




# Academic Report for School Year 2020-2021

September 28, 2021


Madison Board of Education



# Organization of Workshop:



- ❖ District Level Summary
  - ❖ School Level Summary
    - ❖ Questions/Comments



## Students who missed 120-240 in-person learning days

March, 2020-June, 2021

Grade	Student Count	% of Students
3	10	6.2%
4	11	6.9%
5	18	11.2%
6	21	11.8%
7	29	15.6%
8	30	16.0%

One Trimester =  
~60 days of in-person learning

Smarter Balanced Assessment  
(SBA)

Administered in Grades 3-8

NOTE: Grades 3 AND 4 had first administration in 2021

### State Categories:

**Fully/mostly In Person:** > 75% of membership days were in person

**Hybrid:** 25-75% membership days were in-person

**Fully/mostly remote:** < 25% membership days were in person

# Testing Opt Outs Comparisons

## TESTING Refusals / Non-Participants COMPARISON

	2018			2019			2021		
	# of Refusals/ Non-participants	Total # of Enrollments in Grades Tested	Percentage	# of Refusals/ Non-participants	Total # of Enrollments in Grades Tested	Percentage	# of Refusals/ Non- participants	Total # of Enrollments in Grades Tested	Percentage
DHHS (NGSS)	5	269	1.8%	4	285	1.4%	16	233	6.8%
Polson	102	430	23.7%	74	422	17.5%	20	549	3.6%
Brown	30	395	7.6%	27	373	7.2%	6	320	1.9%
Jeffrey	2	149	1.3%	1	139	0.7%	1	88	1.1%
Ryerson	4	82	4.9%	4	78	5.1%	1	71	1.4%
Island	4	111	3.6%	3	105	2.9%			

# LAS LINKS ACCOUNTABILITY INDEX SCORE HISTORY

- 36 Students
- 31/36 from last administration
- 97% participation
- 2e and 2f Accountability Indicators based on **Percent of Target Achieved**

**PREDICTION** 

## 2018-2019 Accountability Report Results

	Index/Rate	Target	Points Earned	Max Points	% Points Earned	State Average % Points Earned
2e. Progress Toward English Proficiency - Literacy	69.70%	100%	34.8	50	69.7	60
2f. Progress Toward English Proficiency - Oral	50.50%	100%	25.2	50	50.5	52.1

## 2019-2020 Accountability Report Results

	Index/Rate	Target	Points Earned	Max Points	% Points Earned	State Average % Points Earned
2e. Progress Toward English Proficiency - Literacy	81.80%	100%		50		60.40%
2f. Progress Toward English Proficiency - Oral	87.30%	100%		50		57.60%

## 2020-2021 Accountability Result **PREDICTIONS**

Based on Preliminary Results

	Index/Rate	Target	Points Earned	Max Points	% Points Earned	State Average % Points Earned
2e. Progress Toward English Proficiency - Literacy	78.09%	100%	39.0	50	78.1%	TBD
2f. Progress Toward English Proficiency - Oral	64.63%	100%	32.3	50	64.6%	TBD



# Daniel Hand High School Results

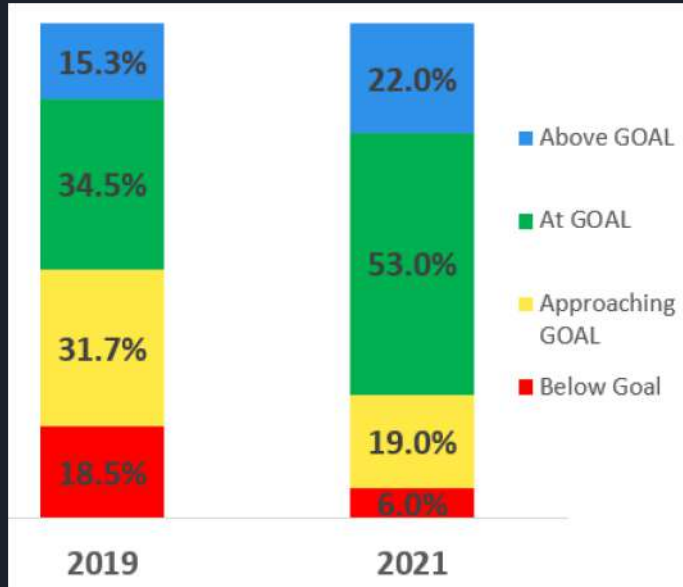
# Daniel Hand High School



Grade 11

NGSS Summative Assessment

2019 Results Comparison to 2021 Results

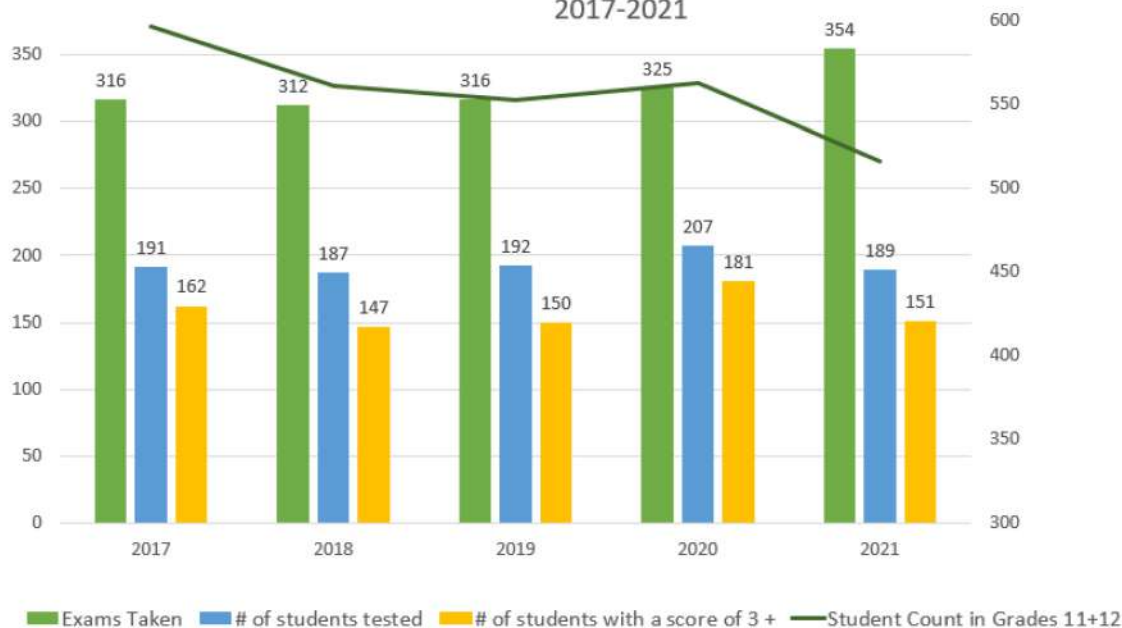


2019 % at/above GOAL	2021 % at/above GOAL
50%	75%

+ 25% between  
administration of  
students at or above goal



AP Exam Participation & Score Detail  
2017-2021



## ANALYSIS

2021 participation continues to be high despite declining enrollment

DHHS AP goals moving forward

- ❖ Increase student participation in the AP experience.
- ❖ Explore increasing # of AP course offerings

