



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 |



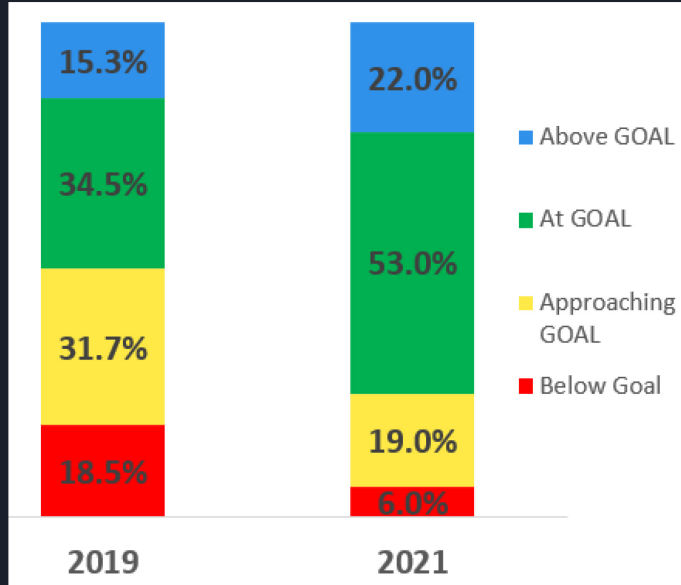
Daniel Hand High School Results

Daniel Hand High School

Grade 11

NGSS Summative Assessment

2019 Results Comparison to 2021 Results

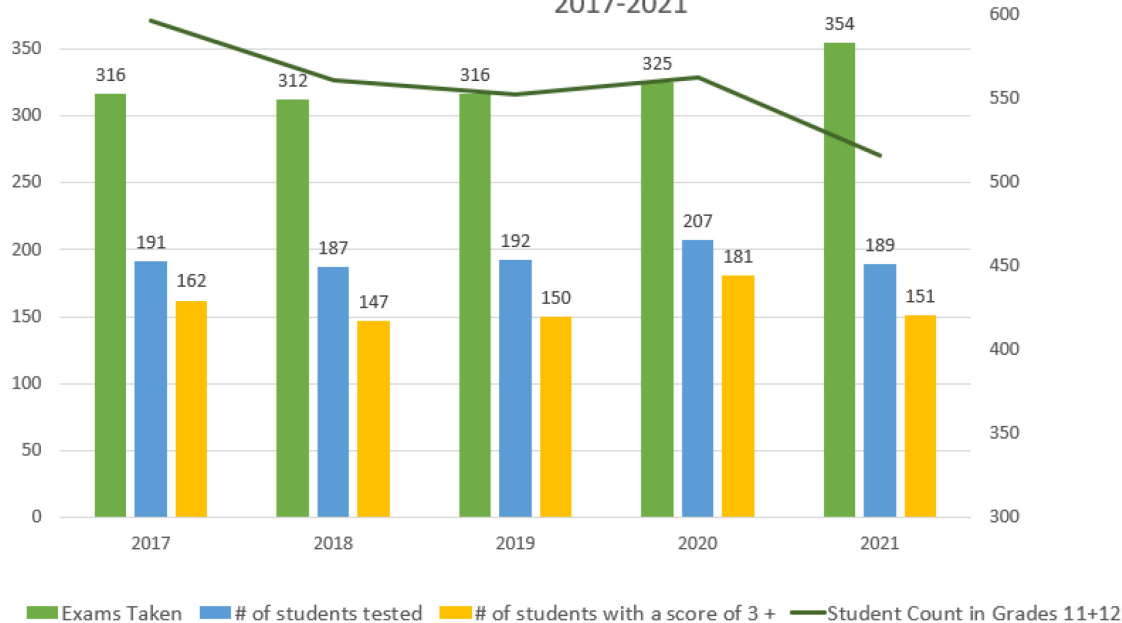


| 2019 % at/above GOAL | 2021 % at/above GOAL |
|----------------------------|----------------------------|
| 50% | 75% |

+ 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

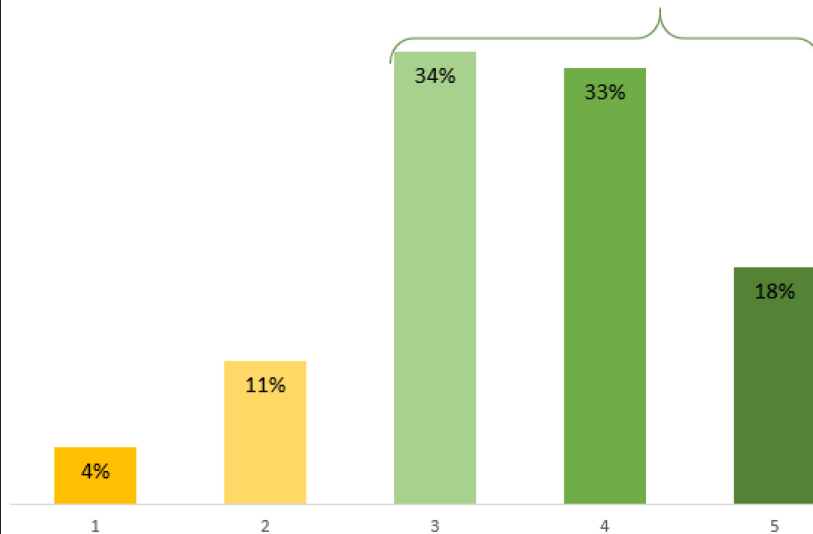
- ❖ Increase student participation in the AP experience.
- ❖ Explore increasing # of AP course offerings

