	# of students	RIT	Percentile	Lexile
G2	136	185	53	370

Whiton Elementary School (2020-21)

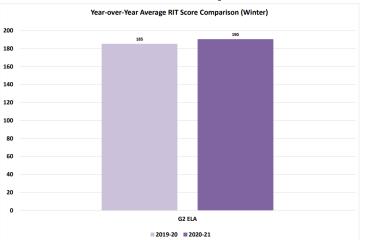
		Avg. Winter	Avg. Winter
Math	# of students	RIT	Percentile
G2	140	187	56

Whiton Elementary School (2019-20)

		Avg. Winter	Avg. Winter
Math	# of students	RIT	Percentile
G2	136	188	54

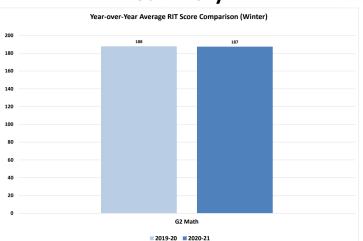
Summary

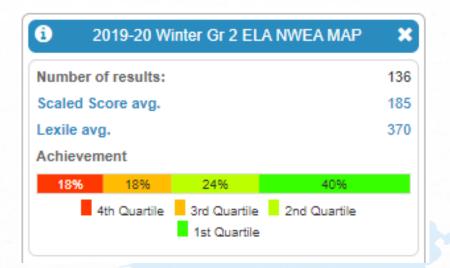




Summary





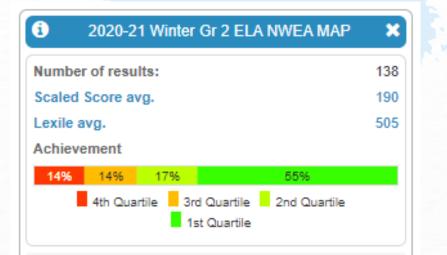


2019-20 Student Percentages

Not Meeting: 18%

Partially/Approaching: 18%

Grade 2 ELA



2020-21 Student Percentages

Not Meeting: 14%

Partially/Approaching: 14%

Grade 2 ELA Subscore Breakdown

2020-21

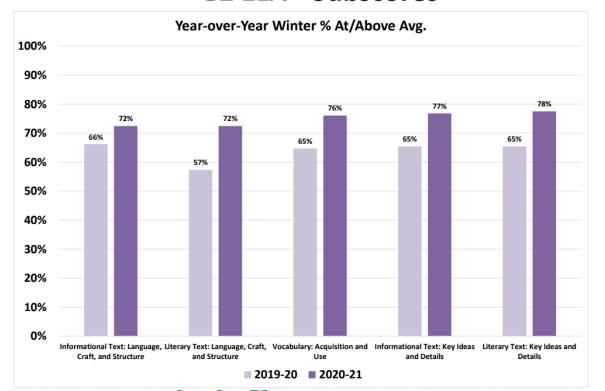
G2 ELA	Whiton Elementary School % At/Above Avg. Winter	
Literary Text: Key Ideas and Details	78%	
Informational Text: Key Ideas and Details	77%	
Vocabulary: Acquisition and Use	76%	
Literary Text: Language, Craft, and Structure	72%	
Informational Text: Language, Craft, and Structure	72%	

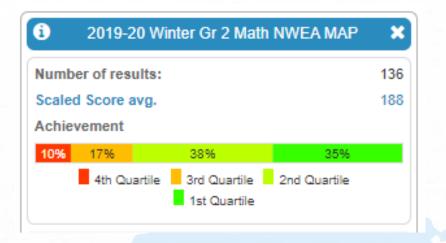
2019-20

G2 ELA	Whiton Elementary School % At/Above Avg. Winter
Literary Text: Key Ideas and Details	65%
Informational Text: Key Ideas and Details	65%
Vocabulary: Acquisition and Use	65%
Literary Text: Language, Craft, and Structure	57%
Informational Text: Language, Craft, and Structure	66%

G2 ELA - Subscores





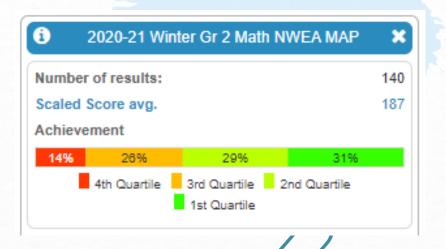


2019-20 Student Percentages

Not Meeting: 10%

Partially/Approaching: 17%

Grade 2 Math



2020-21 Student Percentages

Not Meeting: 14%

Partially/Approaching: 26%

Grade 2 Math Subscore Breakdown

2020-21

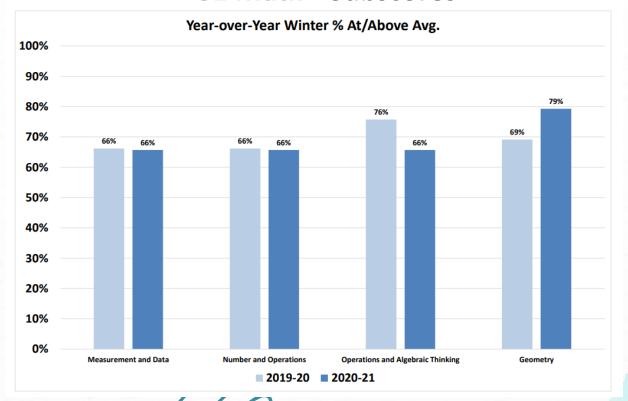
G2 Math	Whiton Elementary School % At/Above Avg. Winter	
Geometry	79%	
Operations and Algebraic Thinking	66%	
Number and Operations	66%	
Measurement and Data	66%	

2019-20

G2 Math	Whiton Elementary School % At/Above Avg. Winter
Geometry	69%
Operations and Algebraic Thinking	76%
Number and Operations	66%
Measurement and Data	66%

G2 Math - Subscores





Grade 3 ELA & Math

Whiton Elementary School (2020-21)

		Avg. Winter	Avg. Winter	Avg. Winter
ELA	# of students	RIT	Percentile	Lexile
G3	137	201	64	707

Whiton Elementary School (2019-20)

		Avg. Winter	Avg. Winter	Avg. Winter
ELA	# of students	RIT	Percentile	Lexile
G3	159	199	57	636

Whiton Elementary School (2020-21)

