Academic Report for School Year 2023-2024

September 17, 2024

Madison Board of Education

Participation Rate History
for ALL & High Needs Students by Building

		2019		2021		2022		2023		2024	
		All Students	High Needs Students	All Students	High Needs Students	All Students	High Needs Students	All Students	High Needs Students	All Students	High Needs Students
DHHS	CT SAT DAY	99.6%	97.6%	93.0%	72.0%	98.2%	97.8%	99.5%	97.1%	99.5	100.0%
	NGSS (GR 11)	99.6%	97.6%	91.3%	83.3%	96.3%	97.3%	97.6%	97.0%	97.4	96.7 %
Polson	SBA-ELA	83.1%	89.3%	96.9%	93.8%	98.0%	96.0%	99.6%	97.7%	99.6	98.8%
	SBA-MATH	82.7%	88.0%	96.4%	90.7%	98.0%	96.0%	99.6%	97.7%	99.6	98.8 %
	NGSS (GR 8)	74.5%	85.4%	94.1%	77.8%	97.4%	97.1%	100.0%	100.0%	98.9	95.0%
Brown	SBA-ELA	93.3%	85.1%	98.4%	96.7%	99.0%	97.1%	100.0%	100.0%	99.7	98.5%
	SBA-MATH	92.8%	85.1%	98.4%	96.7%	99.0%	97.1%	100.0%	100.0%	99.7	98.5%
	NGSS (GR 5)	93.7%	91.9%	100.0%	100.0%	98.8%	94.1%	99.5%	97.4%	99.4	96.8%
Ryerson	SBA-ELA	96.2%	91.7%	98.6%	94.4%	100.0%	100.0%	98.8%	100.0%	98.8	100.0%
	SBA-MATH	96.2%	91.7%	98.6%	94.4%	100.0%	100.0%	98.8%	100.0%	98.8	100.0%
Jeffrey	SBA-ELA	99.3%	100.0%	98.9%	100.0%	99.0%	100.0%	100.0%	100.0%	100	100.0%
	SBA-MATH	99.3%	100.0%	98.9%	100.0%	99.0%	100.0%	100.0%	100.0%	100	100.0%

Group participation rate is below 95%

Daniel Hand High School

Grades 11-12 2018-2024 AP Exam Participation & Score Detail
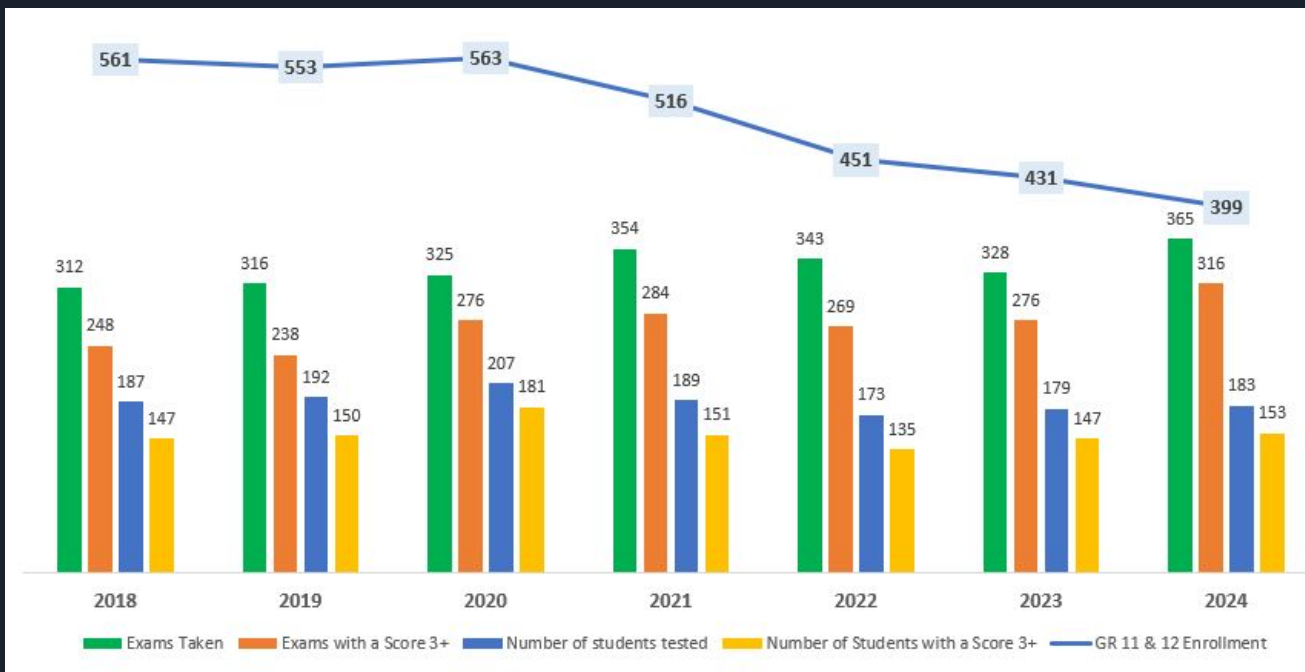
Reflection

- In 2024 - 16 teachers offered AP extra help sessions
- Survey results indicated that students who attended these sessions, found it very helpful
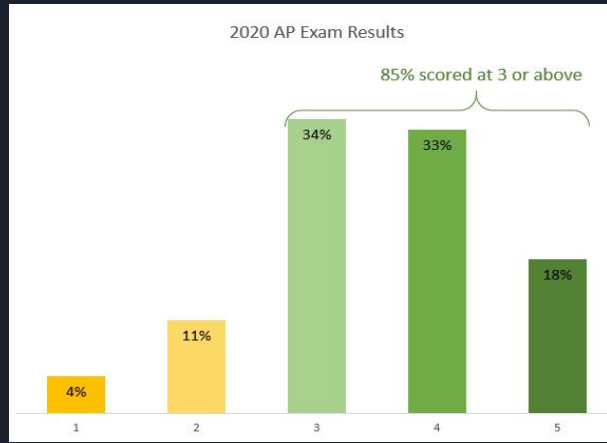- Extra sessions allowed focus on the curriculum during class time and test prep during the extra help sessions

Action Plan

- Encourage increased student participation in AP classes, extra help sessions and AP testing
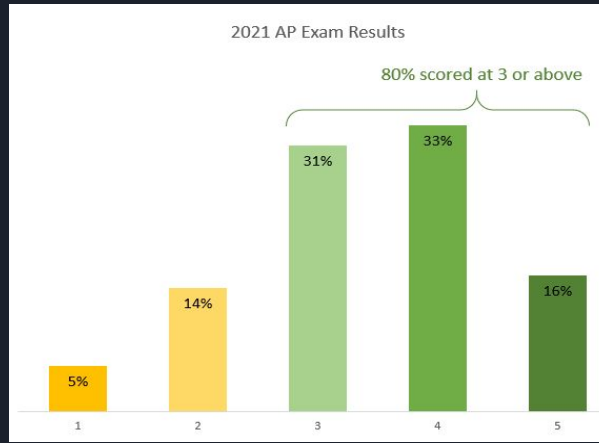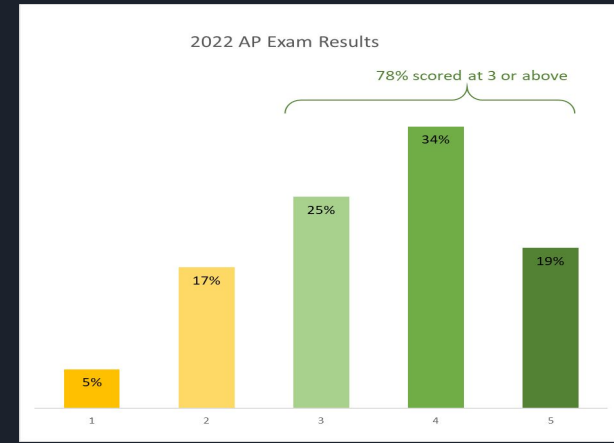- Continue to offer AP extra help sessions for all courses