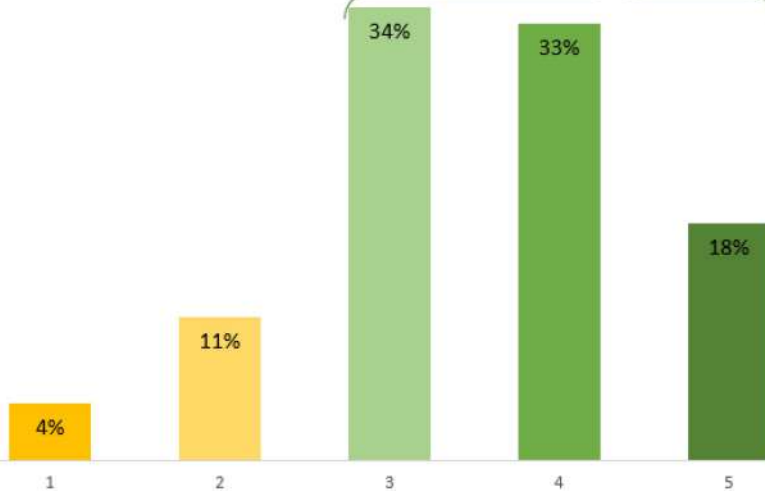


# TRENDS in AP SCORES



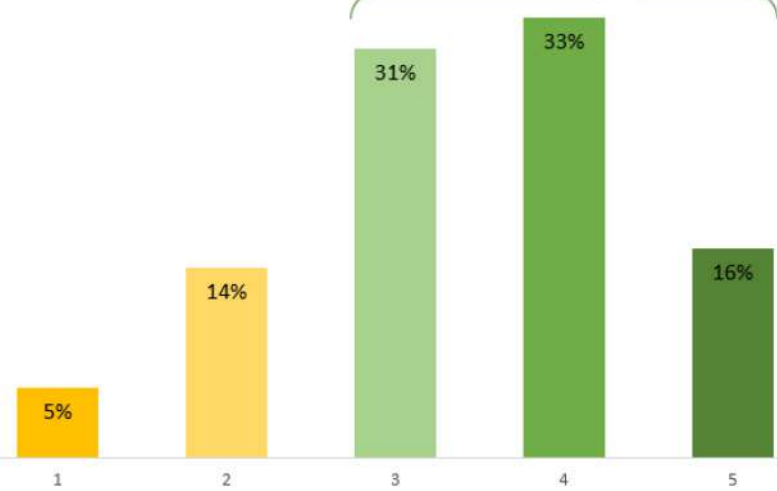
2020 AP Exam Results

85% scored at 3 or above

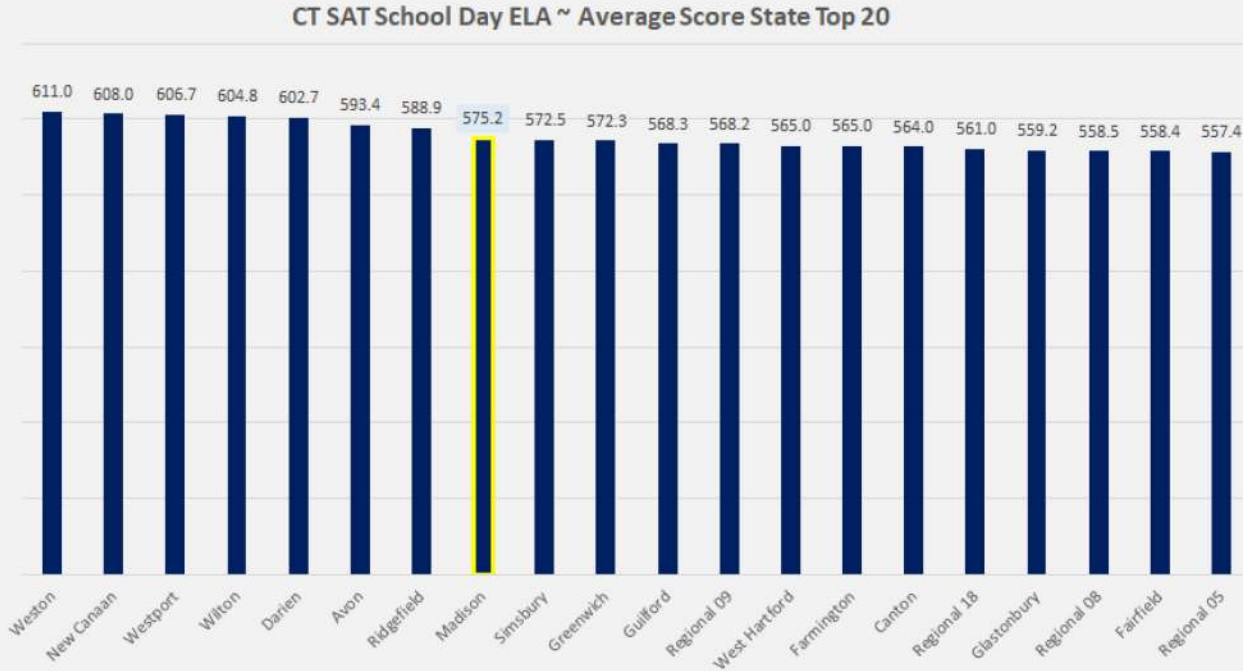


2021 AP Exam Results

80% scored at 3 or above



# SAT State Ranking: ELA



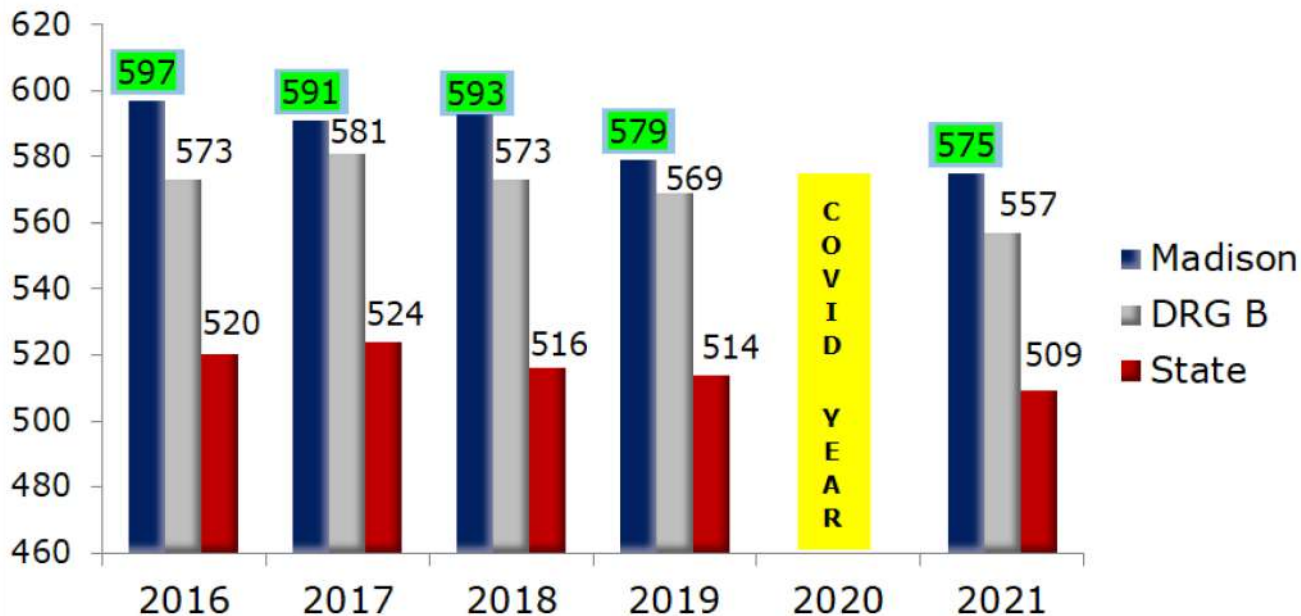
Not all test takers scores represented, as State suppressed student scores for learning models with less than 20 students.



## Spring 2016-2017-2018-2019-2021 CT SAT Day

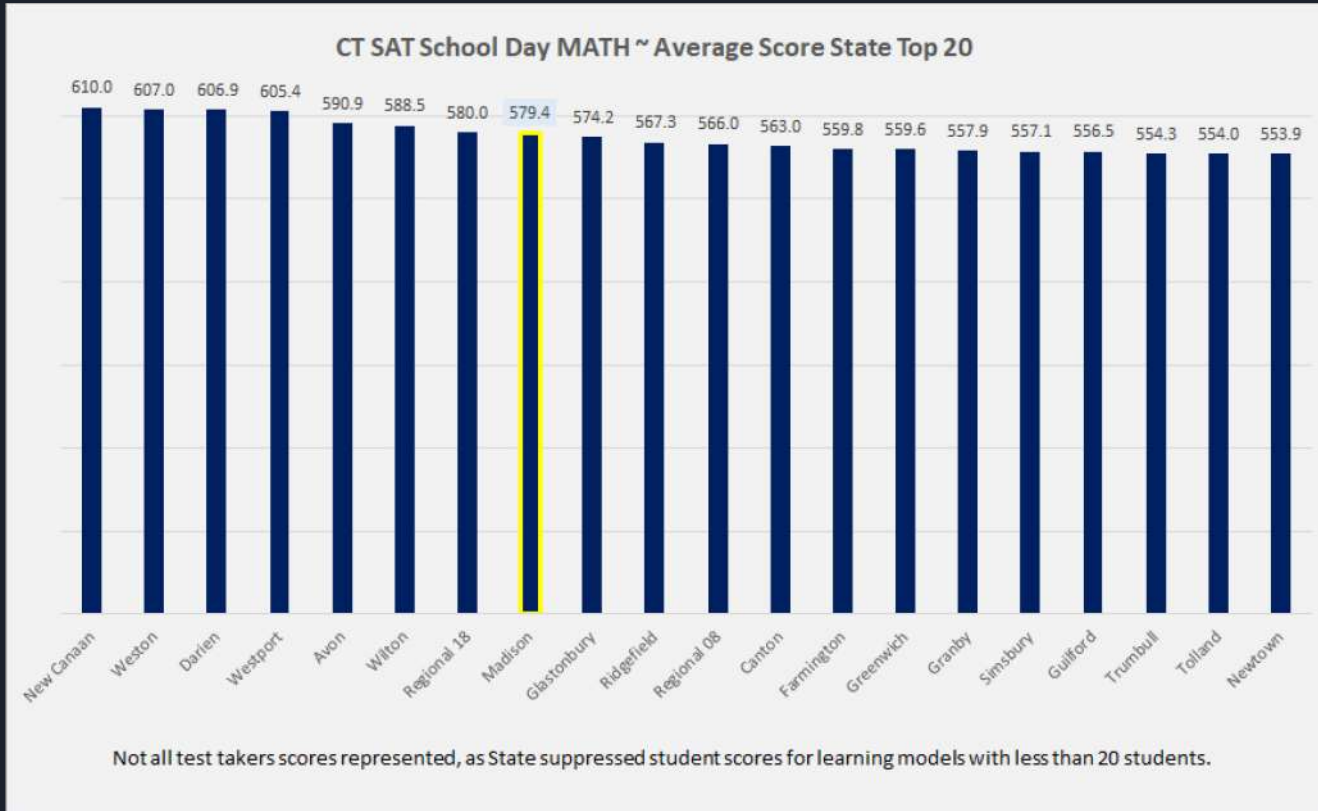
### English Language Arts

#### Average Score Comparison for Madison, DRG B and the State of CT



2016-2019 Data from scores reported in EdSight; 2021 results are from CSDE district data file disaggregated into 3 different learning models. Not all test takers scores represented, as State suppressed student scores for learning models with less than 20 students.