TRENDS in AP SCORES



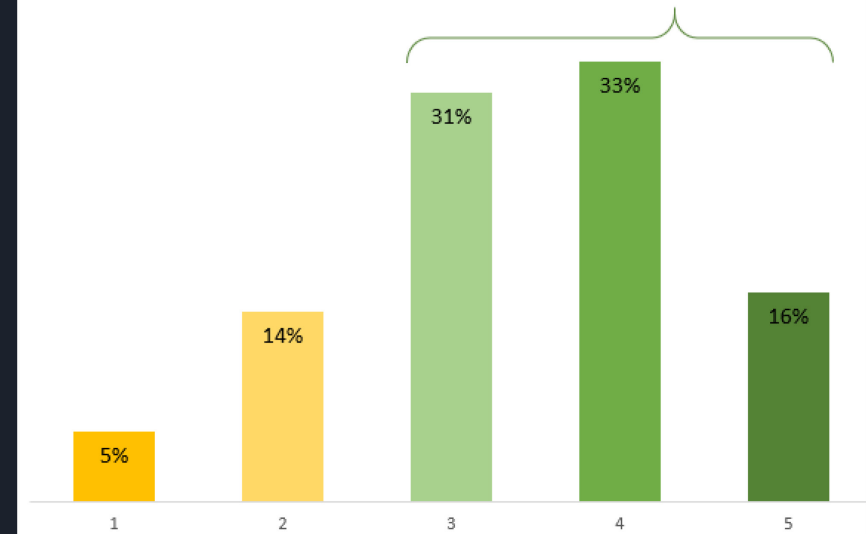
2020 AP Exam Results

85% scored at 3 or above

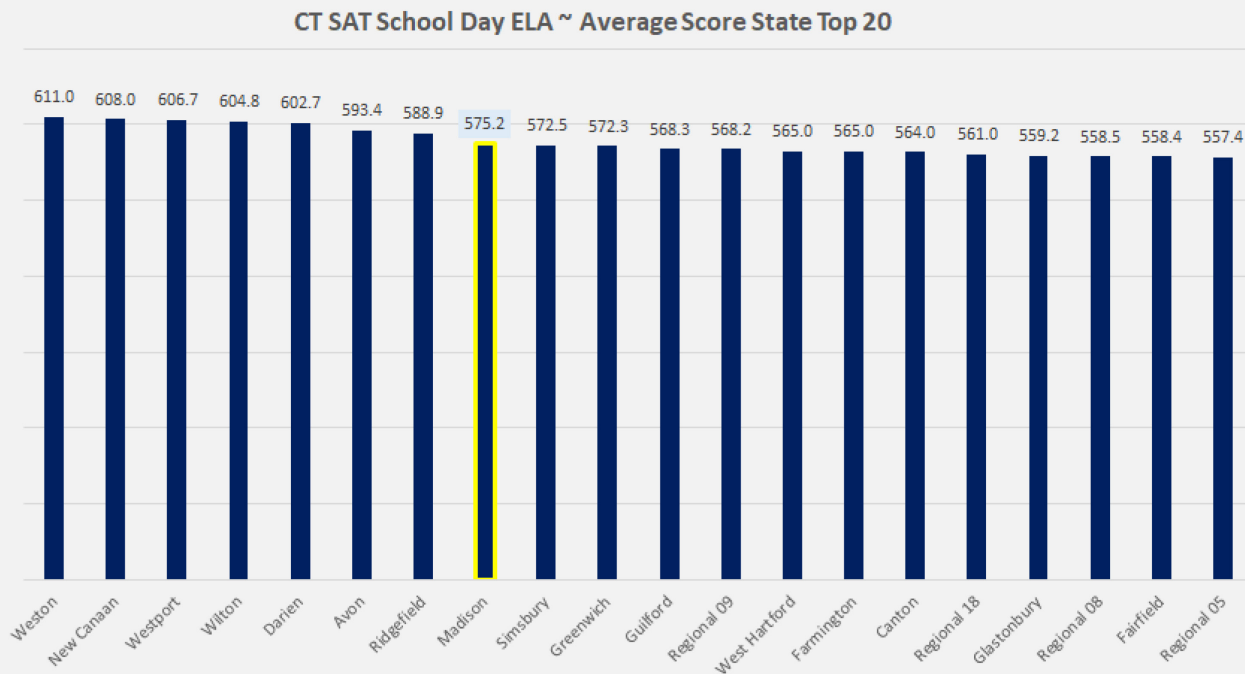


2021 AP Exam Results

80% scored at 3 or above



SAT State Ranking: ELA



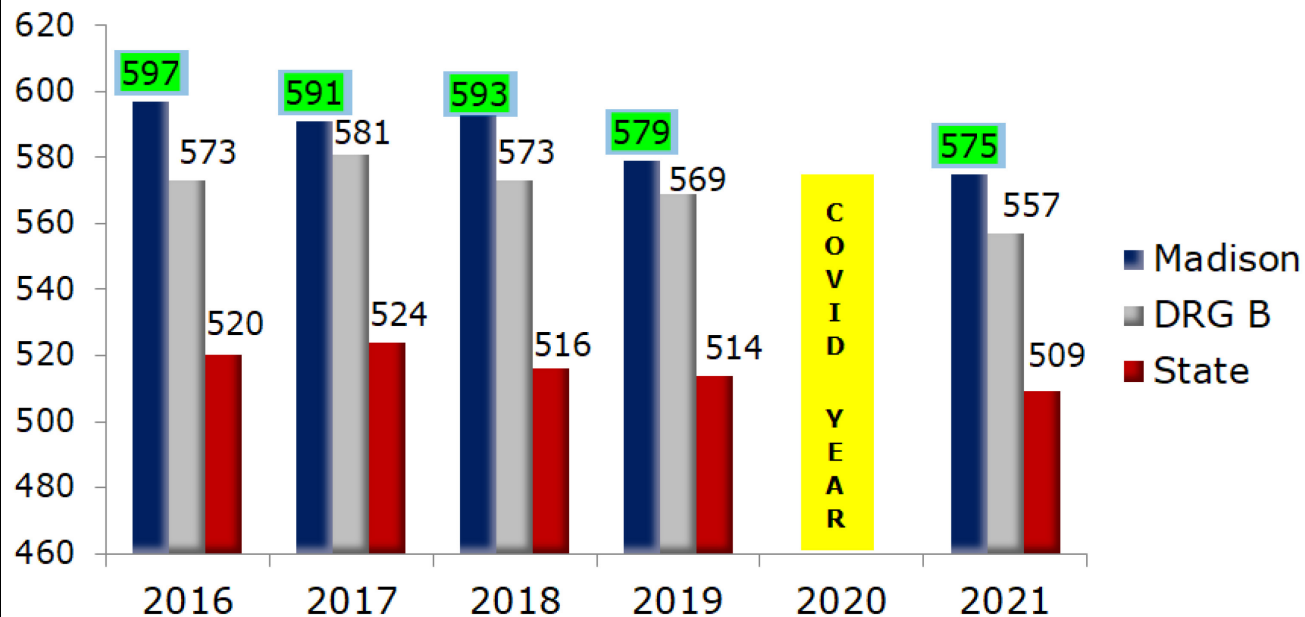
Not all test takers scores represented, as State suppressed student scores for learning models with less than 20 students.