TRENDS in AP SCORES

2020 AP Exam Results — 85% scored at 3 or above
1: 4%, 2: 11%, 3: 34%, 4: 33%, 5: 18%

2021 AP Exam Results — 80% scored at 3 or above
1: 5%, 2: 14%, 3: 31%, 4: 33%, 5: 16%

2022 AP Exam Results — 78% scored at 3 or above
1: 5%, 2: 17%, 3: 25%, 4: 34%, 5: 19%

2023 AP Exam Results — 84% scored at 3 or above
1: 3%, 2: 13%, 3: 29%, 4: 30%, 5: 24%

2024 AP Exam Results — 86% scored at 3 or above
1: 2%, 2: 12%, 3: 21%, 4: 40%, 5: 25%
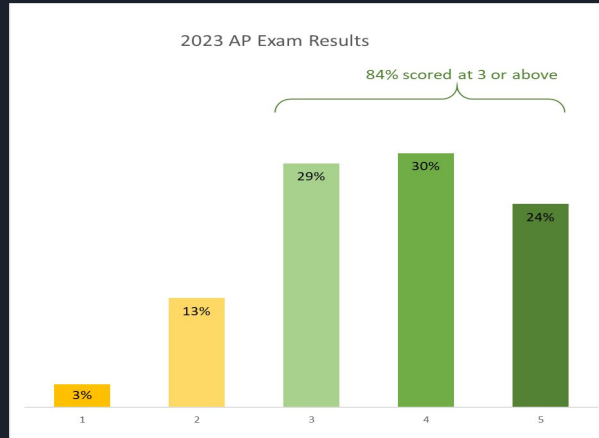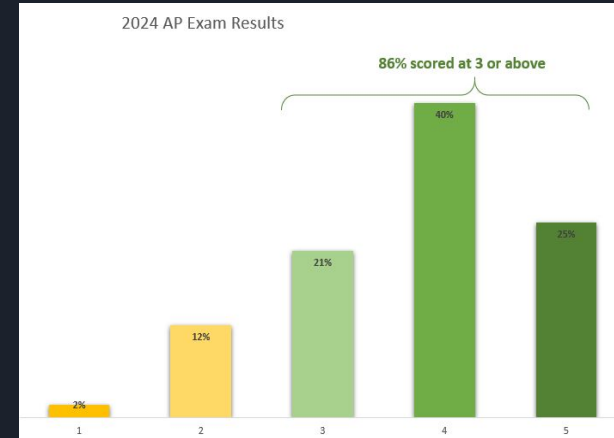
Daniel Hand High School

CT SAT DAY DRG B Ranking: Evidenced Based Reading & Writing
by district average score

District	Score
Greenwich	578
Avon	575
Simsbury	574
Madison	569
Farmington	568
Glastonbury	566
Fairfield	565
Granby	562
Guilford	561
West Hartford	555
Cheshire	553
Regional 05	553
Newtown	548
South Windsor	545
Trumbull	545
Regional 15	540
Brookfield	534
Monroe	532
New Fairfield	528
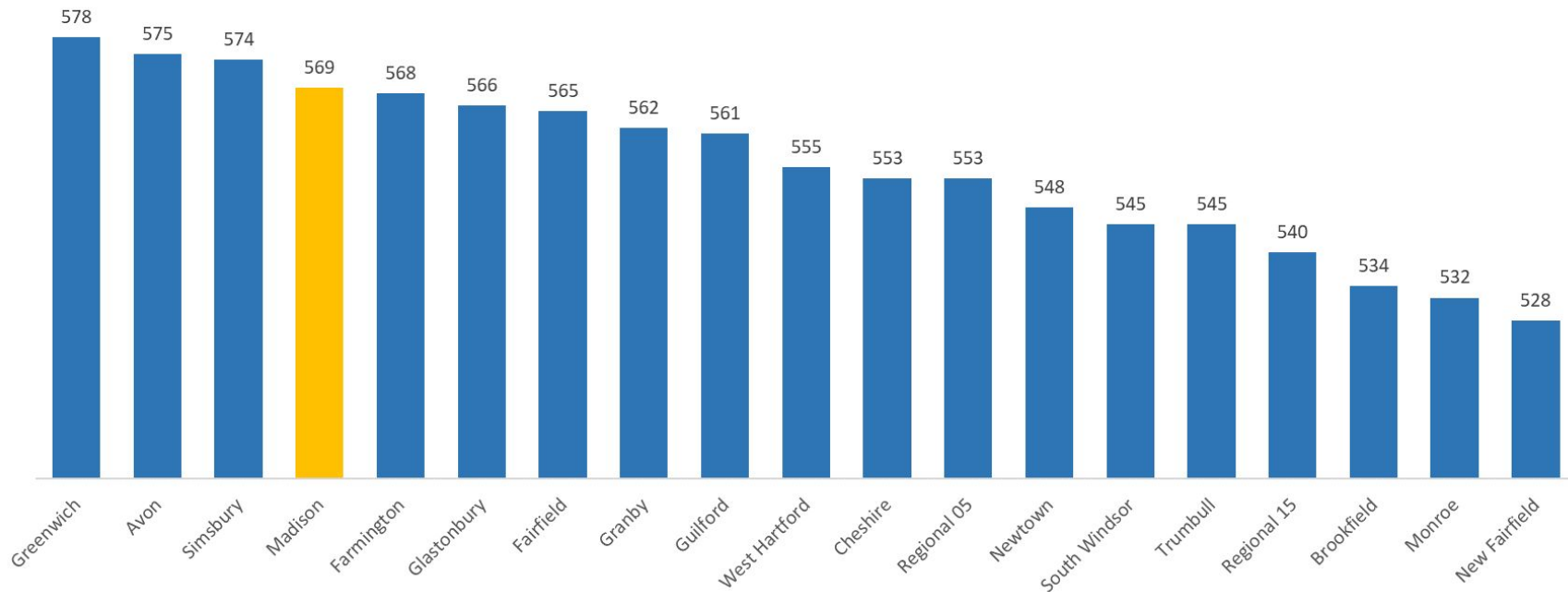
Daniel Hand High School