# SAT State Ranking : Mathematics

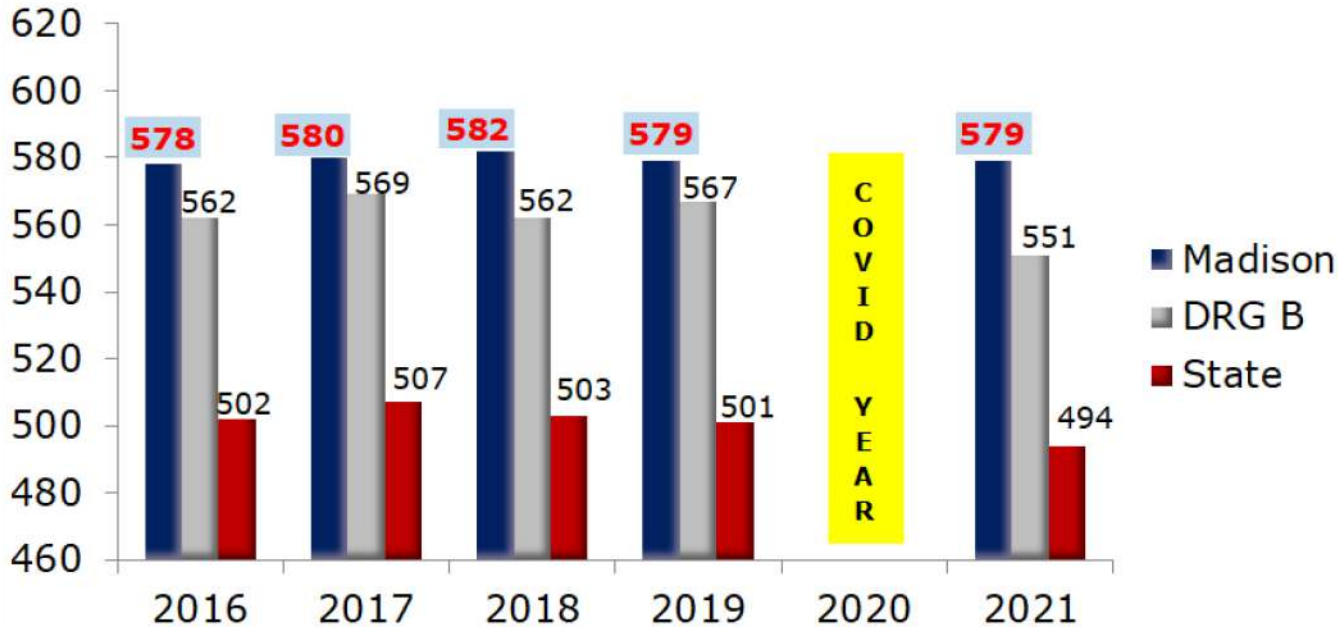




## Spring 2016-2017-2018-2019-2021 CT SAT Day

# Mathematics

### Average Score Comparison for Madison, DRG B and the State of CT



2016-2019 Data from scores reported in EdSight; 2021 results are from CSDE district data file disaggregated into 3 different learning models. Not all test takers scores represented, as State suppressed student scores for learning models with less than 20 students.

# Daniel Hand High School

SAT ELA Targeted Areas for Growth		SAT MATH Targeted Areas for Growth	
<b><u>Words in Context</u></b> Ability to interpret words and phrases in context	23/216 (11%)	<b><u>Passport to Advanced Math</u></b> Analyzing, manipulating, and rewriting expressions, interpreting and building functions and reasoning with complex equations	31/216 (14%)
<b><u>Expression of Ideas</u></b> Ability to revise multi-paragraph texts	20/216 (9%)	<b><u>Heart of Algebra</u></b> Skills with linear equations & systems of linear equations	24/216 (11%)

227 students in the Class of 2022 as of March 2021



# District Smarter Balanced Results

SY 2021

# Overall Performance on SBA by Subject & Grade

## English Language Art

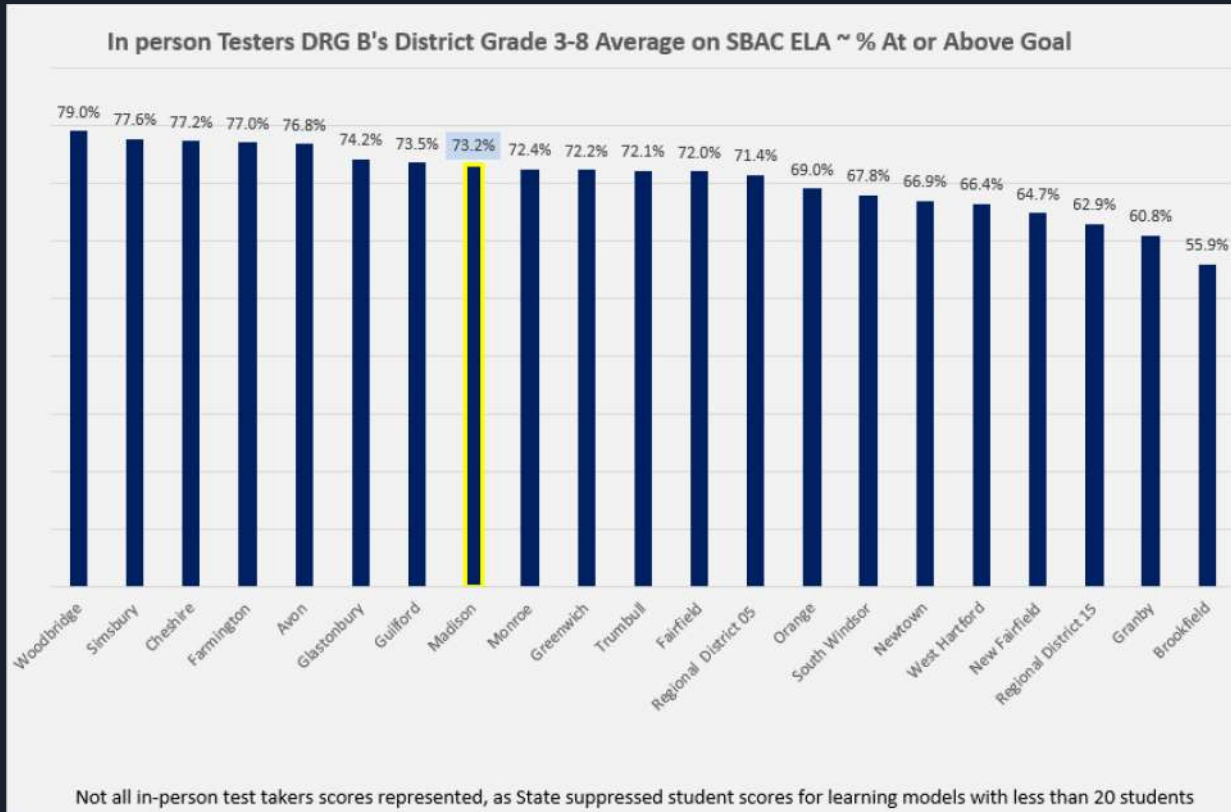
Percent at Level 3 or Above			
	2018-2019	2020-2021	
Grade 3	82%	70%	-12%
Grade 4	74%	78%	+4%
Grade 5	69%	75%	+6%
Grade 6	70%	70%	0
Grade 7	66%	70%	+4%
Grade 8	55%	77%	+22%

## Mathematics

Percent at Level 3 or Above			
	2018-2019	2020-2021	
Grade 3	84%	68%	-16%
Grade 4	74%	72%	-2%
Grade 5	61%	61%	0
Grade 6	64%	70%	+6%
Grade 7	68%	72%	+4%
Grade 8	52%	72%	+20%