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

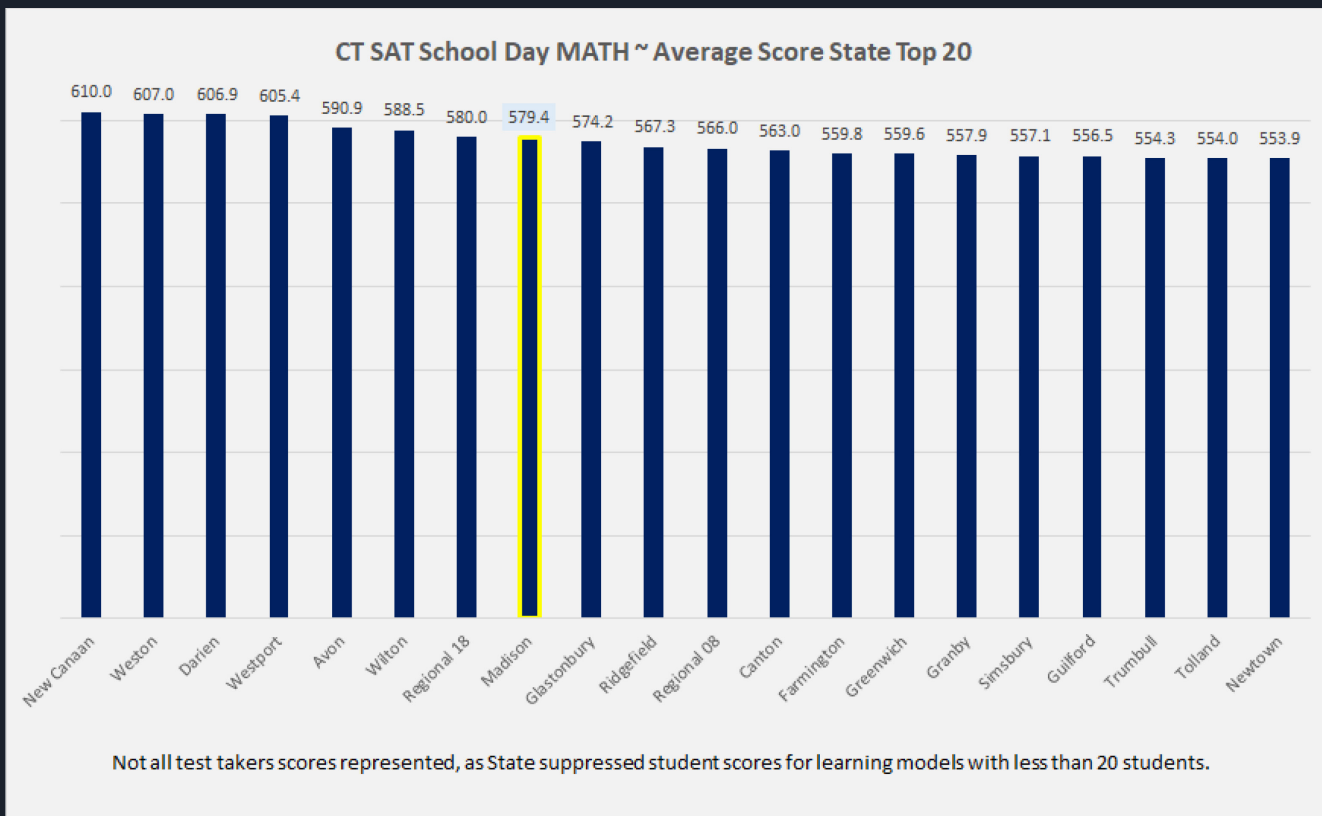
English Language Arts

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

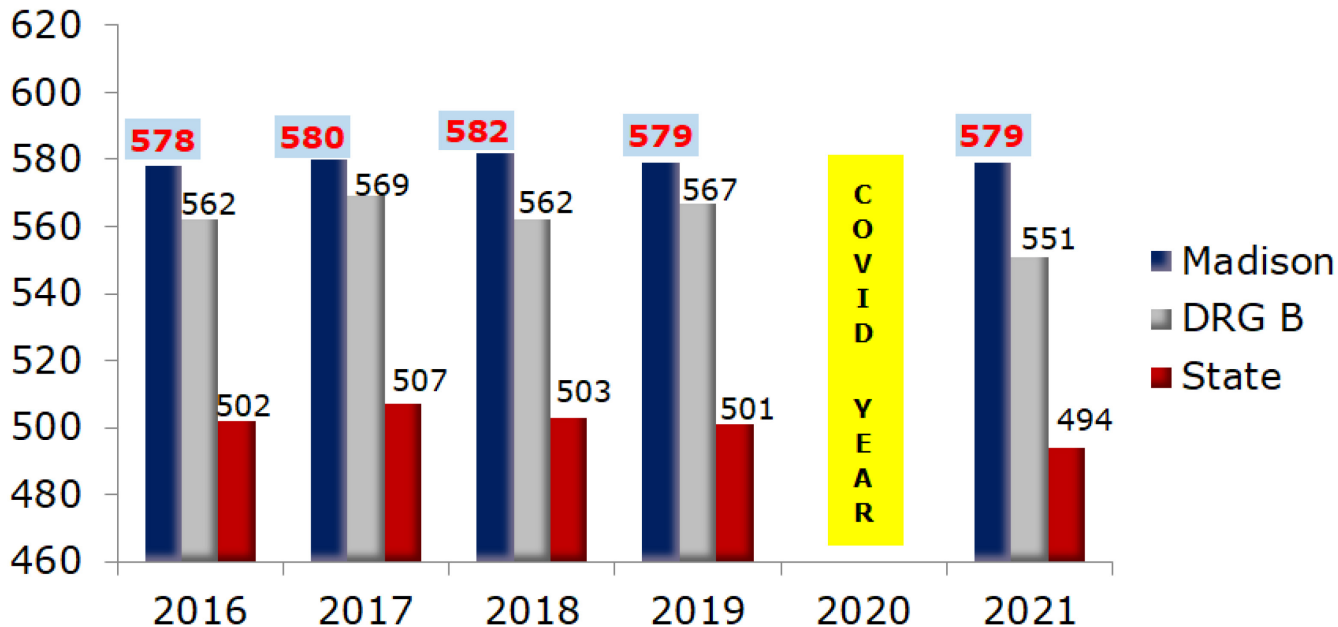




Spring 2016-2017-2018-2019-2021 CT SAT Day

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 | |
|---|-----------------|---|-----------------|
| <u>Words in Context</u> Ability to interpret words and phrases in context | 23/216 (11%) | <u>Passport to Advanced Math</u> Analyzing, manipulating, and rewriting expressions, interpreting and building functions and reasoning with complex equations | 31/216 (14%) |
| <u>Expression of Ideas</u> Ability to revise multi-paragraph texts | 20/216 (9%) | <u>Heart of Algebra</u> 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