CT SAT DAY Average Score Comparison: English Language Arts
Madison, DRG B and the State of CT
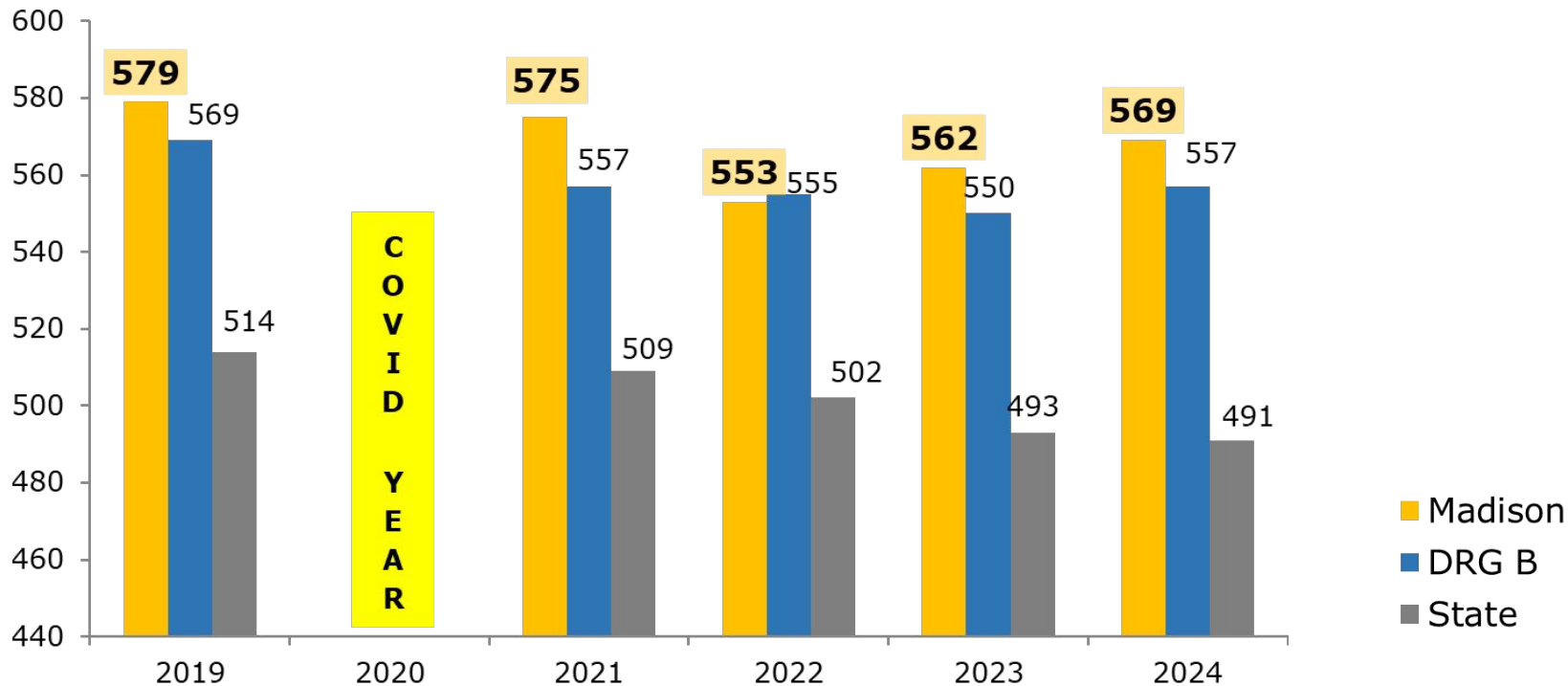

Chart showing CT SAT Day Average Scores for English Language Arts by year:

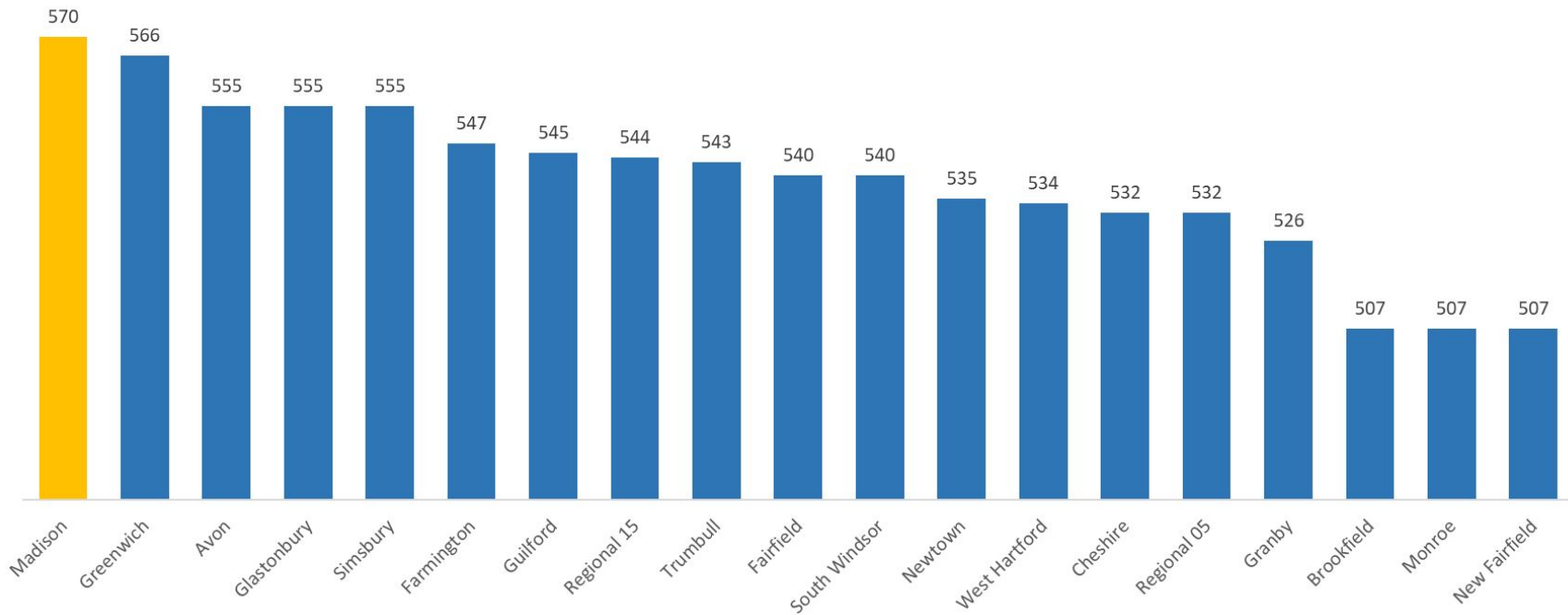| Year	Madison	DRG B	State
2019	579	569	514
2020	COVID YEAR		
2021	575	557	509
2022	553	555	502
2023	562	550	493
2024	569	557	491

Daniel Hand High School

- 19 & 22 Data from Scores reported in CSDE EdSight-Public site
- 21 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 students.
- 24 Data from Scores reported in CSDE EdSight-Secure site