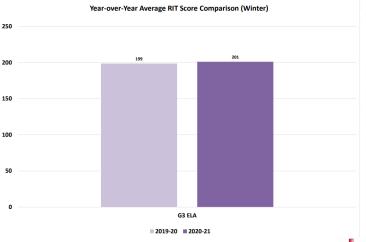
		Avg. Winter	Avg. Winter
Math	# of students	RIT	Percentile
G3	137	200	58

Whiton Elementary School (2019-20)

		Avg. Winter	Avg. Winter
Math	# of students	RIT	Percentile
G3	159	203	62

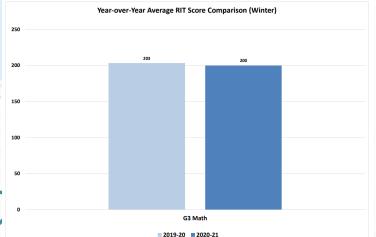
Summary

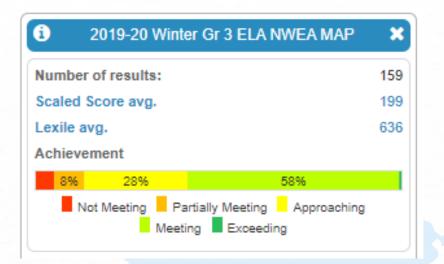




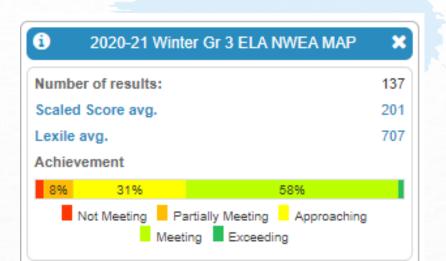
Summary







Grade 3 ELA



2019-20 Student Percentages

Not Meeting: 5%

Partially Meeting: 8%

Approaching: 28%

2020-21 Student Percentages

Not Meeting: 2%

Partially Meeting: 8%

Approaching: 31%

Grade 3 ELA Subscore Breakdown

2020-21

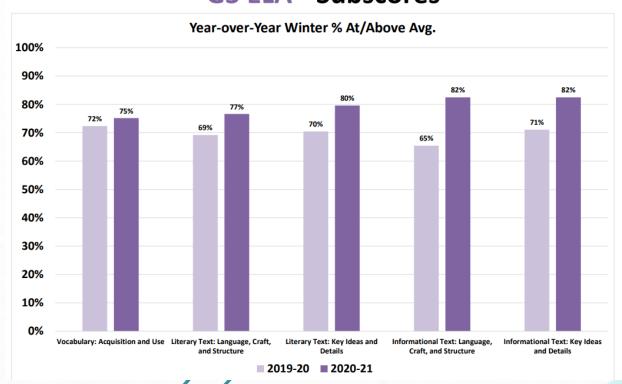
Whiton Elementary School % At/Above Avg. G3 ELA Winter		
Informational Text:	Winter	
Key Ideas and Details	82%	
Informational Text:	939/	
Language, Craft, and Structure	82%	
Literary Text: Key	80%	
Ideas and Details	80%	
Literary Text:	77%	
Language, Craft, and Structure	17%	
Vocabulary: Acquisition and Use	75%	

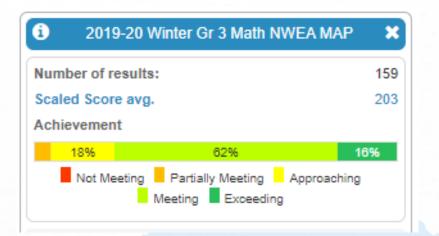
2019-20

G3 ELA	Whiton Elementary School % At/Above Avg. Winter
Informational Text: Key Ideas and Details	71%
Informational Text: Language, Craft, and Structure	65%
Literary Text: Key Ideas and Details	70%
Literary Text: Language, Craft, and Structure	69%
Vocabulary: Acquisition and Use	72%

G3 ELA - Subscores







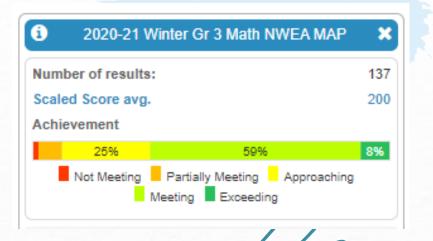
2019-20 Student Percentages

Not Meeting: 0%

Partially Meeting: 4%

Approaching: 18%

Grade 3 Math



2020-21 Student Percentages

Not Meeting: 1%

Partially Meeting: 7%

Approaching: 25%

Grade 3 Math Subscore Breakdown

2020-21

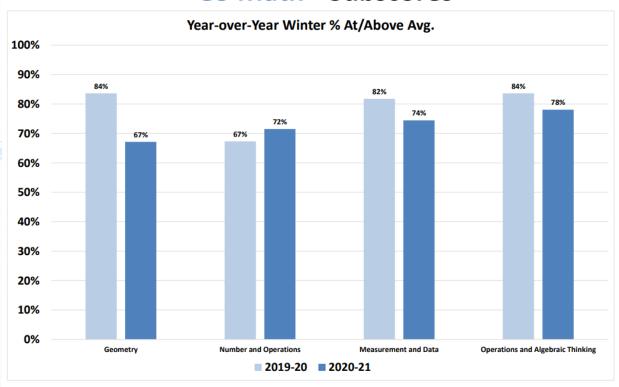
G3 Math	Whiton Elementary School % At/Above Avg. Winter		
Operations and Algebraic Thinking	78%		
Measurement and Data	74%		
Number and Operations	72%		
Geometry	67%		

2019-20

G3 Math	Whiton Elementary School % At/Above Avg. Winter
Operations and Algebraic Thinking	84%
Measurement and Data	82%
Number and Operations	67%
Geometry	84%