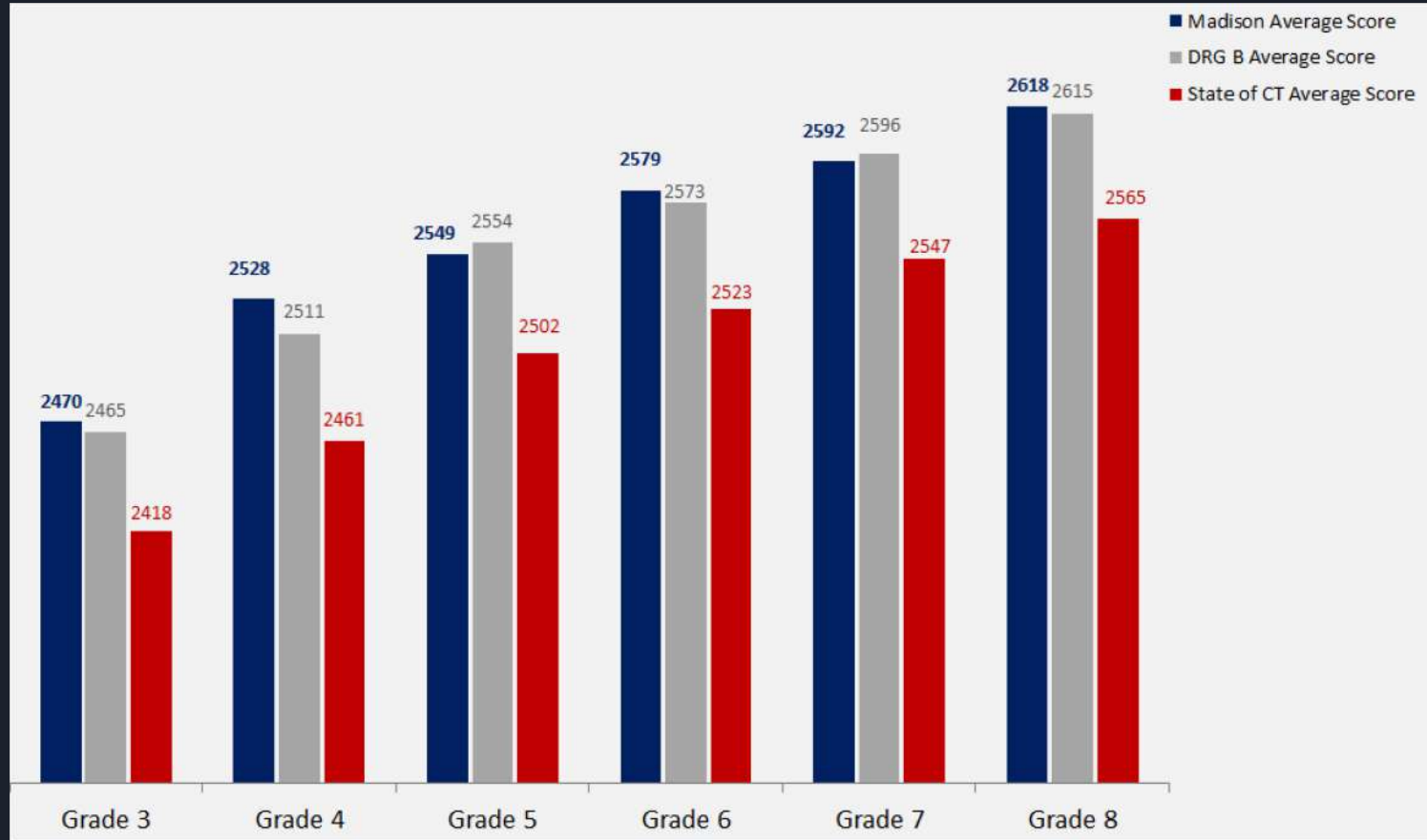


# ALL GRADES COMBINED - SBA ELA (3-8) DRG B District Average

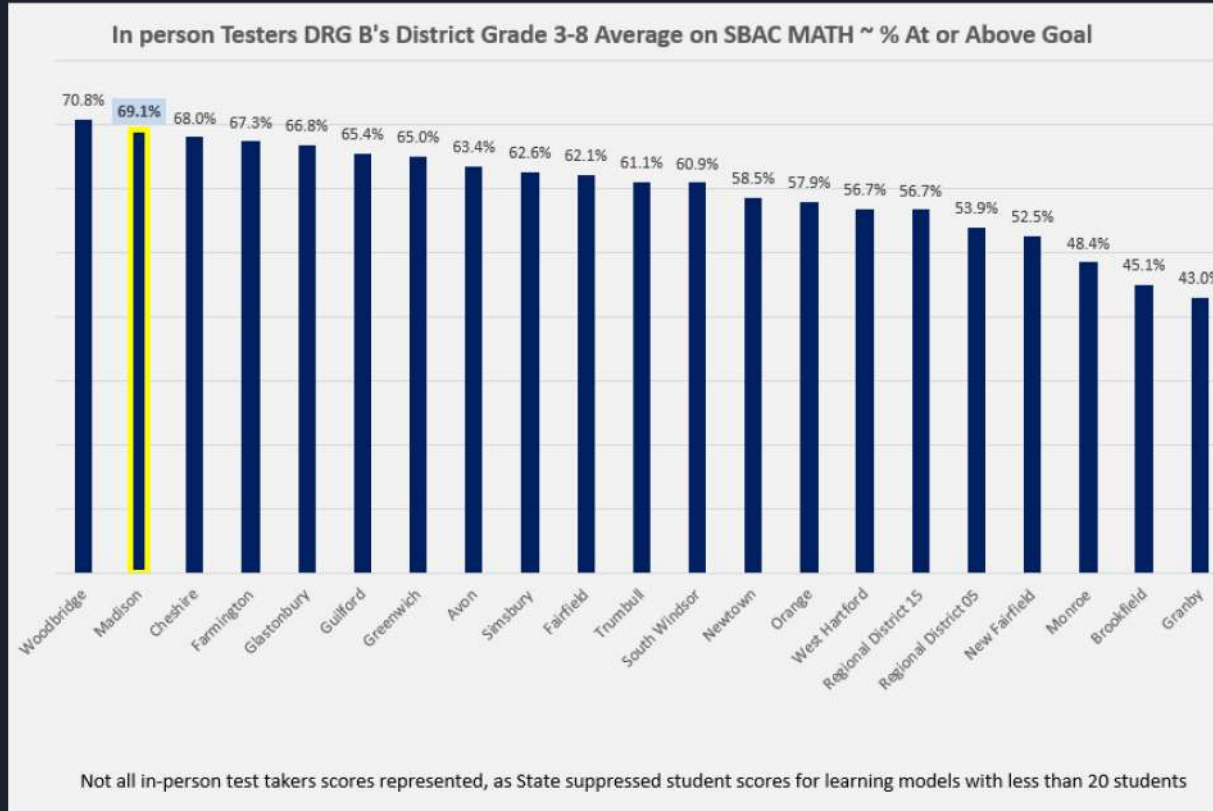


# Spring 2021 SBA English Language Arts Vertical Scores Averages

Madison, DRG B & State of CT

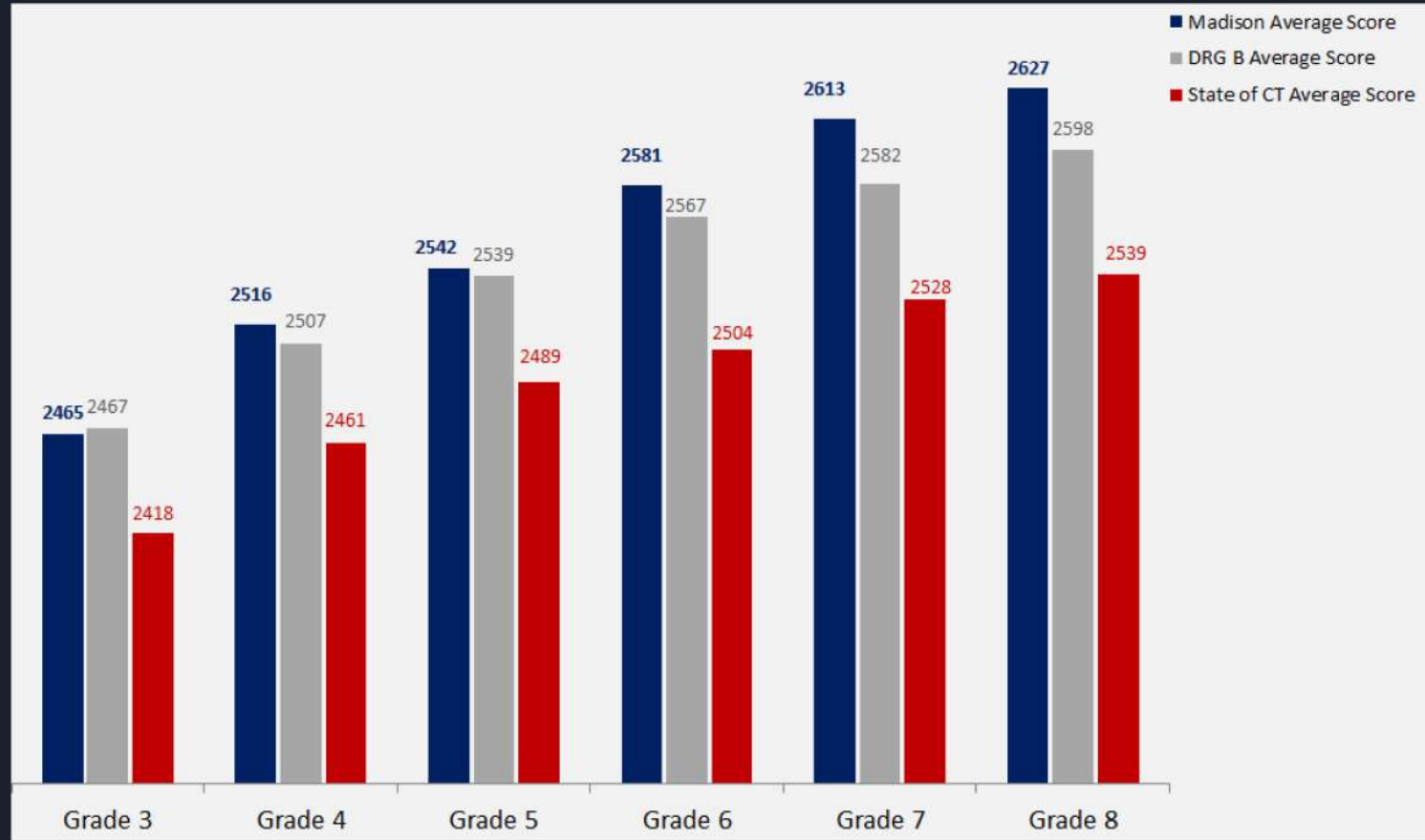


# ALL GRADES COMBINED - SBA MATH (3-8) DRG B District Average



# Spring 2021 SBA **Mathematics** Vertical Scores Averages

Madison, DRG B & State of CT



# Overall Performance on SBA by Cohort



## English Language Arts

	2014-15	2015-16	2016-17	2017-18	2018-19	2020-21
3	77%	83%	69%	63%	82%	70%
4	81%	81%	79%	72%	74%	78%
5	75%	72%	77%	72%	69%	75%
6	74%	68%	65%	68%	70%	70%
7	80%	63%	65%	61%	66%	70%
8	71%	66%	50%	58%	55%	77%
All	76%	72%	68%	66%	69%	73%

## Mathematics

	2014-15	2015-16	2016-17	2017-18	2018-19	2020-21
3	77%	86%	76%	68%	84%	68%
4	80%	75%	80%	73%	74%	72%
5	57%	63%	66%	69%	61%	61%
6	43%	45%	45%	57%	64%	70%
7	62%	57%	62%	62%	68%	72%
8	61%	60%	50%	60%	52%	72%
All	76%	72%	68%	66%	67%	70%