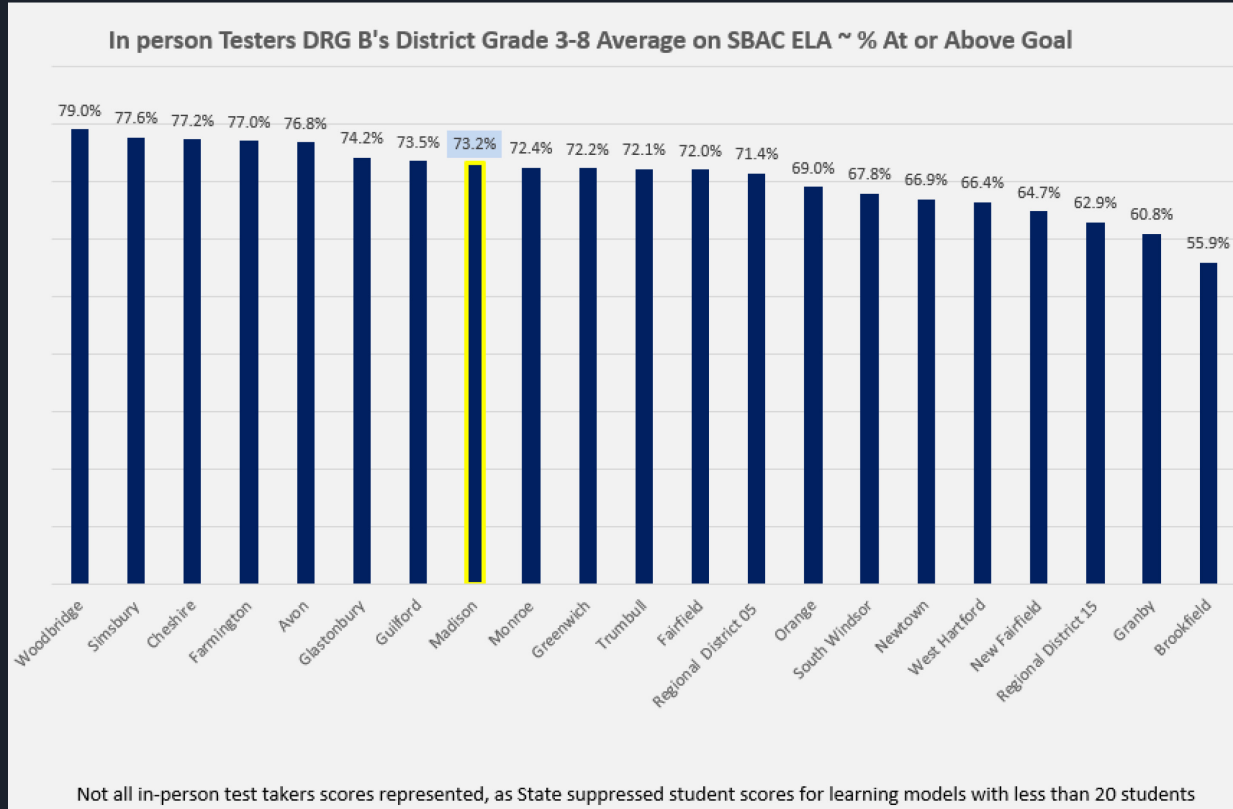
English Language Art

| 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

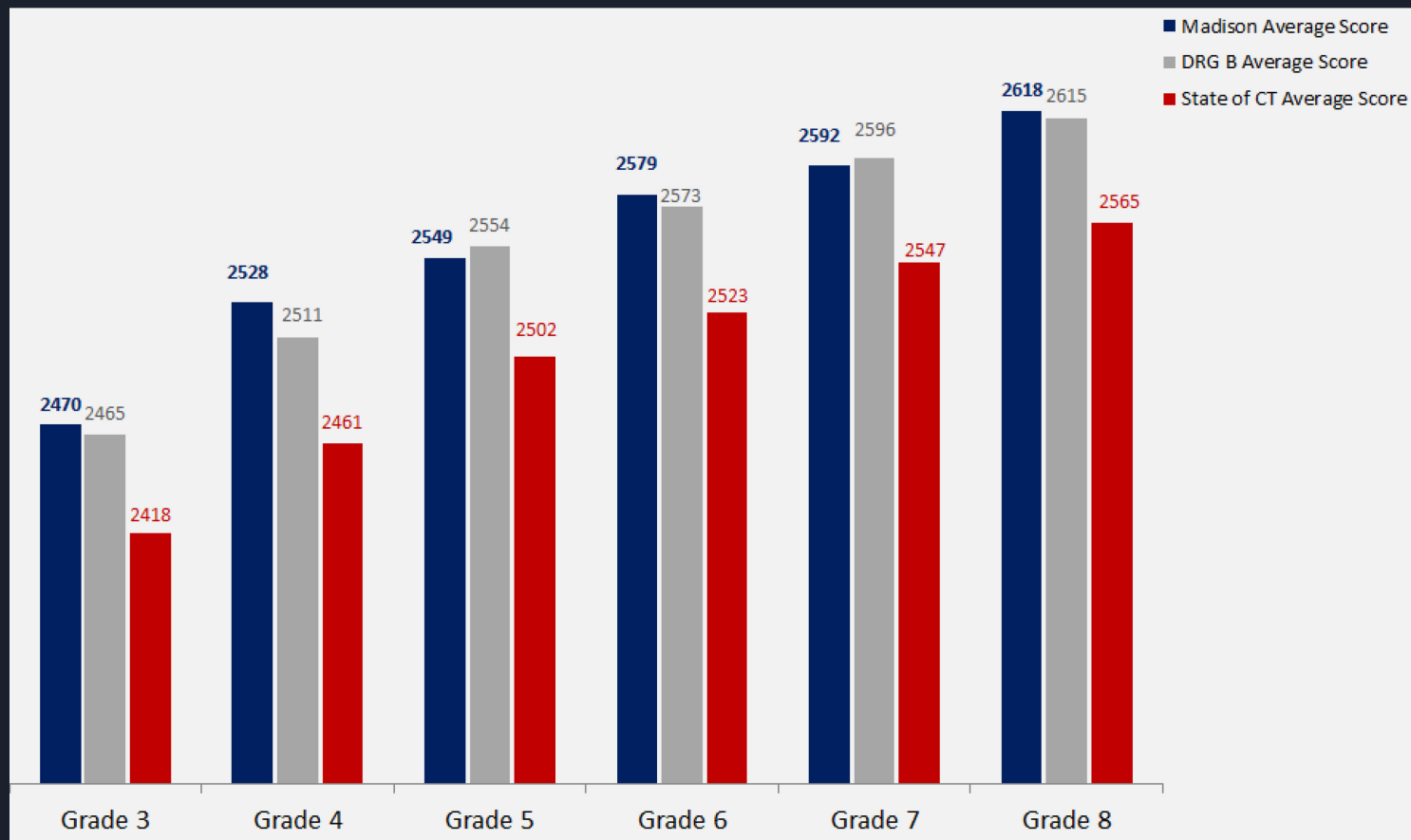
| Percent at Level 3 or Above | | | |
|-----------------------------|-----------|-----------|------|
| | 2018-2019 | 2020-2021 | |
| Grade 3 | 84% | 68% | -16% |
| Grade 4 | 74% | 72% | -2% |
| Grade 5 | 61% | 61% | 0 |
| Grade 6 | 64% | 70% | +6% |
| Grade 7 | 68% | 72% | +4% |
| Grade 8 | 52% | 72%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

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



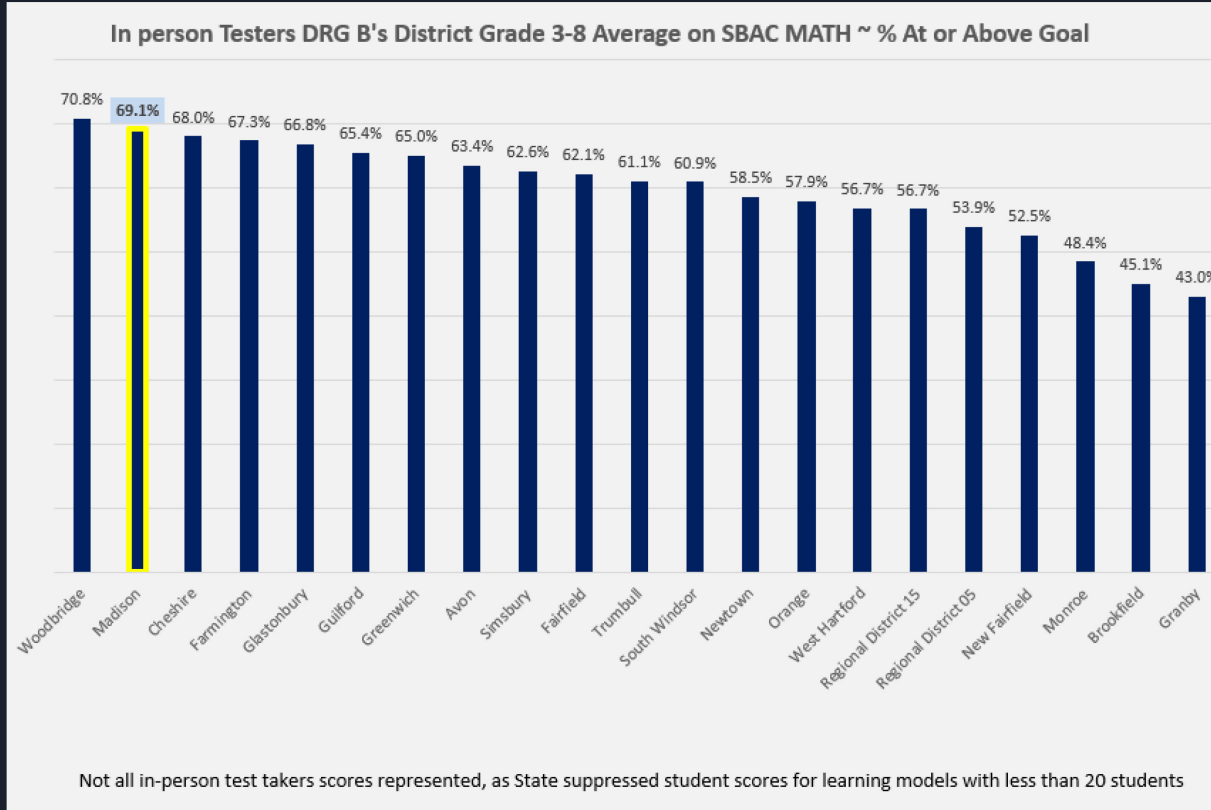
Spring 2021 SBA English Language Arts Vertical Scores Averages