G3 Math - Subscores





Stony Brook

120

Grades 4-5 ELA

Summary

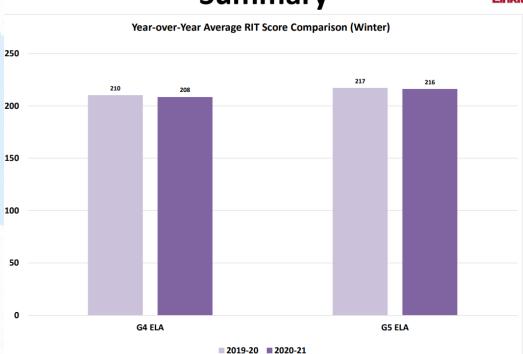


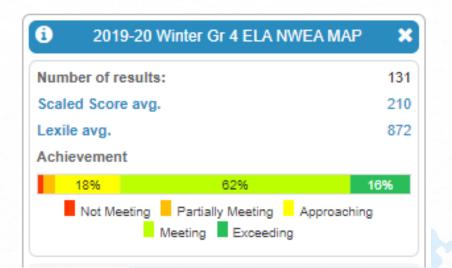
Stony Brook School (2020-21)

		Avg. Winter	Avg. Winter	Avg. Winter
ELA	# of students	RIT	Percentile	Lexile
G4	153	208	63	852
G5	126	216	64	1000
All Grades	279			

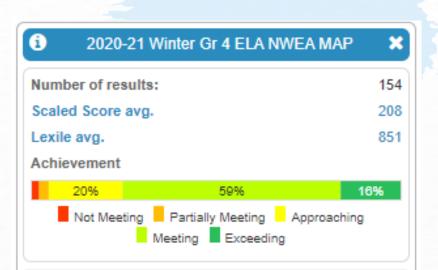
Stony Brook School (2019-20)

		Avg. Winter	Avg. Winter	Avg. Winter
ELA	# of students	RIT	Percentile	Lexile
G4	131	210	64	872
G5	129	217	66	1012
All Grades	260			





Grade 4 ELA



2019-20 Student Percentages

Not Meeting: 2%

Partially Meeting: 3%

Approaching: 18%

2020-21 Student Percentages

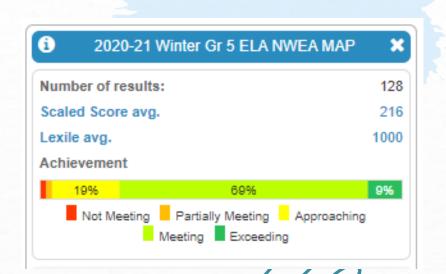
Not Meeting: 2%

Partially Meeting: 3%

Approaching: 20%

Number of results: Scaled Score avg. Lexile avg. Achievement Not Meeting Partially Meeting Meeting Exceeding

Grade 5 ELA



2019-20 Student Percentages

Not Meeting: 2%

Partially Meeting: 5%

Approaching: 13%

2020-21 Student Percentages

Not Meeting: 2%

Partially Meeting: 2%

Approaching: 19%

Grade 4 ELA Subscore Breakdown

2020-21

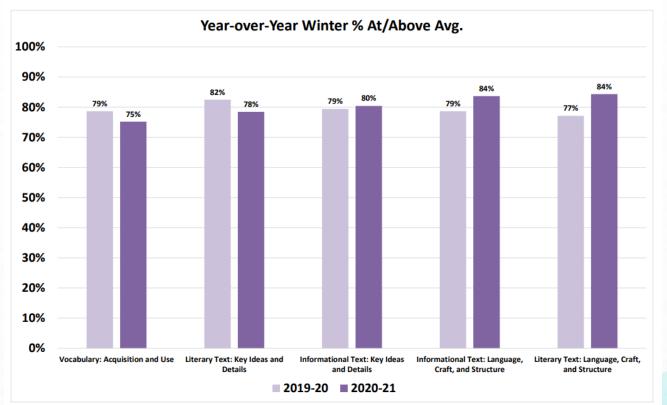
G4 ELA	Stony Brook School % At/Above Avg. Winter			
Literary Text: Language, Craft, and	84%			
Structure				
Informational Text: Language, Craft, and Structure	84%			
Informational Text: Key Ideas and Details	80%			
Literary Text: Key Ideas and Details	78%			
Vocabulary: Acquisition and Use	75%			

2019-20

G4 ELA	Stony Brook School % At/Above Avg. Winter
Literary Text: Language, Craft, and Structure	77%
Informational Text: Language, Craft, and Structure	79%
Informational Text: Key Ideas and Details	79%
Literary Text: Key Ideas and Details	82%
Vocabulary: Acquisition and Use	79%

G4 ELA - Subscores





Grade 5 ELA Subscore Breakdown

2020-21

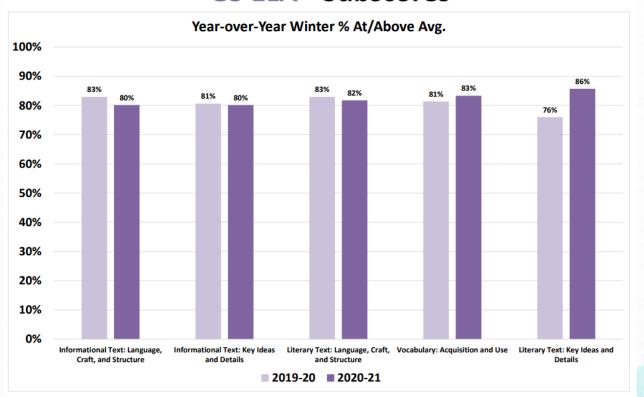
2020-21			
G5 ELA	Stony Brook School % At/Above Avg. Winter		
Literary Text: Key Ideas and Details	86%		
Vocabulary: Acquisition and Use	83%		
Literary Text: Language, Craft, and Structure	82%		
Informational Text: Key Ideas and Details	80%		
Informational Text: Language, Craft, and Structure	80%		

2019-20

G5 ELA	Stony Brook School % At/Above Avg. Winter
Literary Text: Key Ideas and Details	76%
Vocabulary: Acquisition and Use	81%
Literary Text: Language, Craft, and Structure	83%
Informational Text: Key Ideas and Details	81%
Informational Text: Language, Craft, and Structure	83%

G5 ELA - Subscores





Grades 4-5 Math

Stony Brook School (2020-21)