CT SAT DAY DRG B Ranking: Mathematics
by district average score

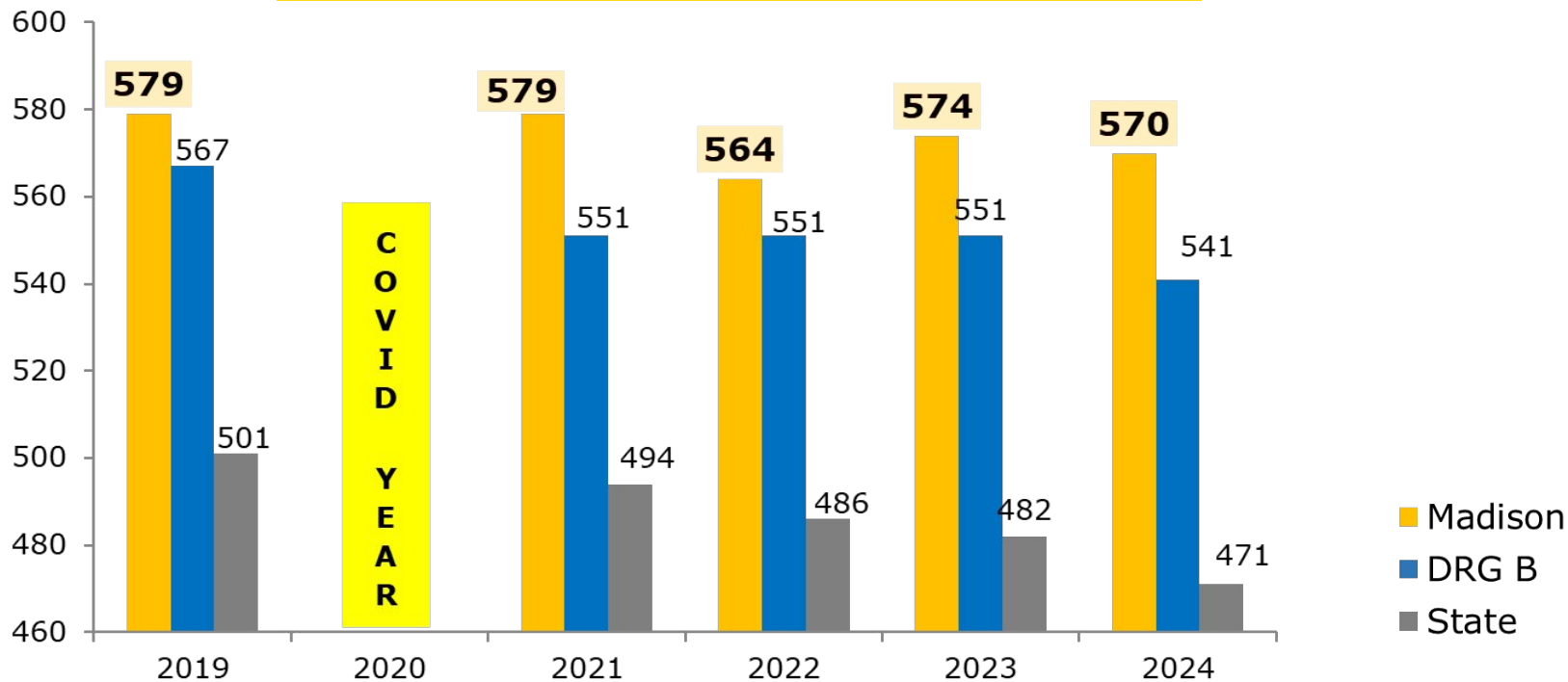| District	Score
Madison	570
Greenwich	566
Avon	555
Glastonbury	555
Simsbury	555
Farmington	547
Guilford	545
Regional 15	544
Trumbull	543
Fairfield	540
South Windsor	540
Newtown	535
West Hartford	534
Cheshire	532
Regional 05	532
Granby	526
Brookfield	507
Monroe	507
New Fairfield	507

Daniel Hand High School

CT SAT DAY Average Score Comparison: Mathematics
Madison, DRG B and the State of CT

Daniel Hand High School

- 19 & 22 Data from Scores reported in CSDE EdSight-Public site
- 21 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 students.
- 24 Data from Scores reported in CSDE EdSight-Secure site

SAT School Day State Top 10: *by district average score*

English Language Arts

Westport	DRG A	612
Darien	DRG A	605
Wilton	DRG A	605
Weston	DRG A	600
New Canaan	DRG A	599
Ridgefield	DRG A	590
Greenwich	DRG B	578
Avon	DRG B	575
Simsbury	DRG B	574
Madison	DRG B	569

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Mathematics

Westport	DRG A	602
Wilton	DRG A	599
Darien	DRG A	594
New Canaan	DRG A	588
Ridgefield	DRG A	573
Madison	DRG B	570
Greenwich	DRG B	566
Weston	DRG A	562
Avon	DRG B	555
Glastonbury	DRG B	555

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Madison Public Schools District

SAT Targeted Areas of Growth

Evidenced Based Reading & Writing		Mathematics	
2023	**2024**	**2023**	**2024**
Ranked 13th in the state out of 137 CT high schools	**Ranked 10th in the state out of 137 CT high schools**	Ranked 9th in the state out of 137 CT high schools	**Ranked 6th in the state out of 137 CT high schools**
<u>Needs to Strengthen</u> Command of Evidence - 10% Words in Context - 7% Expression of Ideas - 9% Conventions of English - 15%	<u>Needs to Strengthen</u> Information & Ideas - 3% Craft & Structure - 5% Expression of Ideas - 12% Standard English Conventions - 15%	<u>Needs to Strengthen</u> Heart of Algebra - 5% Problem Solving - 12% Advanced Math - 14%	<u>Needs to Strengthen</u> Heart of Algebra - 6% Problem Solving & Data Analysis - 12% Geometry & Trig - 9% Advanced Math - 4%
Reflection & Action Plan		Reflection & Action Plan	
Focus on building strategies within the Expression of Ideas strand including topic development, organization and rhetorical analysis.	Continue to build strategies and resources to support growth in Expression of Ideas and Standard English Conventions. Review and integrate College Board and Princeton review question samples into classes (these updated materials will support our work with the new SAT strands).	Students were exposed to SAT type questions weekly in all grade 9 - 11 mathematics courses. DESMOS calculator embedded in math instruction to familiarize students with the features of the calculator as a tool and resource	Continue to build strategies and resources to support growth in Problem Solving & Data Analysis and Geometry & Trigonometry. Continue to embed DESMOS calculator in instruction and assessments to provide opportunities for students to familiarize themselves on how to use the DESMOS calculator on the SAT.