Walter C. Polson  
Middle School

# Polson Middle School

Grade 8

NGSS Summative Assessment

2019 Results Comparison to *Preliminary* 2021 Results



**WP  
MS**



2019 % at/above GOAL	2021 % at/above GOAL
50%	70%

**+ 20% between  
administrations of  
students at or above goal**

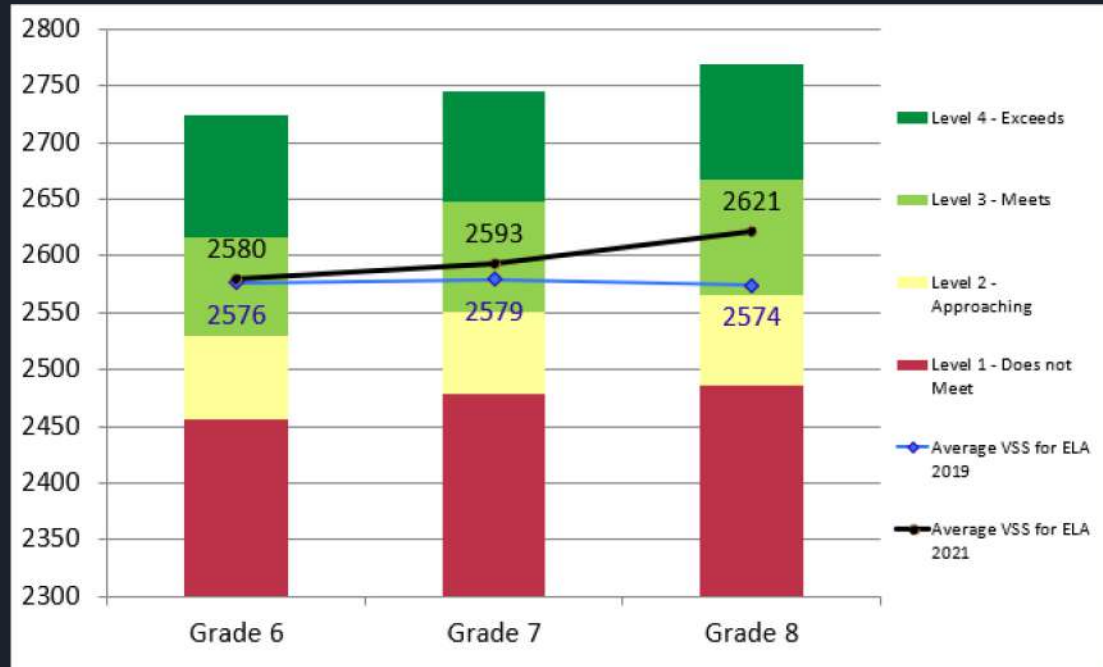
# Polson Middle School



Grades 6-8

Smarter Balanced **ELA** Assessment  
Achievement Level Ranges &  
Comparison of 2019 and 2021  
Average ELA Vertical Scale Score

SBA **English Language Arts** Average Vertical Score





# Polson Middle School



## Grades 6-8 Performance Distribution for 2019 & 2021 Administrations SBA ELA Assessment

	2019 % at/above GOAL	2021 % at/above GOAL	Growth
Grade 6	70.2%	70.1%	-
Grade 7	66.7%	70.4%	+3.7%
Grade 8	54.8%	77%	+22.2%



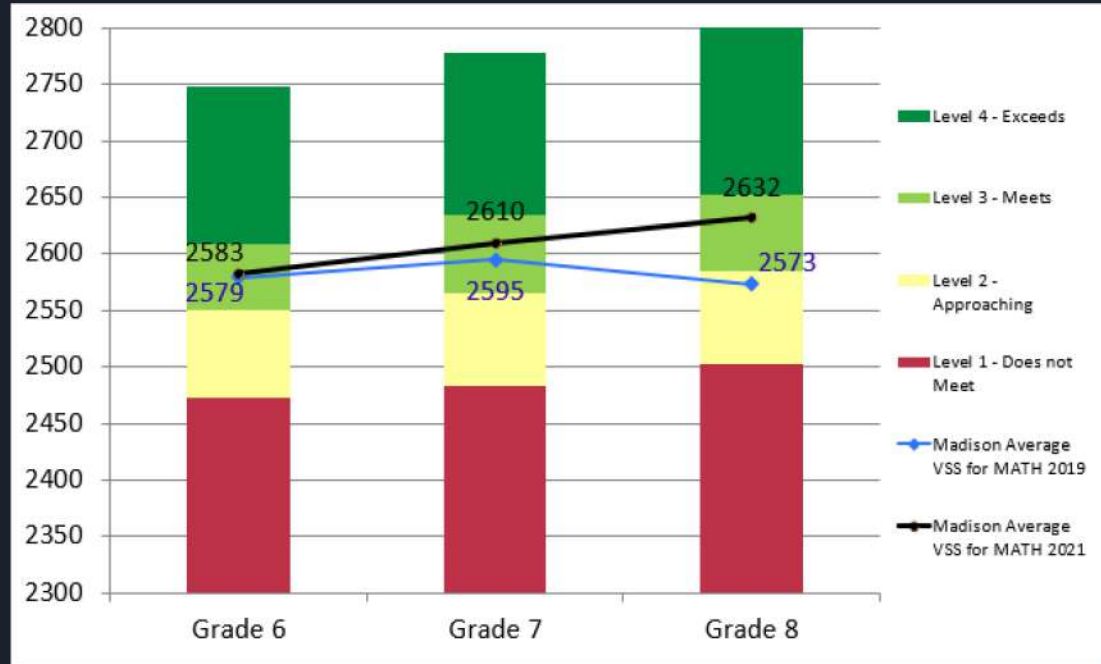
# Polson Middle School



Grades 6-8

Smarter Balanced **MATH**  
Assessment Achievement Level  
Ranges &  
Comparison of 2019 and 2021  
Average MATH Vertical Scale  
Score