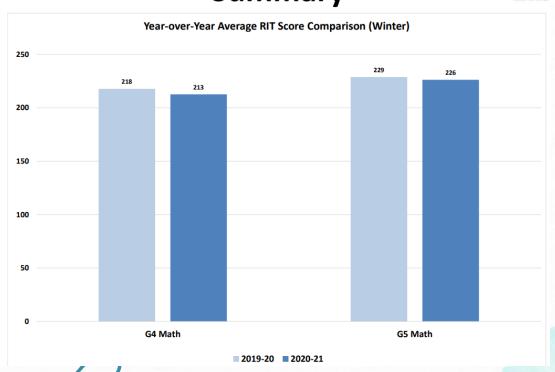
		Avg. Winter	Avg. Winter
Math	# of students	RIT	Percentile
G4	153	213	64
G5	125	226	72
All Grades	278		

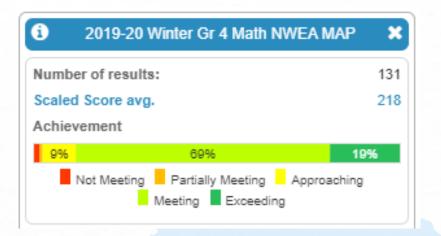
Stony Brook School (2019-20)

		Avg. Winter	Avg. Winter
Math	# of students	RIT	Percentile
G4	131	218	70
G5	130	229	72
All Grades	261		

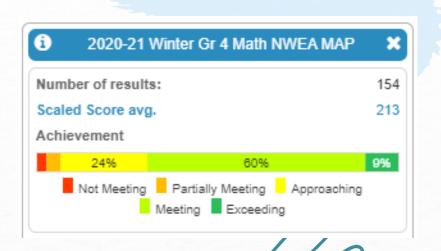
Summary







Grade 4 Math



2019-20 Student Percentages

Not Meeting: 2%

Partially Meeting: 1%

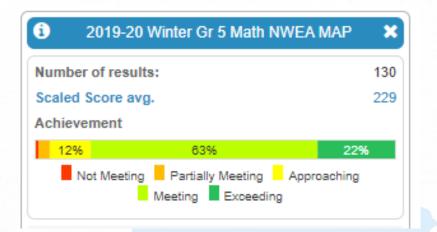
Approaching: 9%

2020-21 Student Percentages

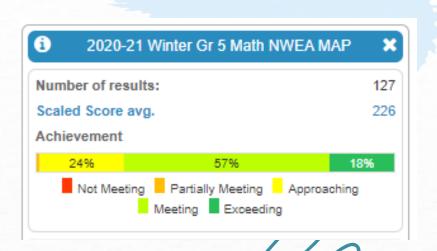
Not Meeting: 3%

Partially Meeting: 4%

Approaching: 24%



Grade 5 Math



2019-20 Student Percentages

Not Meeting: 1%

Partially Meeting: 3%

Approaching: 12%

2020-21 Student Percentages

Not Meeting: 0%

Partially Meeting: 1%

Approaching: 24%

Grade 4 Math Subscore Breakdown

2020-21

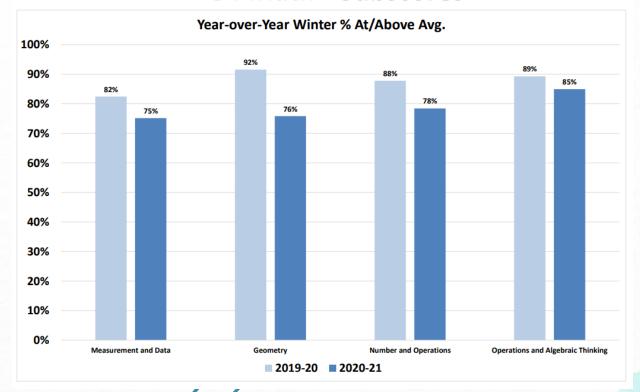
G4 Math	Stony Brook School % At/Above Avg. Winter		
Operations and Algebraic Thinking	85%		
Number and Operations	78%		
Geometry	76%		
Measurement and Data	75%		

2019-20

G4 Math	Stony Brook School % At/Above Avg. Winter
Operations and Algebraic Thinking	89%
Number and Operations	88%
Geometry	92%
Measurement and Data	82%

G4 Math - Subscores





Grade 5 Math Subscore Breakdown

2020-21

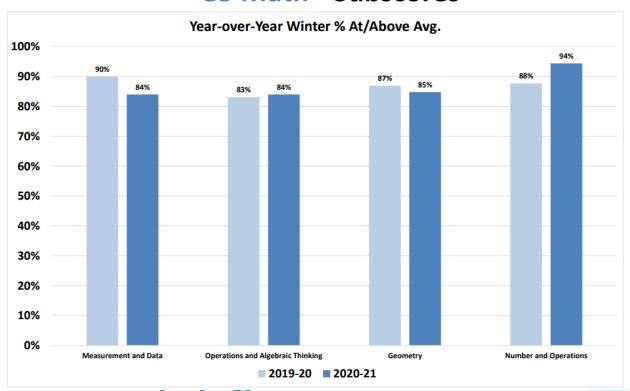
G5 Math	Stony Brook School % At/Above Avg. Winter		
Number and Operations	94%		
Geometry	85%		
Operations and Algebraic Thinking	84%		
Measurement and Data	84%		

2019-20

G5 Math	Stony Brook School % At/Above Avg. Winter
Number and Operations	88%
Geometry	87%
Operations and Algebraic Thinking	83%
Measurement and Data	90%

G5 Math - Subscores







Grades 6-8 ELA

LinkH

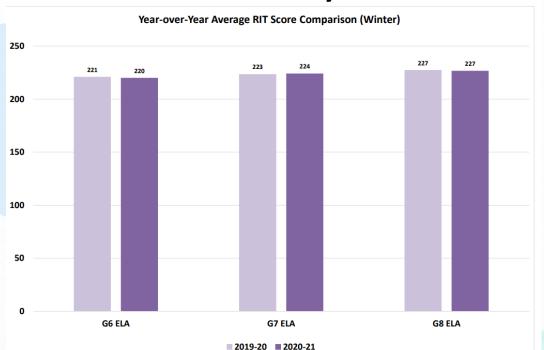
Branchburg Central Middle School (2020-21)

		Avg. Winter	Avg. Winter	Avg. Winter
ELA	# of students	RIT	Percentile	Lexile
G6	129	220	63	1076
G7	174	224	64	1154
G8	178	227	63	1204
All Grades	481			

Branchburg Central Middle School (2019-20)

			•	
		Avg. Winter	Avg. Winter	Avg. Winter
ELA	# of students	RIT	Percentile	Lexile
G6	172	221	65	1090
G7	176	223	65	1139
G8	151	227	68	1218
All Grades	499			