Daniel Hand High School

NGSS DRG B Ranking: SCIENCE Grade 11
by % of students at level 3 & 4

School	Value
Simsbury	86.6
Greenwich	85.8
South Windsor	78.7
Granby	75.9
Madison	74.6
Farmington	73
Trumbull	72.6
West Hartford	70.7
Cheshire	68.6
Regional 15	66.3
Fairfield	66.2
Glastonbury	62.1
Brookfield	60.7
Avon	57.3
Newtown	55.4
Guilford	55.3
Monroe	53.4
Regional 05	50.8
New Fairfield	43.7
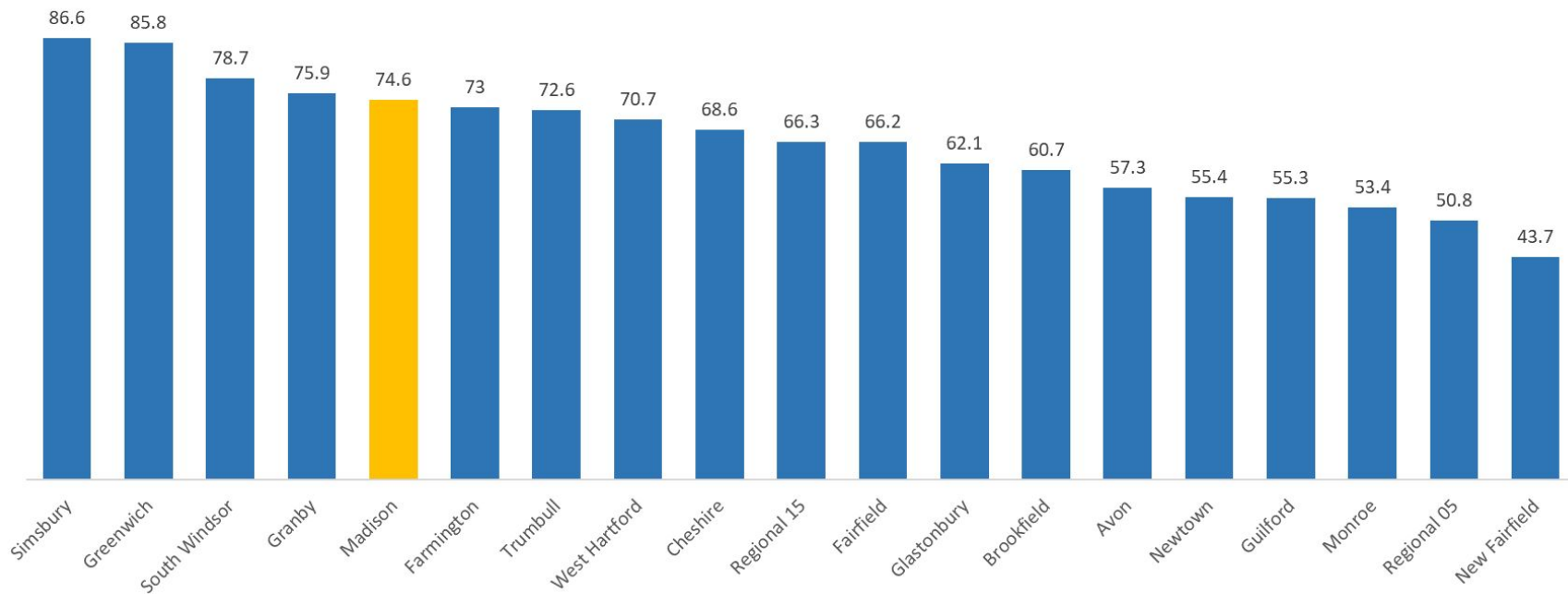
Daniel Hand High School

NGSS Analysis

Findings	Plan
<u>NGSS has 3 Bands</u>　　　　(Proficient or Higher) ● Earth/Space Science: (22) 80% → (23) 84% → (24) 93% ● Life Science:　　　　(22) 76% → (23) 83% → (24) 94% ● Physical Science:　　(22) 82% → (23) 89% → (24) 92% <u>Time on test</u> ● Average length of time 　○ 2022 → 54 minutes 　○ 2023 → 60 minutes 　○ 2024 → 72 minutes 🎥 test prep video <u>No. of students at level 1 lowest in three years</u> ● Percent of students at Level 1 　○ 2022 → 21.3% 　○ 2023 → 11.1% 　○ 2024 → 4.0%	● Use data to drive informed decisions during the 2024-25 curriculum revision cycle ● Continue to encourage students with limited math proficiency to enroll in conceptual science course electives such as conceptual chemistry and conceptual physics prior to core class ● Continue Interim Assessment Blocks 　○ 2024-25 Targeted sciences courses will increase the number of IABs administered ● 2024 test administration procedures 　○ Delayed start for 9th, 10th, and 12th grade 　○ NGSS test administered by science teachers 　○ NGSS test prep video and practice test ● 2024 Discuss ways to recognize and celebrate student performance

Daniel Hand High School

2019-2024 Grades 11 **NGSS** - *Percent of Students at/above Goal*

	2019	2021	2022	2023	2024
Grade 11	50%	75%	53%	62%	75%

Daniel Hand High School

District Smarter Balanced Results

Overall Performance on SBA by Subject & Grade - *Percentage at Level 3 or Above*

English Language Arts

	18-19	20-21	21-22	22-23	23-24	Growth Between 23 & 24
Grade 3	82%	70%	78%	75%	80%	+5
Grade 4	74%	78%	74%	82%	85%	+3
Grade 5	69%	75%	83%	80%	82%	+2
Grade 6	70%	70%	75%	79%	82%	+3
Grade 7	66%	70%	71%	78%	80%	+2
Grade 8	55%	77%	62%	76%	78%	+2

Mathematics

	18-19	20-21	21-22	22-23	23-24	Growth Between 23 & 24
Grade 3	84%	68%	79%	81%	84%	+3
Grade 4	74%	72%	68%	81%	83%	+2
Grade 5	61%	61%	71%	73%	78%	+5
Grade 6	64%	70%	81%	83%	81%	-2
Grade 7	68%	72%	71%	81%	81%	0
Grade 8	52%	72%	62%	76%	76%	0

Madison Public Schools District

SBA Grade 3-8 Combined State Top 10: *by district % at or above GOAL*

English Language Arts

District	DRG	Score
New Canaan	DRG A	86.6
Darien	DRG A	81.7
Woodbridge	DRG B	81.5
Madison	DRG B	80.9
Wilton	DRG A	80.8
Ridgefield	DRG A	79.8
Weston	DRG A	79.2
Westport	DRG A	78.6
Regional 12	DRG C	77.7
Sherman	DRG C	77.4

Mathematics

District	DRG	Score
New Canaan	DRG A	83.9
Darien	DRG A	82.1
Wilton	DRG A	80.7
Madison	DRG B	80.3
Woodbridge	DRG B	79.5
Westport	DRG A	79.2
Ridgefield	DRG A	78.2
Weston	DRG A	77.6
Easton	DRG A	76.7
Redding	DRG A	76.4

Madison Public Schools District

All Grades Combined DRG B Ranking: Spring 24 SBA ELA (GR 3-8)
by district % at or above GOAL