SBA **Mathematics** Average Vertical Score

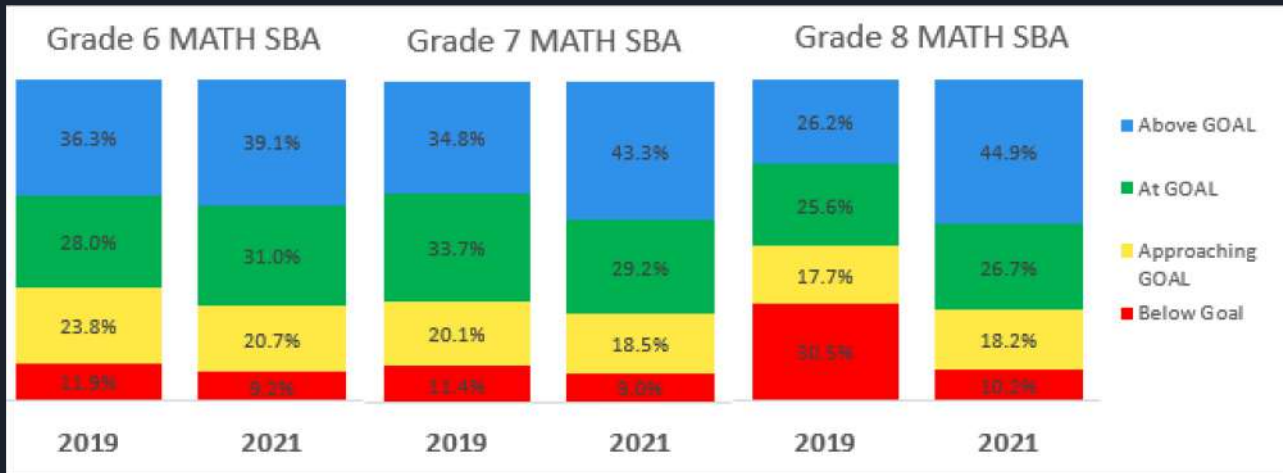


# Polson Middle School



## Grades 6-8 Performance Distribution for 2019 & 2021 Administrations SBA **MATH** Assessment

	2019 % at/above GOAL	2021 % at/above GOAL	Growth
Grade 6	64.3%	70.1%	+5.8%
Grade 7	68.5%	72.5%	+4%
Grade 8	51.8%	71.6%	+19.8%



# Polson Middle School

Grades 6-8

Madison Public Schools <i>Smarter Balanced Growth</i>	Average GROWTH Percent of Students that Reached or Exceeded their Growth Target for ALL Students <u>BY GRADE LEVEL</u>									
	2015-16	2016-17	2017-18	2018-19	2020-21	2015-16	2016-17	2017-18	2018-19	2020-21
	ELA	ELA	ELA	ELA	ELA*	MATH	MATH	MATH	MATH	MATH*
Grade 6	39.3%	32.3%	31.4%	42.4%	52.3%	22.5%	14.6%	26.8%	36.1%	60.0%
Grade 7	35.2%	25.9%	28.7%	36.3%	41.8%	59.2%	66.1%	71.2%	58.4%	62.2%
Grade 8	29.7%	27.0%	35.6%	23.3%	49.7%	45.6%	36.7%	43.8%	32.9%	44.3%

State set estimated SBA scale scores for the spring 2020 year based on prior state assessment scores, attendance, behavior, mobility, special education status, retention and demographic data. Target scores were set based on the predicted spring 2020 scale scores. CSDE maintains these estimates include a measure of uncertainty and should not be used to support any high-stakes decisions.

# Polson Middle School

Grades 6-8

		Average Percentage of Target Achieved for Students with High Needs <b>BY BUILDING</b>									
		2015-16 ELA	2016-17 ELA	2017-18 ELA	2018-19 ELA	2020-21 ELA*	2015-16 MATH	2016-17 MATH	2017-18 MATH	2018-19 MATH	2020-21 MATH*
POLSON	Grade 6					59.1%					61.2%
	Grade 7	36.6%	36.8%	38.1%	46.9%		50.8%	51.6%	73.0%	52.1%	
	Grade 8	36.6%	36.8%	38.1%	46.9%		50.8%	51.6%	73.0%	52.1%	
Indicates below State 10% threshold score		Two consecutive years of continued growth needed to exit FOCUS School Status									

# What do the results indicate in ELA?

	Listening	Reading	Writing and Research/Inquiry
Grade 6	Above- 29% Approaching- 67% Below- 4%	Above- 45% Approaching- 43% Below- 13%	Above- 45% Approaching- 44% Below- 11%
Grade 7	Above- 25% Approaching- 66% Below- 9%	Above- 42% Approaching- 45% Below- 13%	Above- 38% Approaching- 51% Below- 11%
Grade 8	Above- 36% Approaching- 59% Below- 5%	Above- 49% Approaching- 44% Below- 7%	Above- 44% Approaching- 47% Below- 10%

# What do the results indicate in Math?

	<b>Communicating Reasoning</b>	<b>Concepts and Procedures</b>	<b>Problem Solving/ Modeling &amp; Data Analysis</b>
<b>Grade 6</b>	Above- 35% Approaching- 49% Below- 16%	Above- 48% Approaching- 38% Below- 14%	Above- 42% Approaching- 44% Below- 14%
<b>Grade 7</b>	Above- 37% Approaching- 53% Below- 10%	Above- 58% Approaching- 28% Below- 14%	Above- 45% Approaching- 44% Below- 11%
<b>Grade 8</b>	Above- 45% Approaching- 46% Below- 9%	Above- 52% Approaching- 33% Below- 15%	Above- 48% Approaching- 45% Below- 6%



Brown School



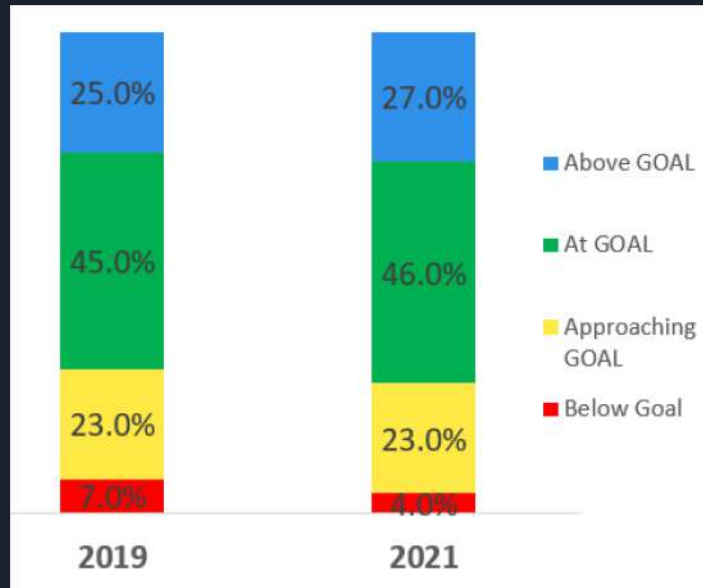
# Dr. Brown Intermediate School



Grade 5

NGSS Summative Assessment

2019 Results Comparison to *Preliminary* 2021 Results



2019 % at/above GOAL	2021 % at/above GOAL
70%	73%

**+ 3% between  
administrations of  
students at or above goal**

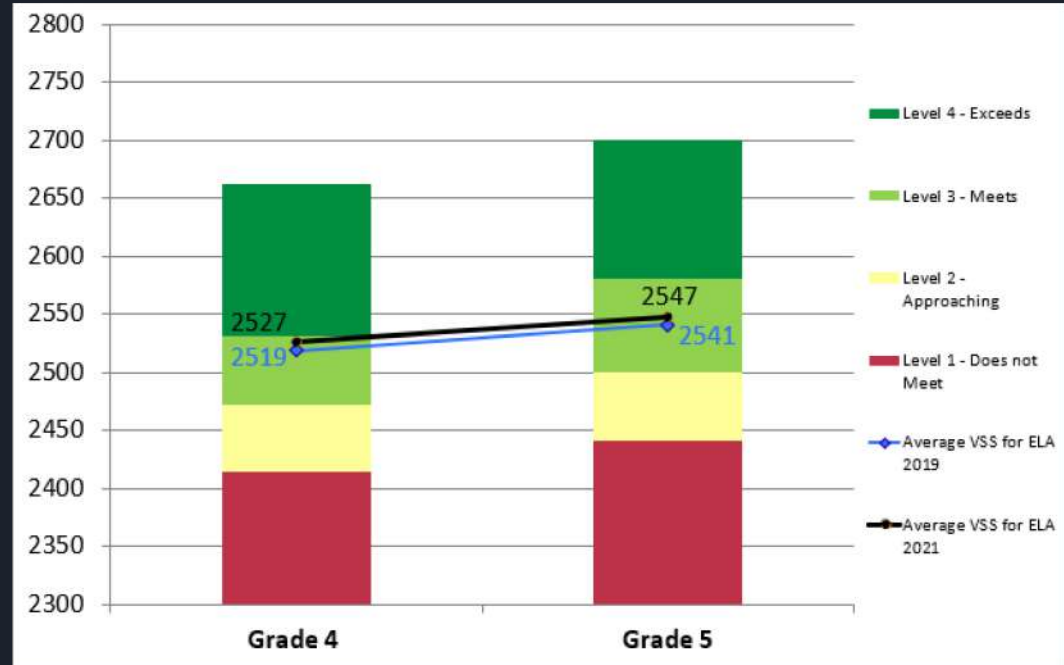
# Dr. Brown Intermediate School



Grades 4-5

Smarter Balanced **ELA** Assessment  
Achievement Level Ranges &  
Comparison of 2019 and 2021  
Average ELA Vertical Scale Score