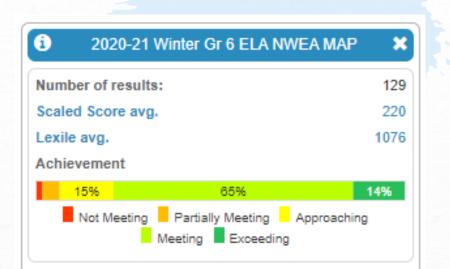
Summary





Number of results: 172 Scaled Score avg. 221 Lexile avg. 1090 Achievement 12% 69% 15% Not Meeting Partially Meeting Approaching Meeting Exceeding

Grade 6 ELA



2019-20 Student Percentages

Not Meeting: 1%

Partially Meeting: 4%

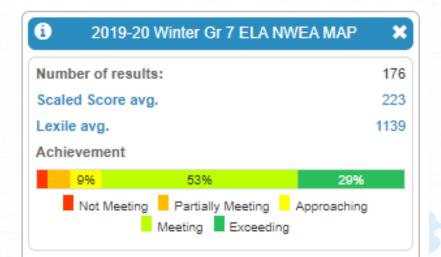
Approaching: 12%

2020-21 Student Percentages

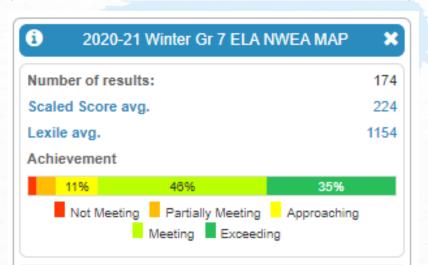
Not Meeting: 2%

Partially Meeting: 5%

Approaching: 15%



Grade 7 ELA



2019-20 Student Percentages

Not Meeting: 3%

Partially Meeting: 6%

Approaching: 9%

2020-21 Student Percentages

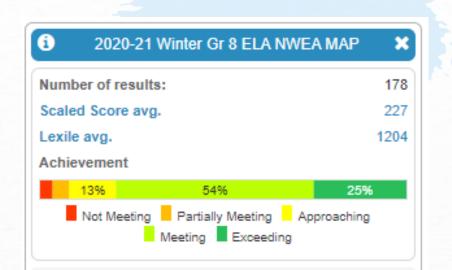
Not Meeting: 2%

Partially Meeting: 5%

Approaching: 11%

Number of results: Scaled Score avg. Lexile avg. Achievement Not Meeting Partially Meeting Meeting Exceeding

Grade 8 ELA



2019-20 Student Percentages

Not Meeting: 3%

Partially Meeting: 2%

Approaching: 11%

2020-21 Student Percentages

Not Meeting: 3%

Partially Meeting: 4%

Approaching: 13%

Grade 6 ELA Subscore Breakdown

2020-21

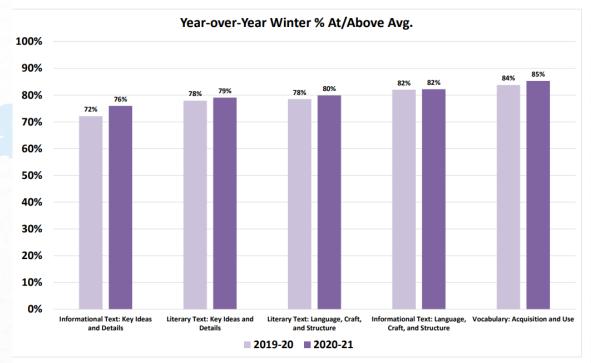
LULU LI		
G6 ELA	urg Central School At/Above A Winter	
Vocabulary: Acquisition and Use	85%	
Informational Text: Language, Craft, and Structure	82%	
Literary Text: Language, Craft, and Structure	80%	
Literary Text: Key Ideas and Details	79%	
Informational Text: Key Ideas and Details	76%	

2019-20

2013-20	
G6 ELA	Branchburg Central Middle School % At/Above Avg. Winter
Vocabulary: Acquisition and Use	84%
Informational Text: Language, Craft, and Structure	82%
Literary Text: Language, Craft, and Structure	78%
Literary Text: Key Ideas and Details	78%
Informational Text: Key Ideas and Details	72%

G6 ELA - Subscores





Grade 7 ELA Subscore Breakdown

2020-21

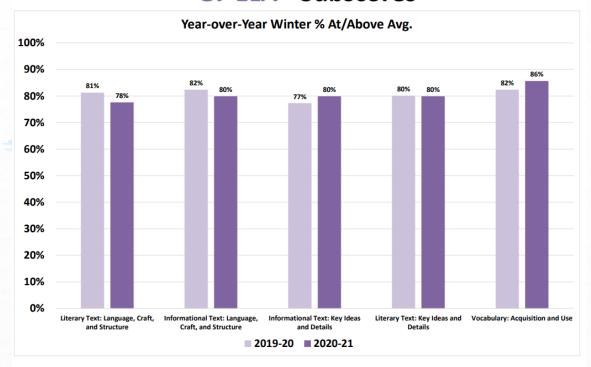
2020-21			
G7 ELA	Branchburg Central Middle School % At/Above Avg. Winter		
Vocabulary: Acquisition and Use		86%	
Literary Text: Key Ideas and Details		80%	
Informational Text: Key Ideas and Details		80%	
Informational Text: Language, Craft, and Structure		80%	
Literary Text: Language, Craft, and Structure		78%	

2019-20

G7 ELA	Branchburg Central Middle School % At/Above Avg. Winter
Vocabulary: Acquisition and Use	82%
Literary Text: Key Ideas and Details	80%
Informational Text: Key Ideas and Details	77%
Informational Text: Language, Craft, and Structure	82%
Literary Text: Language, Craft, and Structure	81%