Madison, DRG B & State of CT



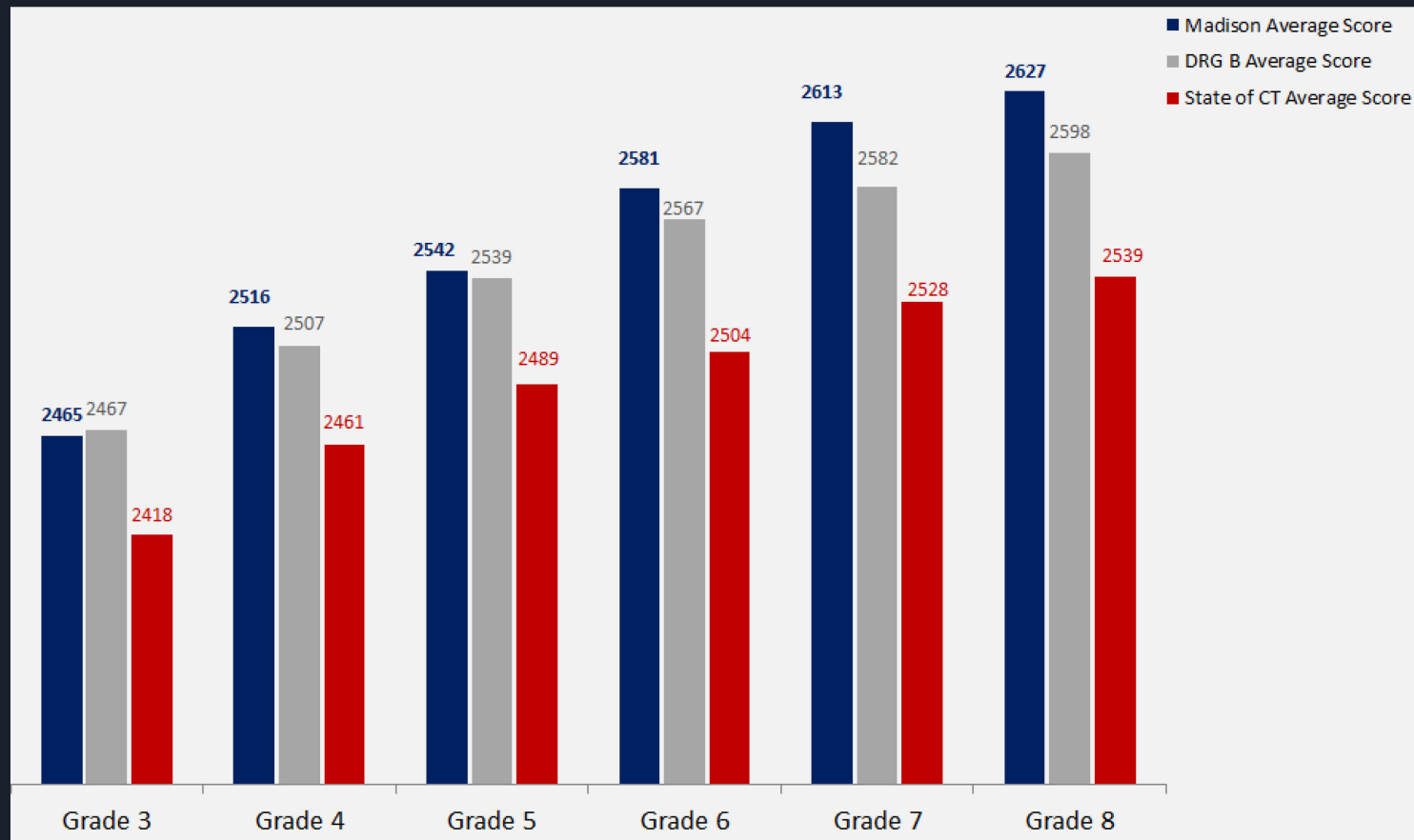
ALL GRADES COMBINED - SBA MATH (3-8)