SBA **English Language Arts** Average Vertical Score



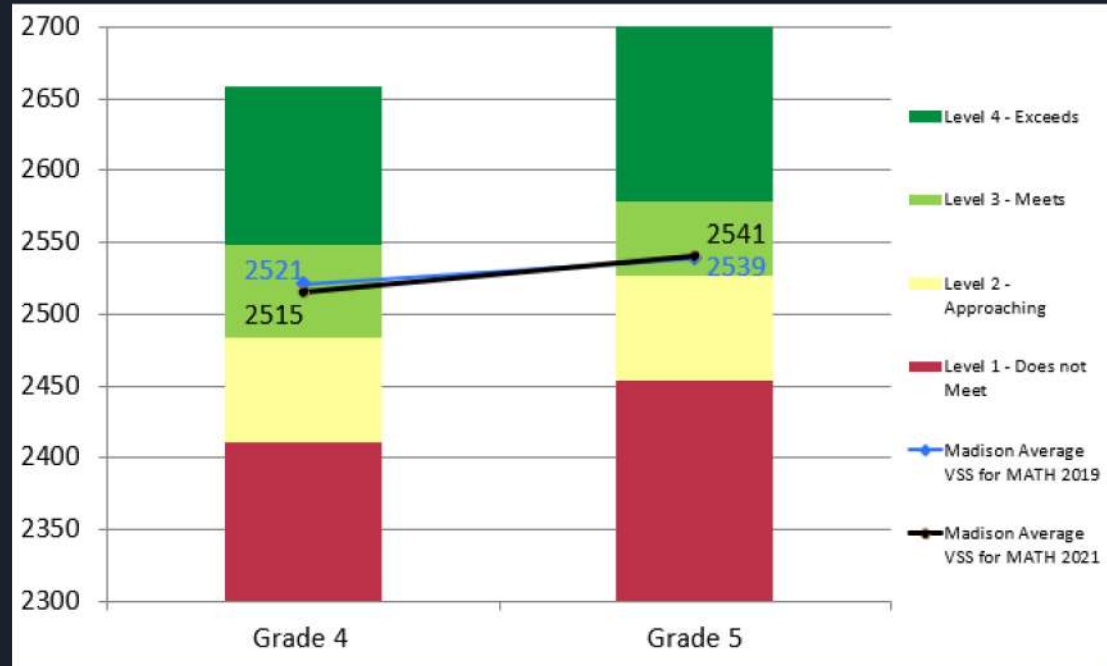
# Dr. Brown Intermediate School



Grades 4-5

Smarter Balanced **MATH**  
Assessment Achievement Level  
Ranges &  
Comparison of 2019 and 2021  
Average MATH Vertical Scale  
Score

SBA **Mathematics** Average Vertical Score



# Dr. Brown Intermediate School



## Grade 4 & Grade 5 Performance Distribution for 2019 & 2021 Administrations SBA **ELA** Assessment

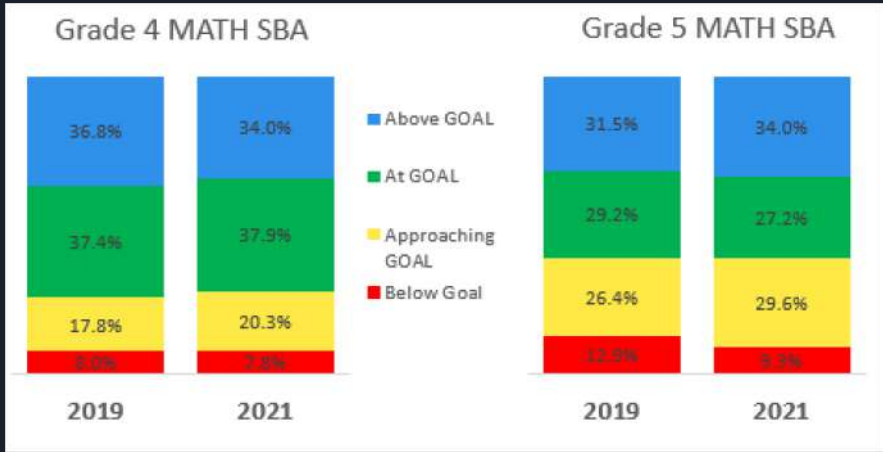


	2019 % at/above GOAL	2021 % at/above GOAL	Growth
Grade 4	73.6%	78.5%	+4.9%
Grade 5	68.9%	75.4%	+6.5%

# Dr. Brown Intermediate School



## Grade 4 & Grade 5 Performance Distribution for 2019 & 2020 Administrations SBA **MATH** Assessment



	2019 % at/above GOAL	2021 % at/above GOAL	Growth
Grade 4	74.2%	71.9%	-2.3%
Grade 5	60.7%	61.2%	+0.5%

# Brown School

# Grades 4-5

<b>Madison Public Schools</b> <i>Smarter Balanced Growth</i>	<b>Average GROWTH</b> <b>Percent of Students that Reached or Exceeded their Growth Target</b> <b>for ALL Students <u>BY GRADE LEVEL</u></b>									
	2015-16	2016-17	2017-18	2018-19	2020-21	2015-16	2016-17	2017-18	2018-19	2020-21
	ELA	ELA	ELA	ELA	ELA*	MATH	MATH	MATH	MATH	MATH*
Grade 4	52.9%	49.1%	43.1%	56.7%	41.0%	44.7%	55.5%	48.5%	58.7%	24.5%
Grade 5	31.8%	33.5%	35.6%	35.5%	44.3%	28.2%	39.1%	37.7%	37.6%	40.9%

State set estimated SBA scores for the spring 2020 year based on prior state assessment scores, Kindergarten Entrance Inventory (GR4 only), attendance, behavior, mobility, special education status, retention and demographic data. Target scores were set based on the predicted spring 2020 scale scores. CSDE maintains these estimates include a measure of uncertainty and should not be used to support any high-stakes decisions. The model used to predict Grade 4 has the highest degree of uncertainty, since no prior SBA score was factored in.

# Brown School

# Grades 4-5

		Average Percentage of Target Achieved for Students with High Needs <b>BY BUILDING</b>									
		2015-16 ELA	2016-17 ELA	2017-18 ELA	2018-19 ELA	2020-21 ELA*	2015-16 MATH	2016-17 MATH	2017-18 MATH	2018-19 MATH	2020-21 MATH*
BROWN	Grade 4					61.2%					54.1%
	Grade 5	48.9%	45.5%	40.0%	48.4%		36.4%	37.7%	46.2%	48.6%	
	Grade 6										
Indicates below State 10% threshold score		Two consecutive years of continued growth needed to exit FOCUS School Status									

# What do the results indicate in ELA?

	Listening	Reading	Writing and Research/Inquiry
Grade 4	Above- 37% Approaching- 57% Below- 7%	Above- 42% Approaching- 50% Below- 8%	Above- 50% Approaching- 41% Below- 8%
Grade 5	Above- 33% Approaching- 59% Below- 8%	Above- 41% Approaching- 47% Below- 12%	Above- 40% Approaching- 45% Below- 15%



## What do the results indicate in Mathematics?

	Communicating Reasoning	Concepts and Procedures	Problem Solving/ Modeling/ Data Analysis
Grade 4	Above- 44% Approaching- 45% Below- 10%	Above- 48% Approaching- 35% Below- 18%	Above- 39% Approaching- 50% Below- 11%
Grade 5	Above- 30% Approaching- 58% Below- 12%	Above- 44% Approaching- 31% Below- 24%	Above- 33% Approaching- 49% Below- 17%