District	%
Woodbridge	81.5
Madison	80.9
Regional 05	76.4
Simsbury	76.4
Cheshire	76.1
Farmington	75.2
Greenwich	75
Guilford	74.6
Monroe	73.6
Trumbull	73.6
Glastonbury	73.4
Avon	72.7
Fairfield	70.7
South Windsor	70.5
Orange	70.4
Newtown	66.4
Granby	65.8
New Fairfield	65.4
West Hartford	65
Brookfield	62.6
Regional 15	60.2
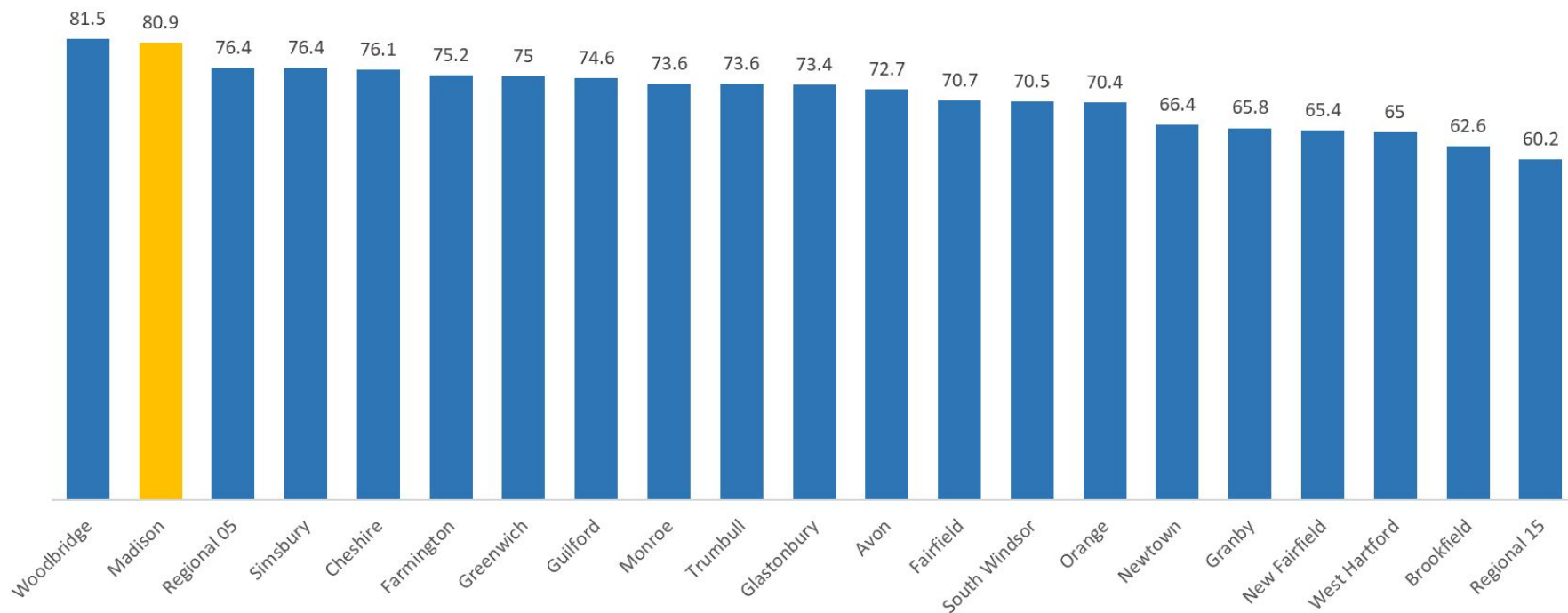
Madison Public Schools District

DRG B Ranking by Grade: Spring 24 SBA ELA
by % at or above GOAL

Grade 3 — 1

Grade 4 — 1

Grade 5 — 3

Grade 6 — 2

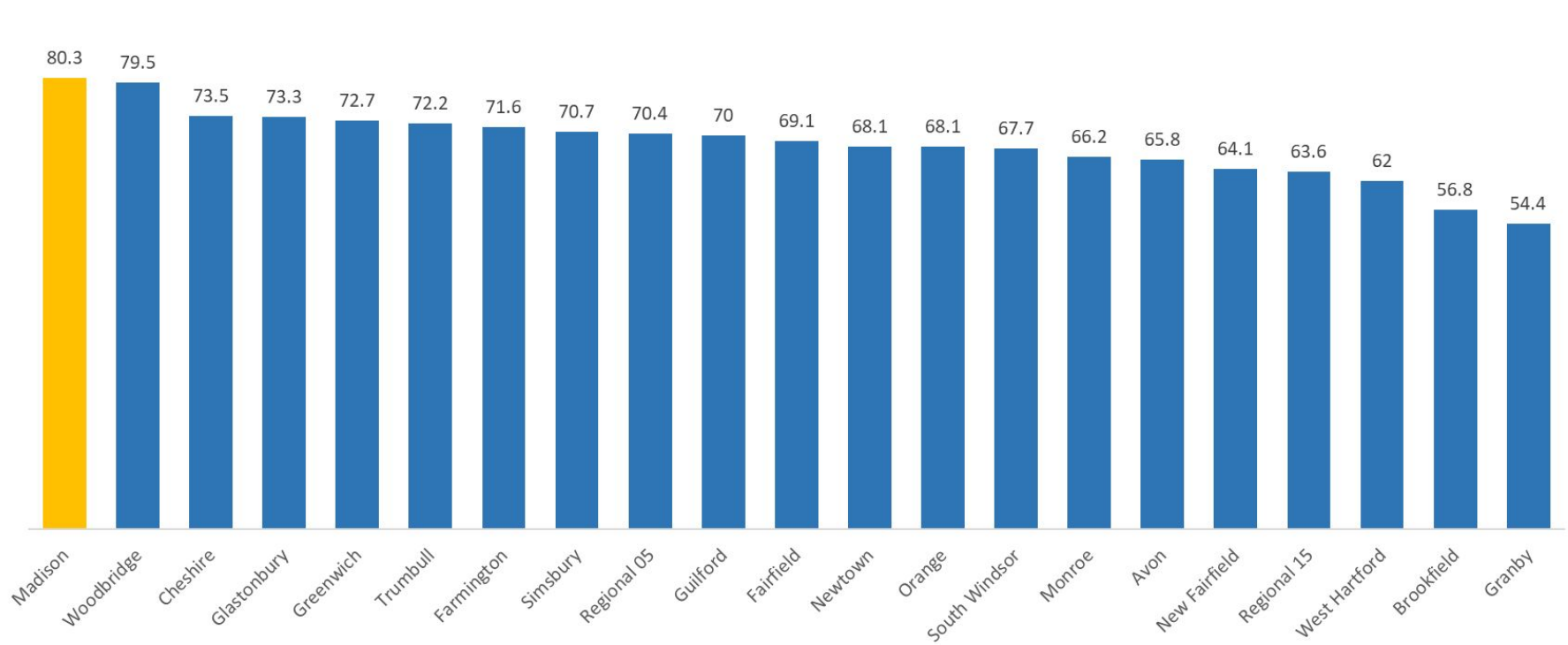Grade 7 — 2

Grade 8 — 1

Madison Public Schools District

Madison Public Schools   Other Districts in DRG B

All Grades Combined DRG B Ranking: Spring 24 SBA Math (GR 3-8)
by district % at or above GOAL

District	% at or above GOAL
Madison	80.3
Woodbridge	79.5
Cheshire	73.5
Glastonbury	73.3
Greenwich	72.7
Trumbull	72.2
Farmington	71.6
Simsbury	70.7
Regional 05	70.4
Guilford	70
Fairfield	69.1
Newtown	68.1
Orange	68.1
South Windsor	67.7
Monroe	66.2
Avon	65.8
New Fairfield	64.1
Regional 15	63.6
West Hartford	62
Brookfield	56.8
Granby	54.4

Madison Public Schools District

DRG B Ranking by Grade: Spring 24 SBA Math
by % at or above GOAL

Grade	Rank
Grade 3	1
Grade 4	1
Grade 5	2
Grade 6	2
Grade 7	1
Grade 8	1

Madison Public Schools District

Madison Public Schools — Other Districts in DRG B

Polson Middle School

2019-2024 Grades 6-8 SBA **ELA** - *Percent of Students at/above Goal*

	2019	2021	2022	2023	2024
Grade 6	70%	70%	75%	79%	82%
Grade 7	67%	70%	71%	78%	80%
Grade 8	55%	77%	62%	76%	78%

Polson Middle School

ELA Priorities

- Collaborate with general and special education teachers to use available resources and instructional practices that provide differentiated instruction which meets the needs of all learners.

- Apply key literacy non-fiction reading/writing connections and strategies in our units as well as communicate to other content areas.

- Continue to use PLCs and coaching cycles to address instructional approaches.

- Expand vocabulary instructional practices, both in ELA and related content areas, as it relates to comprehension.