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

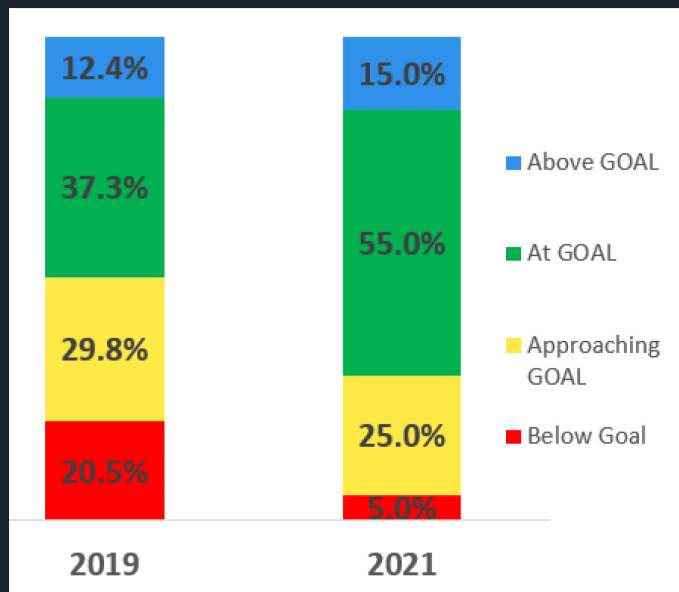
Grade 8

NGSS Summative Assessment

2019 Results Comparison to *Preliminary* 2021 Results



**WPM
MS**



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

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

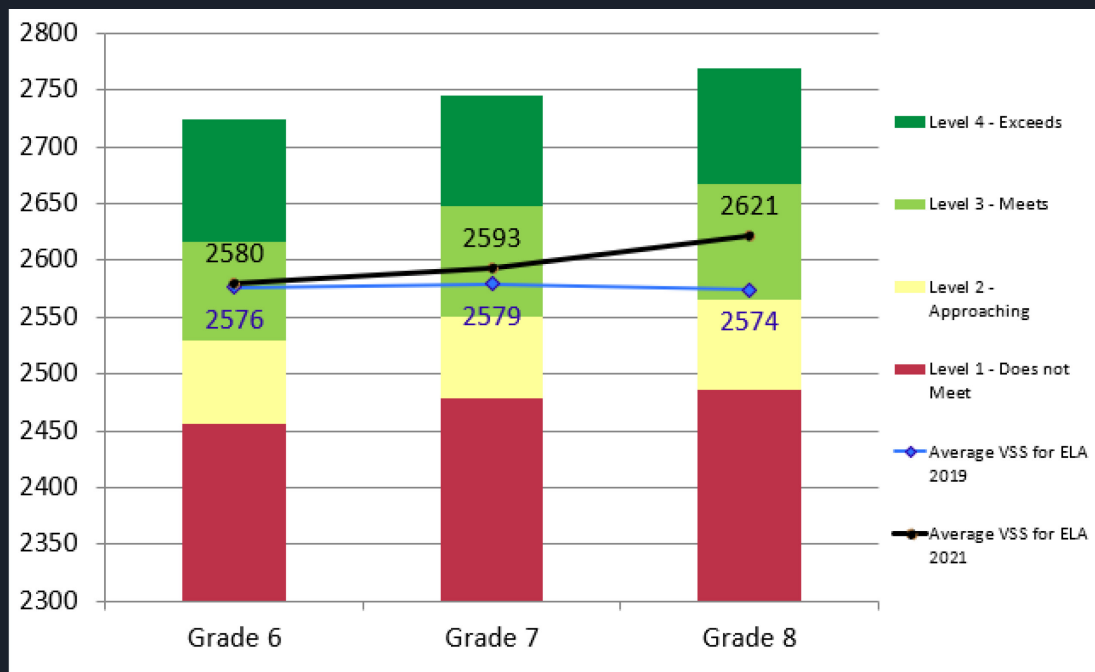
Polson Middle School



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 Scale

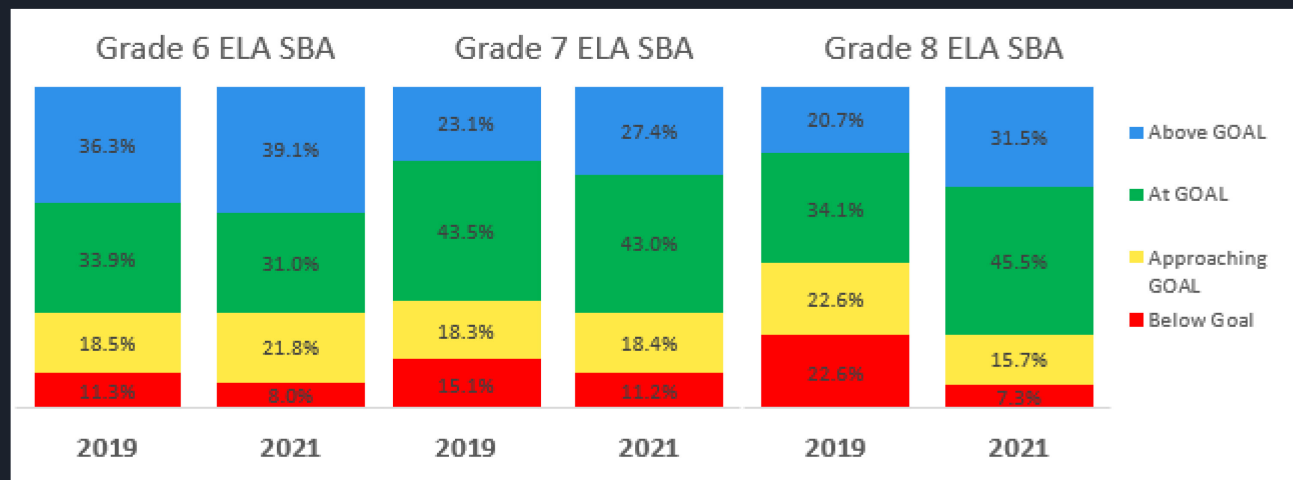


Polson Middle School



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% |



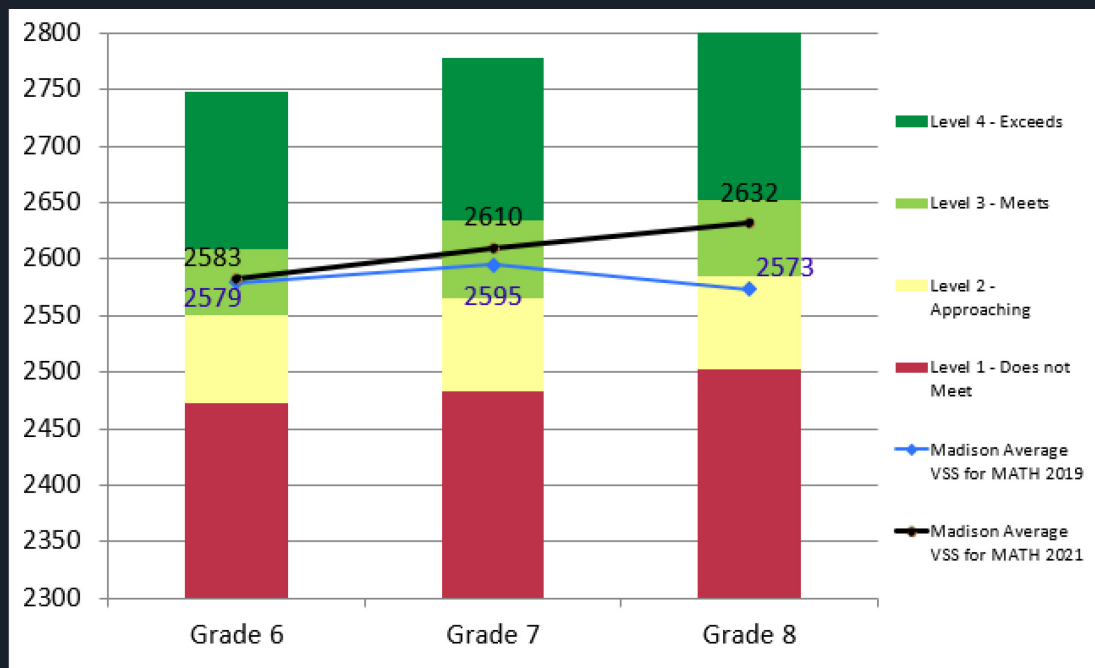
Polson Middle School



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



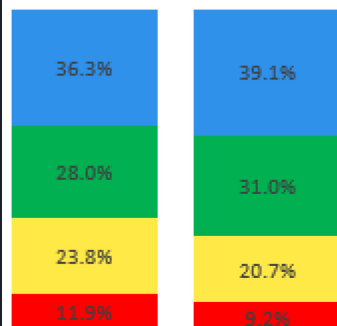
Polson Middle School



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% |

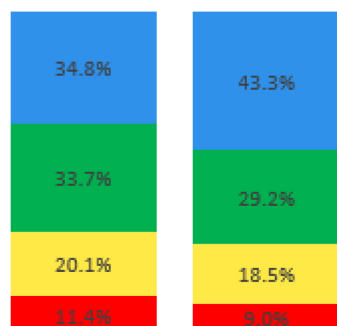
Grade 6 MATH SBA



2019

2021

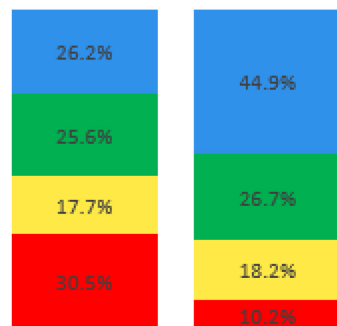
Grade 7 MATH SBA



2019

2021

Grade 8 MATH SBA



2019

2021

■ Above GOAL

■ At GOAL

■ Approaching
GOAL

■ Below Goal

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 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* |
| | Grade 6 | Grade 7 | Grade 8 | Grade 6 | Grade 7 | Grade 8 | Grade 6 | Grade 7 | Grade 8 | Grade 6 |
| 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.

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?