# Ryerson and Jeffrey Schools

# Ryerson and Jeffrey Elementary Schools

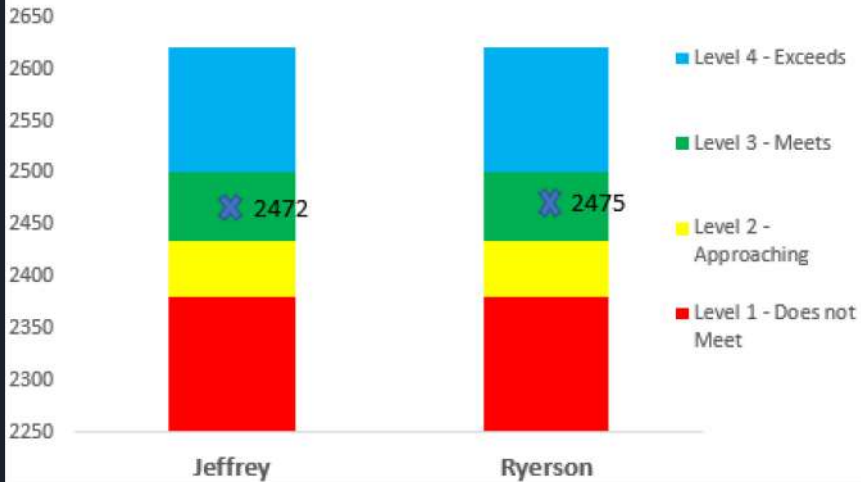
Grade 3

Smarter Balanced **ELA** & **MATH**

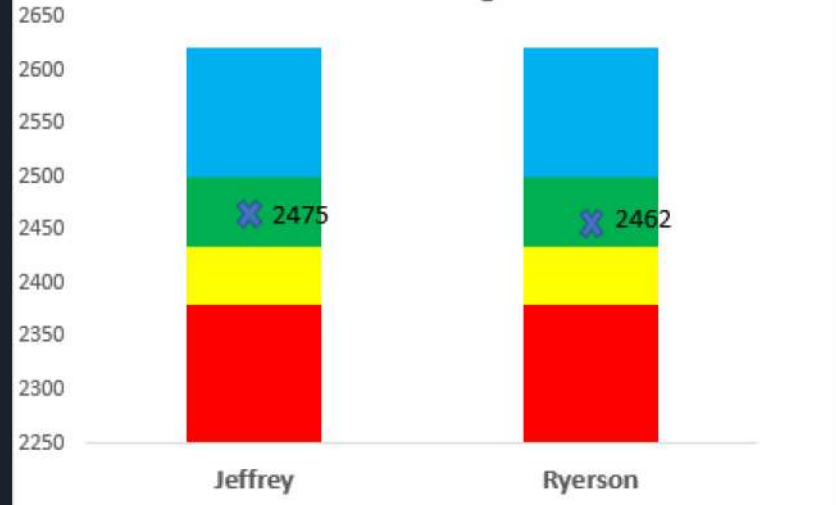
Assessment Achievement Level Ranges &  
2021 Average Vertical Scale Score



Grade 3 ELA Average Vertical Scale Score



Grade 3 MATH Average Vertical Scale Score





## Overall ELA

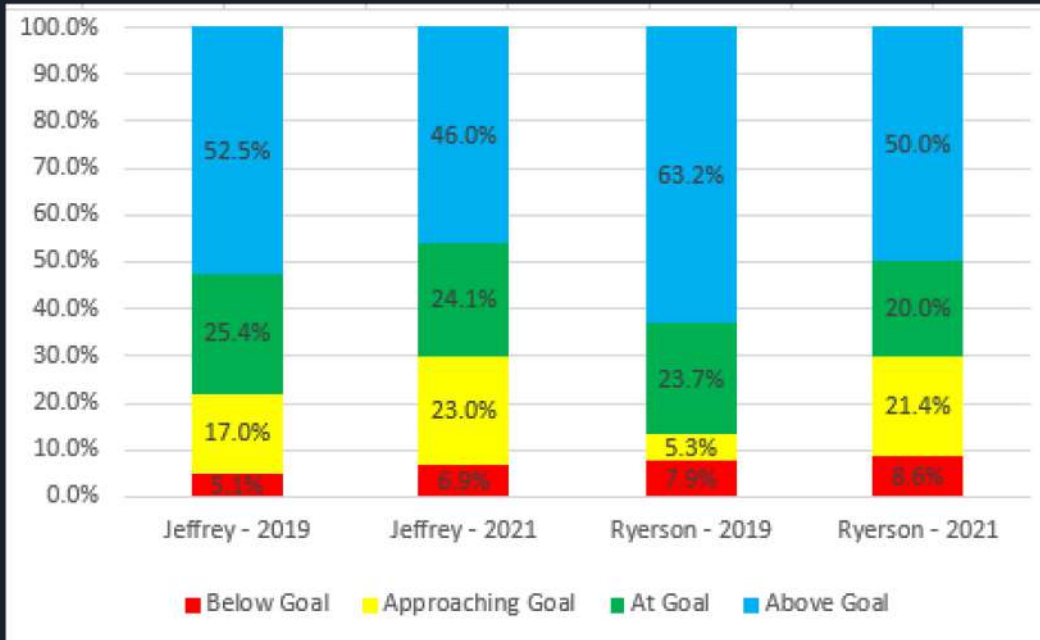
### Summative Performance:

**70%** scored AT or ABOVE  
**PROFICIENT**

# Ryerson and Jeffrey Elementary Schools

Grade 3 Performance Distribution  
for 2019 & 2021 Administrations

SBA **ELA** Assessment









GRADE 3 ELA	2019 % at/above GOAL	2021 % at/above GOAL	Growth
Jeffrey Elementary –	78.0%	70.1%	
Ryerson Elementary –	86.8%	70.0%	
Island Elementary	81.8%		
<b>DISTRICT Grade 3 Average</b>	<b>82%</b>	<b>70%</b>	<b>-12%</b>

# SBA ELA

	GRADE 3					
	LISTENING		READING		WRITING AND RESEARCH/INQUIRY	
Above Standard	54	34%	73	46%	67	43%
Approaching Standard	94	60%	71	45%	65	41%
Below Standard	9	6%	13	8%	25	16%

 Below Standard  Approaching Standard  Above Standard			
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	<b>Listening</b>	<b>Reading</b>	<b>Writing and Research/Inquiry</b>
<b>Jeffrey</b>	Above- 36% Approaching- 60% Below- 5%	Above- 46% Approaching- 47% Below- 7%	Above- 41% Approaching- 40% Below- 18%
<b>Ryerson</b>	Above- 33% Approaching- 60% Below- 7%	Above- 47% Approaching- 43% Below- 10%	Above- 44% Approaching- 43% Below- 13%



## Overall Math

### Summative Performance:

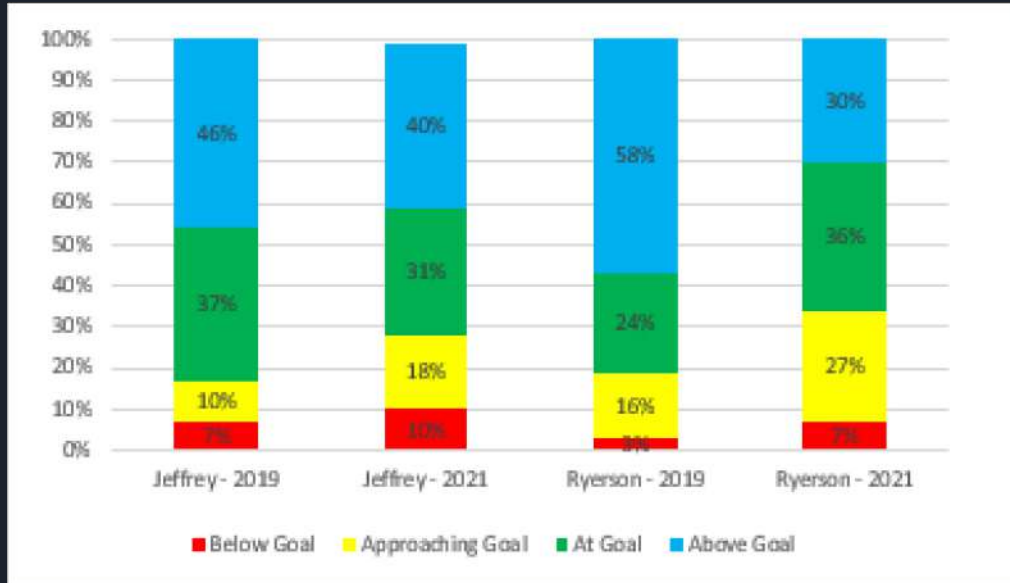
**68%** scored AT or ABOVE  
PROFICIENT



# Ryerson and Jeffrey Elementary Schools

Grade 3 Performance Distribution  
for 2019 & 2021 Administrations

SBA **MATH** Assessment





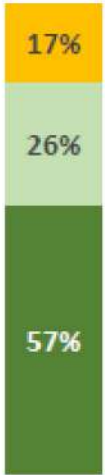



GRADE 3 MATH	2019 % at/above GOAL	2021 % at/above GOAL	Growth
Jeffrey Elementary –	83%	71%	
Ryerson Elementary –	82%	66%	
Island Elementary	86%		
<b>DISTRICT Grade 3 Average</b>	<b>84%</b>	<b>68%</b>	<b>-16%</b>

# SBA Math

	GRADE 3					
	COMMUNICATING REASONING		CONCEPTS AND PROCEDURES		PROBLEM SOLVING AND MODELING & DATA ANALYSIS	
Above Standard	70	45%	90	57%	67	43%
Approaching Standard	67	43%	41	26%	75	48%
Below Standard	20	13%	26	17%	15	10%

 Below Standard  Approaching Standard  Above Standard			
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	<b>Communicating Reasoning</b>	<b>Concepts and Procedures</b>	<b>Problem Solving and Modeling and Data Analysis</b>
<b>Jeffrey</b>	<b>Above- 48%</b> <b>Approaching- 38%</b> <b>Below- 14%</b>	<b>Above- 63%</b> <b>Approaching- 20%</b> <b>Below-17%</b>	<b>Above- 48%</b> <b>Approaching- 44%</b> <b>Below- 8%</b>
<b>Ryerson</b>	<b>Above- 40%</b> <b>Approaching- 49%</b> <b>Below-11%</b>	<b>Above- 50%</b> <b>Approaching- 34%</b> <b>Below-16%</b>	<b>Above- 36%</b> <b>Approaching-53%</b> <b>Below-11%</b>

Questions? Comments?