2019-2024 Grades 6-8 SBA **Math** - *Percent of Students at/above Goal*

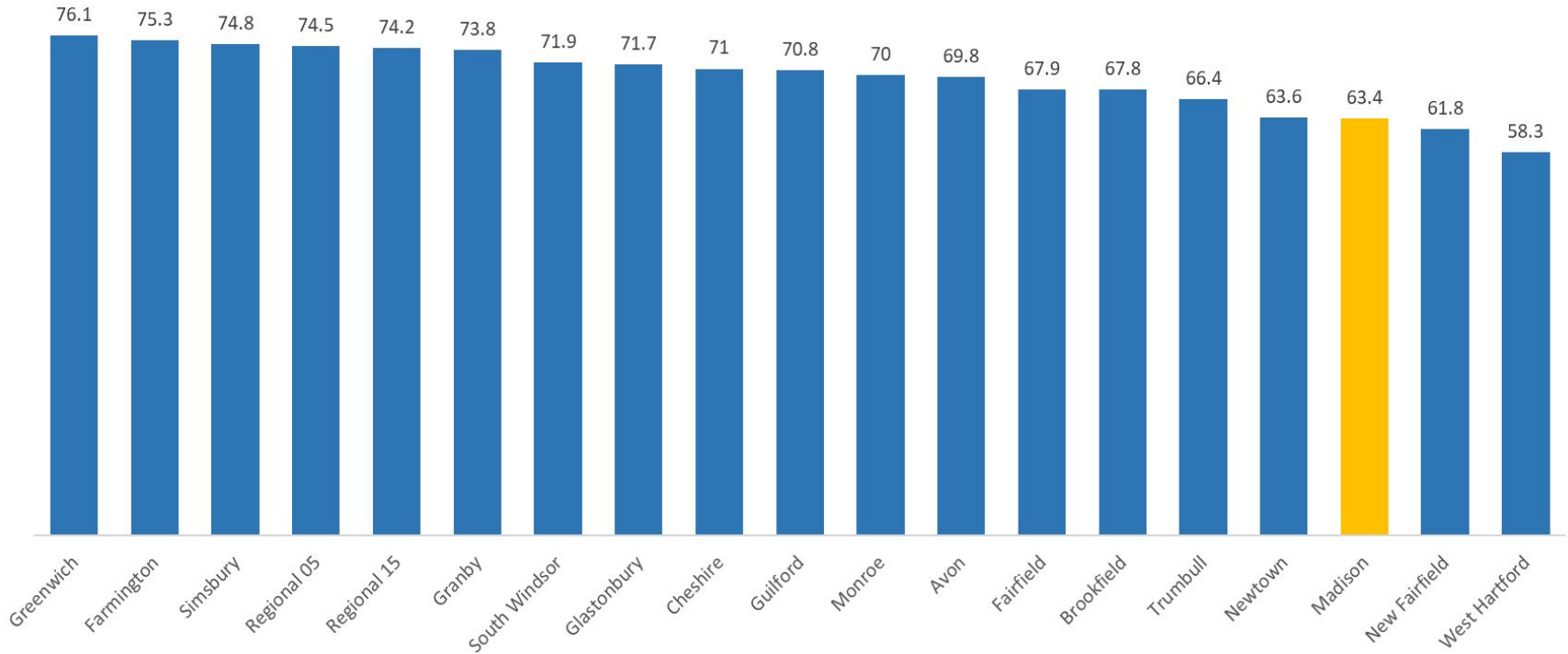|	2019	2021	2022	2023	2024
Grade 6	64%	70%	81%	83%	81%
Grade 7	69%	72%	71%	81%	81%
Grade 8	52%	72%	62%	76%	76%

Polson Middle School

Math Priority

Concepts and Procedures:
- Use Looking at Student Work PLC protocols to identify specific math standards and targets to developing student understanding.

- Collaborate with math teachers and special education teachers to ensure concepts and procedures are strategically taught and assessed.

-

- Continuously review curriculum to ensure that it is accessible to all students.

-

- Provide professional development and coaching to assist teachers in developing student perseverance when learning new concepts.

2019-2024 Grades 8 **NGSS** - *Percent of Students at/above Goal*

	2019	2021	2022	2023	2024
Grade 8	50%	70%	63%	67%	63%

Polson Middle School

NGSS DRG B Ranking: SCIENCE Grade 8
by % of students at level 3 & 4

School	%
Greenwich	76.1
Farmington	75.3
Simsbury	74.8
Regional 05	74.5
Regional 15	74.2
Granby	73.8
South Windsor	71.9
Glastonbury	71.7
Cheshire	71
Guilford	70.8
Monroe	70
Avon	69.8
Fairfield	67.9
Brookfield	67.8
Trumbull	66.4
Newtown	63.6
Madison	63.4
New Fairfield	61.8
West Hartford	58.3

Polson Middle School

Science Priorities

- Review science units to determine how each lesson aligns with the NGSS and update curriculum as needed.

- Analyze data to identify current strengths and weaknesses in grade 8. Develop an action plan with teachers to address the areas of concern.

- Identify resources to support nonfiction reading comprehension to expose students to NGSS style questions.

Brown Intermediate School

2019-2024 Grades 4 & 5 SBA **ELA** - *Percent of Students at/above Goal*

	2019	2021	2022	2023	2024
Grade 4	74%	78%	75%	82%	85%
Grade 5	69%	75%	83%	80%	82%

2019-2024 Grades 4 & 5 SBA **Math** - *Percent of Students at/above Goal*

	2019	2021	2022	2023	2024
Grade 4	74%	72%	68%	81%	84%
Grade 5	61%	61%	71%	73%	78%

Brown Intermediate School

ELA Priorities

- Professional development and coaching cycles related to small group instruction and differentiation.
- Preparing for a cohesive pre-k-5 school:
  - Apply key literacy non-fiction reading/writing connections and strategies in our units as well as communicate to other content areas.
  - Expand vocabulary instructional practices as it relates to comprehension.

Math Priorities

- Implementing Building Thinking Classroom strategies particular the use of vertical boards and random grouping

- Engage students in solving rich problems that are low floor, high ceiling making them accessible to all learners