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



Brown School

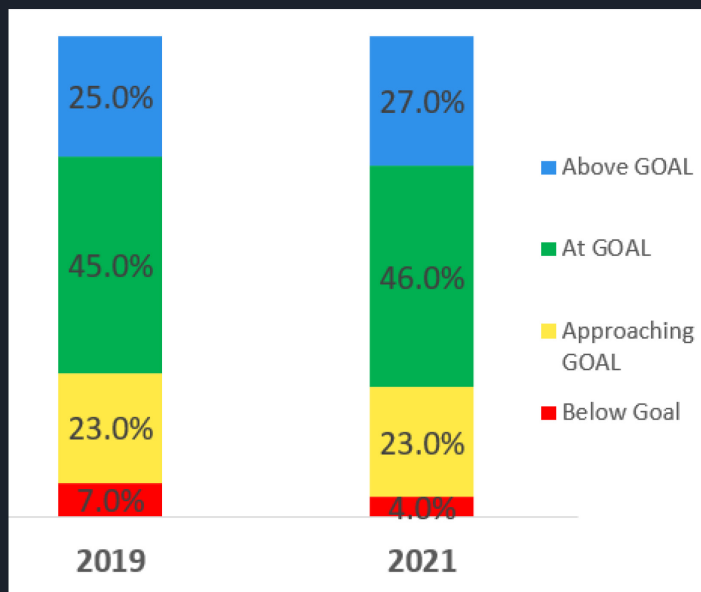
Dr. Brown Intermediate School



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

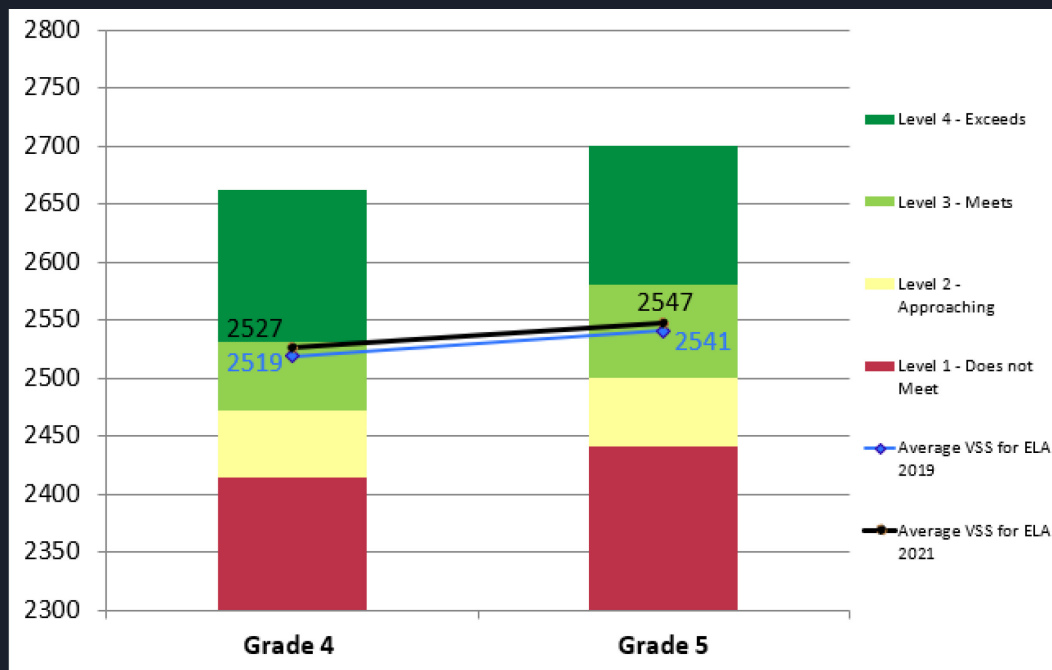
Dr. Brown Intermediate School



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

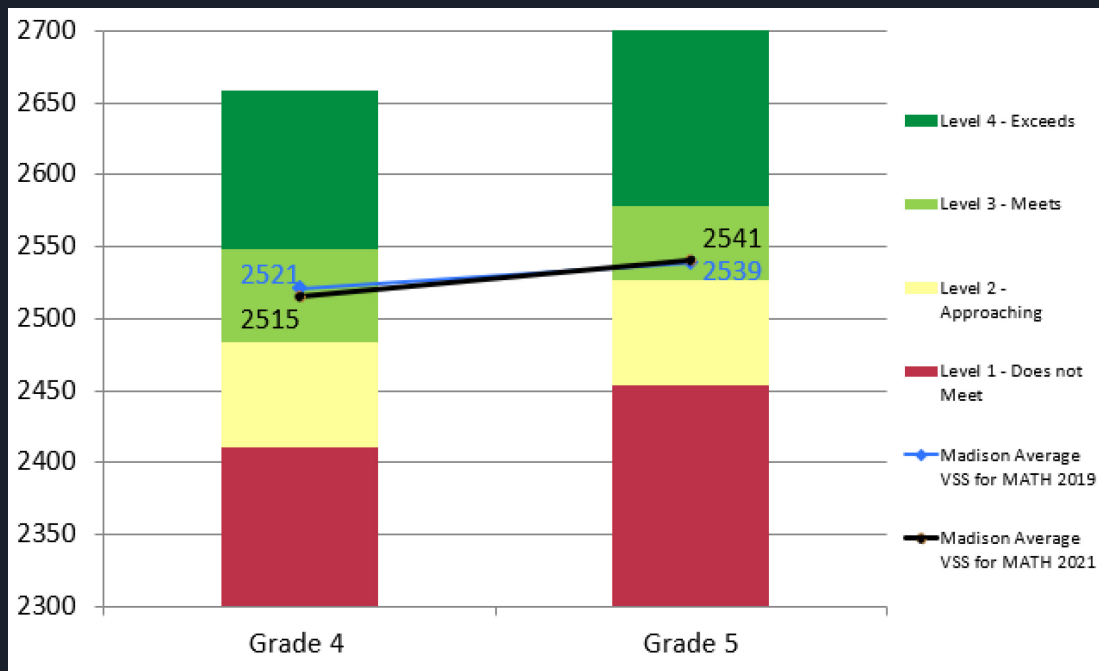


Dr. Brown Intermediate School



Grades 4-5
Smarter Balanced **MATH**
Assessment Achievement Level
Ranges &
Comparison of 2019 and 2021
Average MATH Vertical Scale
Score

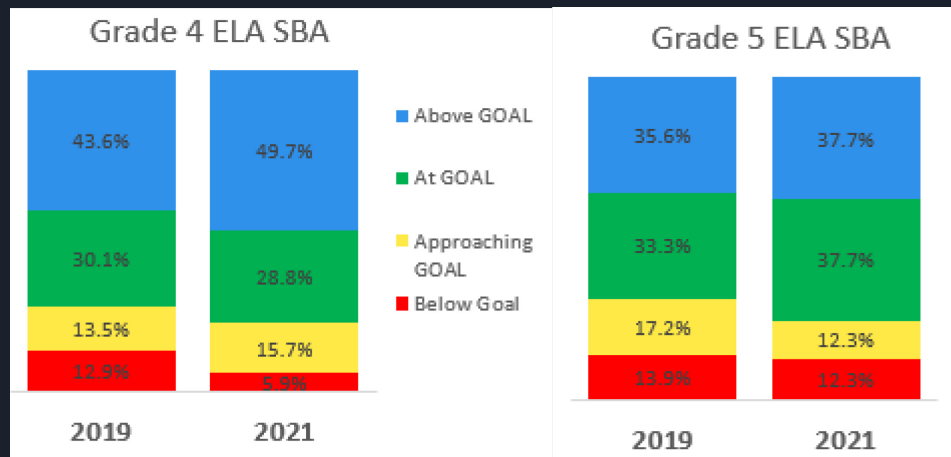
SBA **Mathematics** Average Vertical Score



Dr. Brown Intermediate School



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



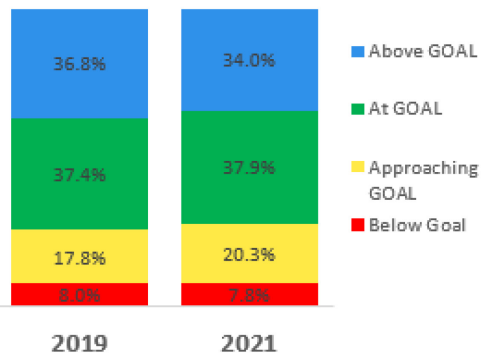
| | 2019 % at/above GOAL | 2021 % at/above GOAL | Growth |
|---------|----------------------------|----------------------------|--------|
| Grade 4 | 73.6% | 78.5% | +4.9% |
| Grade 5 | 68.9% | 75.4% | +6.5% |

Dr. Brown Intermediate School

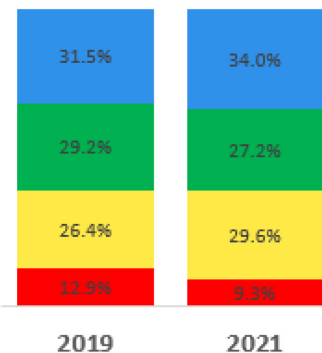


Grade 4 & Grade 5 Performance Distribution for 2019 & 2020 Administrations SBA **MATH** Assessment