G7 ELA - Subscores





Grade 8 ELA Subscore Breakdown

2020-21

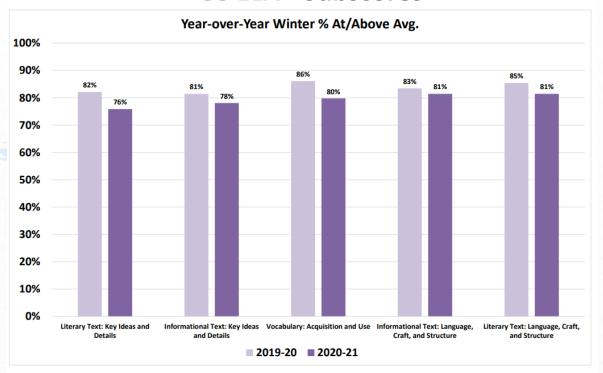
2020 21		
G8 ELA	urg Central School at/Above A Winter	
Literary Text: Language, Craft, and Structure	81%	
Informational Text: Language, Craft, and Structure	81%	
Vocabulary: Acquisition and Use	80%	
Informational Text: Key Ideas and Details	78%	·
Literary Text: Key Ideas and Details	76%	

2019-20

G8 ELA	Branchburg Central Middle School % At/Above Avg. Winter
Literary Text: Language, Craft, and Structure	85%
Informational Text: Language, Craft, and Structure	83%
Vocabulary: Acquisition and Use	86%
Informational Text: Key Ideas and Details	81%
Literary Text: Key Ideas and Details	82%

G8 ELA - Subscores





Grades 6-8 Math

Branchburg Central Middle School (2020-21)

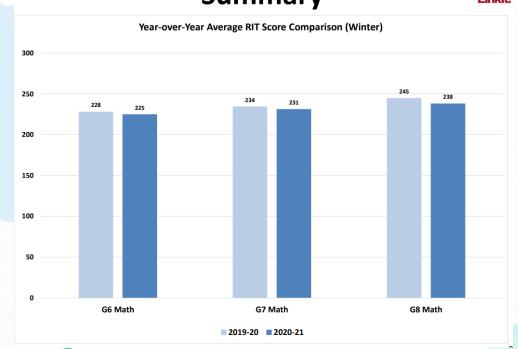
		Avg. Winter	Avg. Winter
Math	# of students	RIT	Percentile
G6	129	225	60
G7	174	231	63
G8	178	238	67
All Grades	481		

Branchburg Central Middle School (2019-20)

		Avg. Winter	Avg. Winter
Math	# of students	RIT	Percentile
G6	170	228	62
G7	175	234	66
G8	152	245	76
All Grades	497		



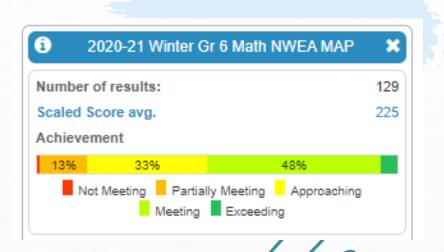






Number of results: Scaled Score avg. Achievement Not Meeting Partially Meeting Approaching Meeting Exceeding

Grade 6 Math



2019-20 Student Percentages

Not Meeting: 2%

Partially Meeting: 6%

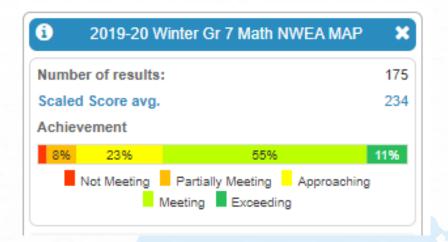
Approaching: 31%

2020-21 Student Percentages

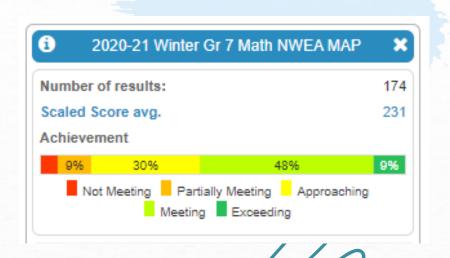
Not Meeting: 1%

Partially Meeting: 13%

Approaching: 33%



Grade 7 Math



2019-20 Student Percentages

Not Meeting: 2%

Partially Meeting: 8%

Approaching: 23%

2020-21 Student Percentages

Not Meeting: 5%

Partially Meeting: 9%

Approaching: 30%

Number of results: Scaled Score avg. Achievement Not Meeting Partially Meeting Approaching Meeting Exceeding

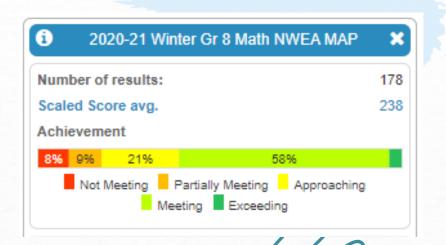
2019-20 Student Percentages

Not Meeting: 3%

Partially Meeting: 4%

Approaching: 23%

Grade 8 Math



2020-21 Student Percentages

Not Meeting: 8%

Partially Meeting: 9%

Approaching: 21%

Grade 6 Math Subscore Breakdown

2020-21

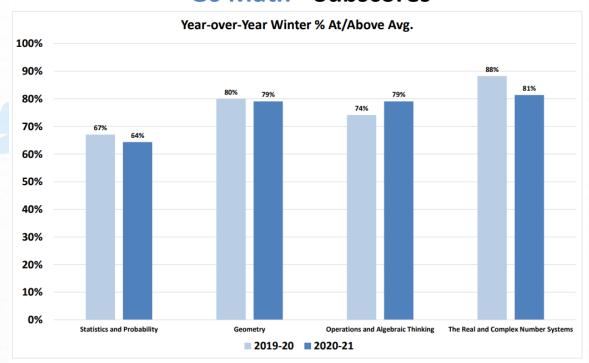
G6 Math	Branchburg Central Middle School % At/Above Avg. Winter		
The Real and Complex Number Systems		81%	
Operations and Algebraic Thinking		79%	
Geometry		79%	
Statistics and Probability		64%	·

2019-20

G6 Math	Branchburg Central Middle School % At/Above Avg. Winter
The Real and Complex Number Systems	88%
Operations and Algebraic Thinking	74%
Geometry	80%
Statistics and Probability	67%