- Build student perseverance when solving problems independently

Brown Intermediate School

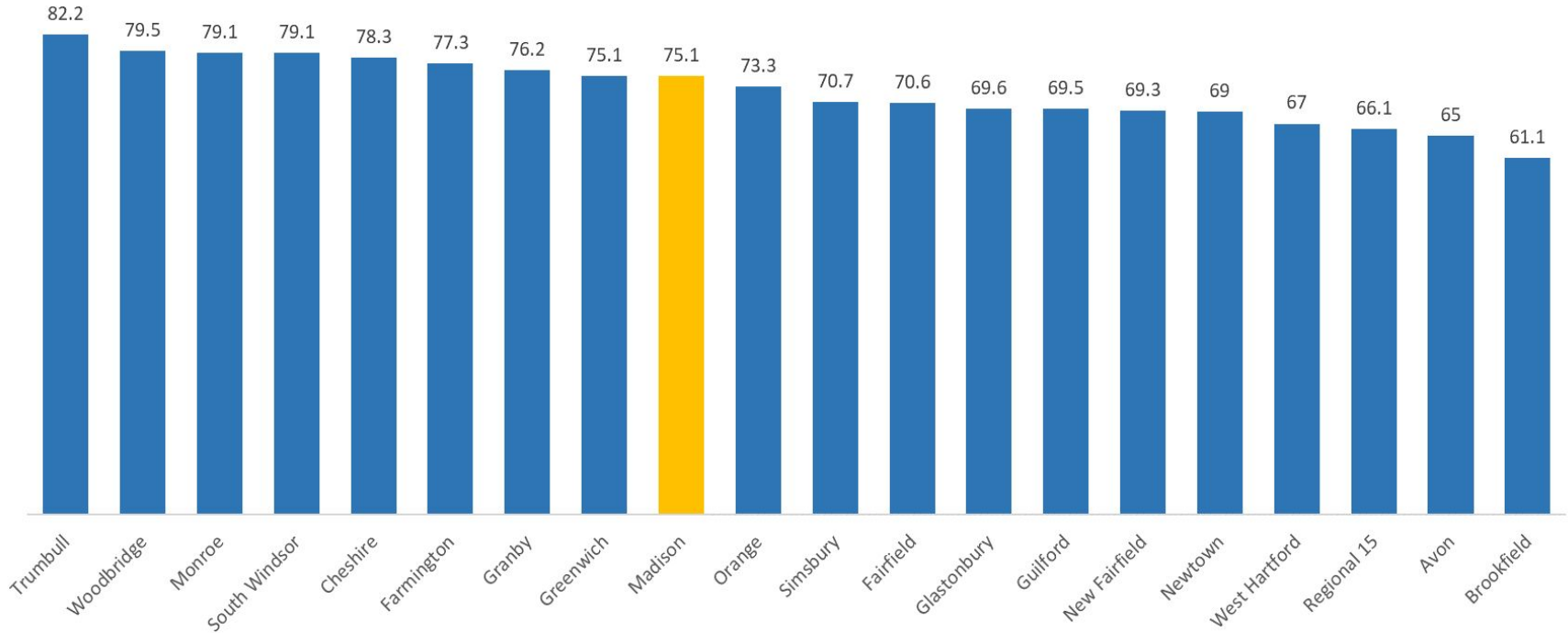# 2019-2024 Grades 5 **NGSS** - *Percent of Students at/above Goal*

	2019	2021	2022	2023	2024
Grade 5	70%	73%	72%	76%	75%

Brown Intermediate School

NGSS DRG B Ranking: SCIENCE Grade 5
by % of students at level 3 & 4

School	%
Trumbull	82.2
Woodbridge	79.5
Monroe	79.1
South Windsor	79.1
Cheshire	78.3
Farmington	77.3
Granby	76.2
Greenwich	75.1
Madison	75.1
Orange	73.3
Simsbury	70.7
Fairfield	70.6
Glastonbury	69.6
Guilford	69.5
New Fairfield	69.3
Newtown	69
West Hartford	67
Regional 15	66.1
Avon	65
Brookfield	61.1

Brown Intermediate School

Science/NGSS Priorities

- Audit each unit to determine alignment with NGSS.

- Identify deficits in units.

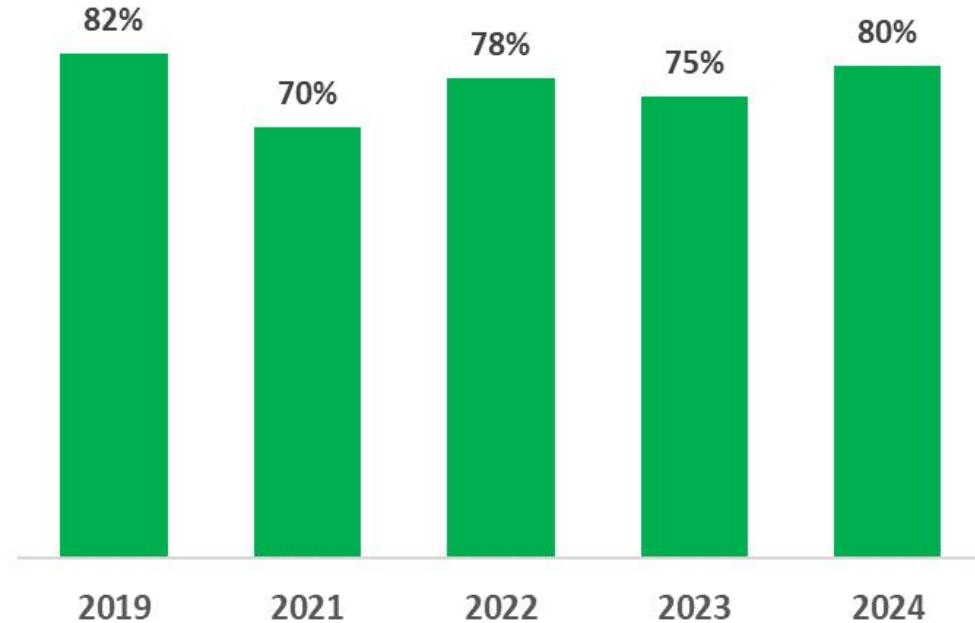- Re-write Science curriculum, after audit, to support alignment with NGSS.
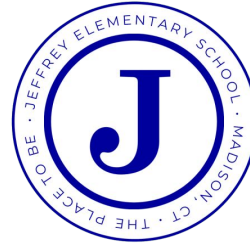
Jeffrey and Ryerson Elementary School

2019-2024 Grades 3 SBA **ELA** - *Percent of Students at/above Goal*

	2019	2021	2022	2023	2024
Jeffrey	78%	70%	78%	74%	85%
Ryerson	87%	70%	78%	78%	74%

Elementary Schools

2019-2024 Grades 3 SBA **Math** - *Percent of Students at/above Goal*

	2019	2021	2022	2023	2024
Jeffrey	83%	71%	82%	81%	85%
Ryerson	82%	66%	73%	84%	82%

Elementary Schools

ELA Priorities
Writing & Research / Inquiry

Students can produce effective and well-grounded writing for a range of purposes and audiences. Student can engage in research and inquiry to investigate topics, and to analyze integrate, and present information.

- ***Student writing*** - targeted professional development focused on effective strategies teaching editing and revising at all levels.

- ***PLC meetings*** - continuous grade level PLC meetings devoted to the sharing of best practices in the teaching of editing and revising at all levels for both student independent transfer and improvement in the overall quality of completed students' written pieces.

- ***Coaching cycles*** - utilization of our coaches at all levels to support new learning in this area at PLC meetings and to demonstrate high quality support for both teacher and student growth.

Math Priorities
Communicating Reasoning

Students can clearly and precisely construct viable arguments to support their own reasoning and to critique the reasoning of others.

- ***Student Writing and Oral Speech*** - targeted professional development focused on effective writing strategies and techniques for effectively and efficiently "explaining our thinking." Continued implementation of vertical boards and math forums to increase student discourse around mathematical thinking.

- ***PLC meetings*** - continuous grade level PLC meetings focused on the sharing of best practices in the teaching of writing to an audience to explain our thinking in mathematics. Using authentic student work to identify exemplars and provide rubrics for students to use for independent transfer and improvement.

- ***Coaching cycles:*** utilization of our coaches at all levels to support new learning in this area at PLC meetings and to demonstrate high quality support for both teacher and student growth.

RYERSON SCHOOL on the hill Madison, CT

Elementary Schools

Questions? Comments?