Grade 4 MATH SBA



Grade 5 MATH SBA



| | 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

| 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 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* |
| 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

| | | Average Percentage of Target Achieved for Students with High Needs BY BUILDING | | | | | | | | | |
|---|---------|--|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| | | 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

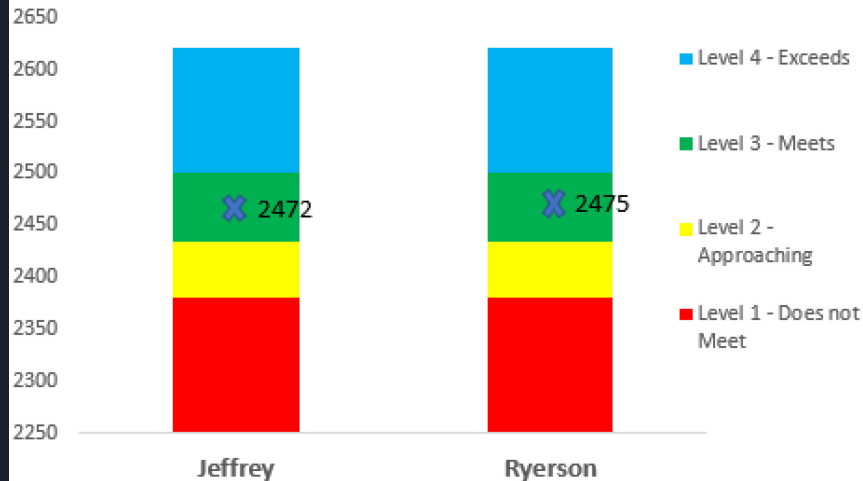
Grade 3

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

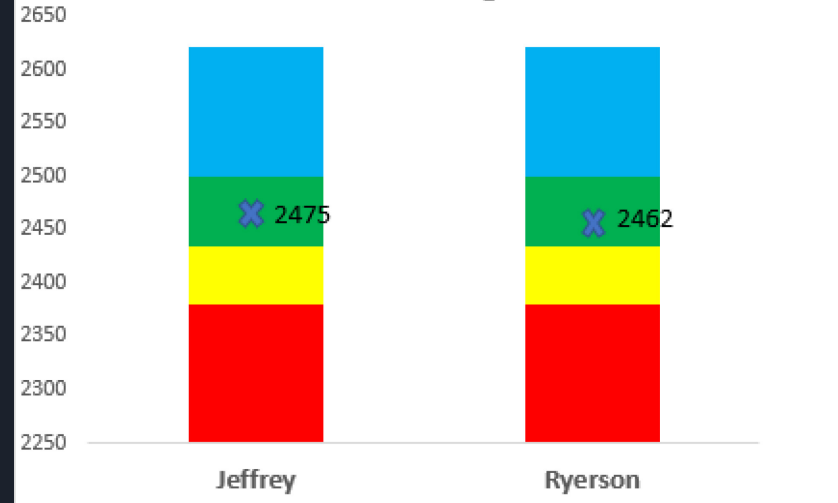
Assessment Achievement Level Ranges &
2021 Average Vertical Scale Score



Grade 3 ELA Average Vertical Scale Score



Grade 3 MATH Average Vertical Scale Score





Overall ELA

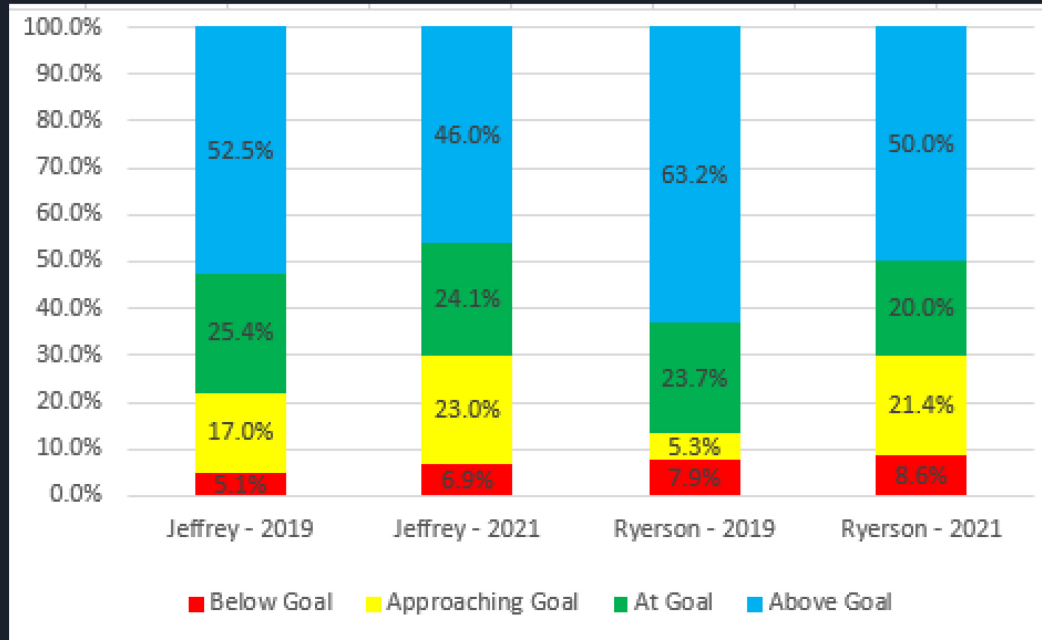
Summative Performance:

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% | | |
| DISTRICT Grade 3 Average | 82% | 70% | -12% |

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 |  | |  | |  | |

Grade 3

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

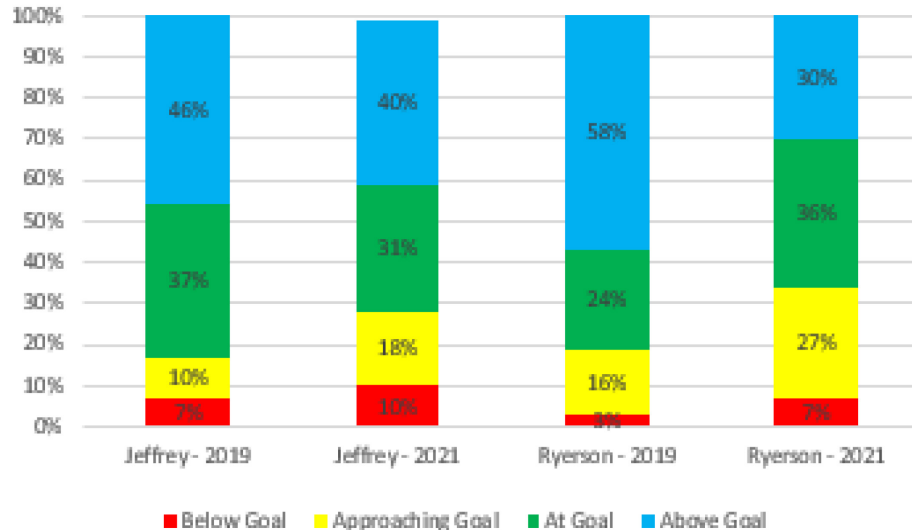


Overall Math
Summative Performance:
68% scored AT or ABOVE
PROFICIENT

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% | | |
| DISTRICT Grade 3 Average | 84% | 68% | -16% |

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% |
| <div>Below Standard</div> <div>Approaching Standard</div> <div>Above Standard</div> |  | |  | |  | |

Grade 3

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

Questions? Comments?