G6 Math - Subscores





Grade 7 Math Subscore Breakdown

2020-21

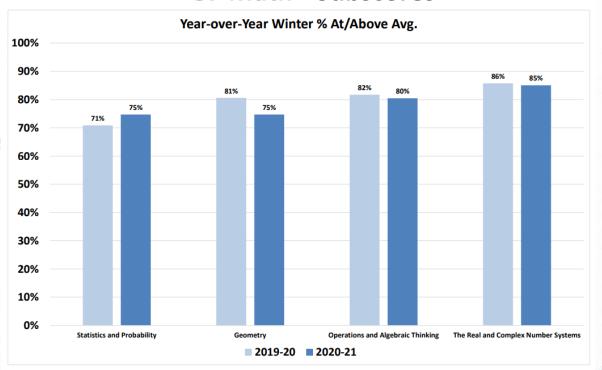
G7 Math	urg Centra School At/Above A Winter	
The Real and Complex Number Systems	85%	
Operations and Algebraic Thinking	80%	
Geometry	75%	
Statistics and Probability	75%	

2019-20

G7 Math	Branchburg Central Middle School % At/Above Avg. Winter
The Real and Complex Number Systems	86%
Operations and Algebraic Thinking	82%
Geometry	81%
Statistics and Probability	71%

G7 Math - Subscores





Grade 8 Math Subscore Breakdown

2020-21

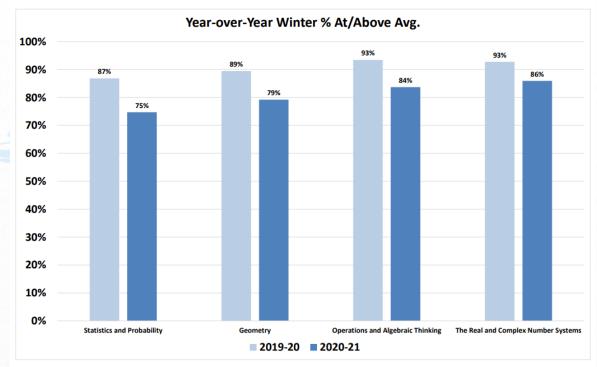
G8 Math	Branchburg Central Middle School % At/Above Avg. Winter		
The Real and Complex Number Systems		86%	
Operations and Algebraic Thinking		84%	
Geometry		79%	
Statistics and Probability		75%	·

2019-20

G8 Math	Branchburg Central Middle % At/Above Avg. Winter
The Real and Complex Number Systems	93%
Operations and Algebraic Thinking	93%
Geometry	89%
Statistics and Probability	87%

G8 Math - Subscores





Comparative Performance Across Cohorts of Students



Last standardized data point recorded prior to COVID interruption



Winter '21 MAP

Most recent standardized data point since COVID interruption

Test	Score (Avg.)	
2019-20 Winter Gr 2 ELA NWEA MAP	185	٠
2020-21 Winter Gr 3 ELA NWEA MAP	201	w

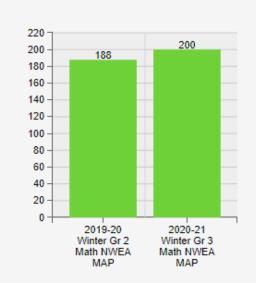
Score (Avg.)

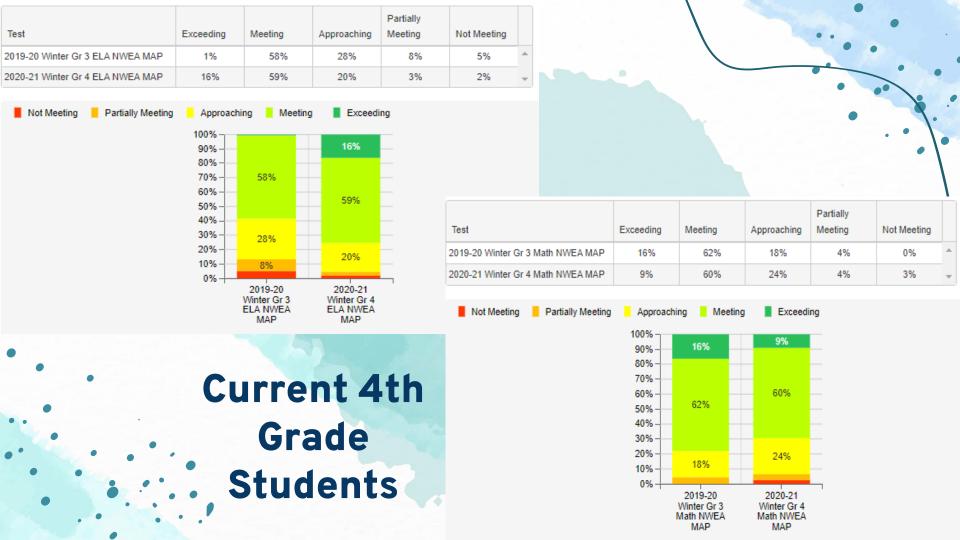


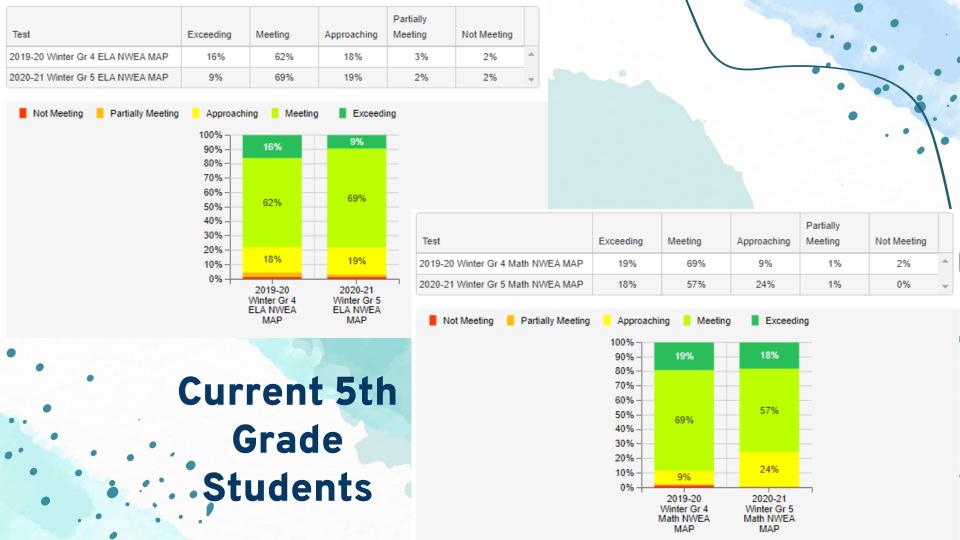
Current 3rd Grade Students

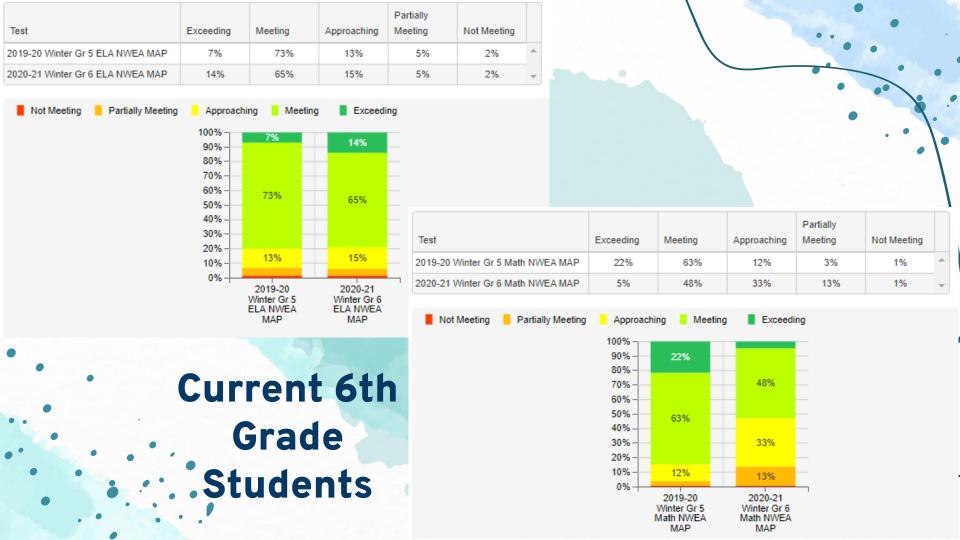
Test	Score (Avg.)	
2019-20 Winter Gr 2 Math NWEA MAP	188	^
2020-21 Winter Gr 3 Math NWEA MAP	200	-

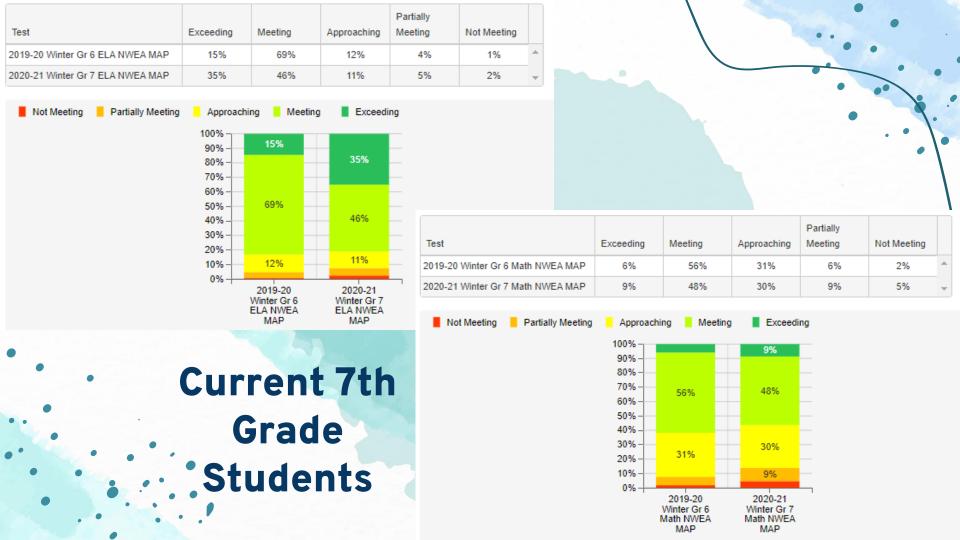
Score (Avg.)

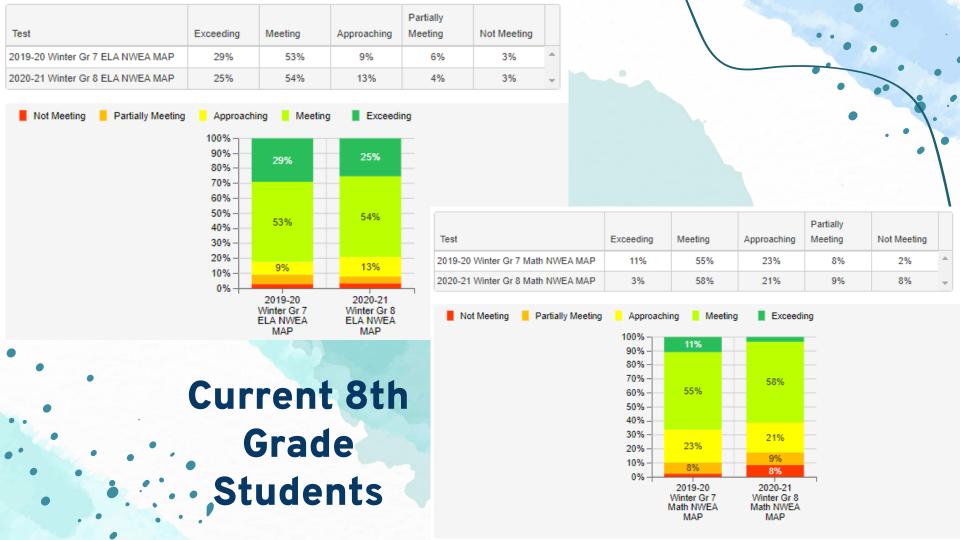














Upon completion of the Winter testing window:

- Instructional Coaches and Administration met with staff in all buildings to review how to access data through our data/testing platforms in order to delve more deeply into subscore breakdowns and corresponding student performance
- Individual student family performance reports were sent out to parents electronically
- Instructional delivery was modified, where appropriate, based on student performance working towards year-end grade level standards

Our Plan Looking Forward ...

- We plan to assess during the Spring window (tentatively late May) to provide an additional data point for growth comparison as our length of and locations for instruction have changed over the course of the year
- The Winter-Spring MAP data comparison will help us to better understand the full picture of student performance over the course of the year as well as set the groundwork for instructional modifications needed next year
- Our formative assessments that have been taking place throughout the year will continue to provide more specific clarity, identifying and helping to report student progress to parents at the end of the year



Additional Questions?

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