2021-2022 State Assessment Results

Presentation to the Hebron Board of Education

(Presented on October 13, 2022)

Overview

- Smarter Balanced (SBAC) Overview

- 2021-2022 student outcomes
    - ELA
    - Mathematics
    - Science

- Action Steps

- Questions/Discussion

Smarter Balanced

WHO, WHAT, WHEN

- **WHO**
  - ALL 3rd, 4th, 5th, 6th graders
- **WHAT**
  - Computer Adaptive Test (CAT)
  - Online statewide mandated assessment
  - Summative
  - Mathematics, English Language Arts, and Science (5th grade only)
  - Provides achievement and growth information to inform educational decisions
- **WHEN**
 - CSDE prescribed testing window (last 9 weeks of school)

State Summative Assessments

Not Useful As:

- A **sole measure** of student achievement, program evaluation or school, district, and state accountability systems

- The **sole source** of guidance for curriculum or instruction.

- A **substitute** for a wide variety of other relevant ways to assess student learning, such as:
  - ❖ classroom assessments
  - ❖ teacher observations
  - ❖ student work portfolios
  - ❖ universal screening
  - ❖ frequent progress monitoring
  - ❖ detailed diagnostic assessment or evaluation

What are the SBAC Achievement Levels?

- Established "**Cut Scores**"

- Based on student sampling

- Based on **4 Levels**
  - **Exceeds** the Achievement Level (4)
  - **Meets** the Achievement Level (3)
  - **Approaching** the Achievement Level (2)
  - **Does Not Meet** the Achievement Level (1)

- Identifies **Knowledge** and **Skills** at each level

- Should only serve as a **Baseline** for conversation

- Students **Level 3 or Above** meet state expectations

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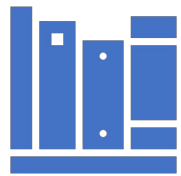
Outcomes
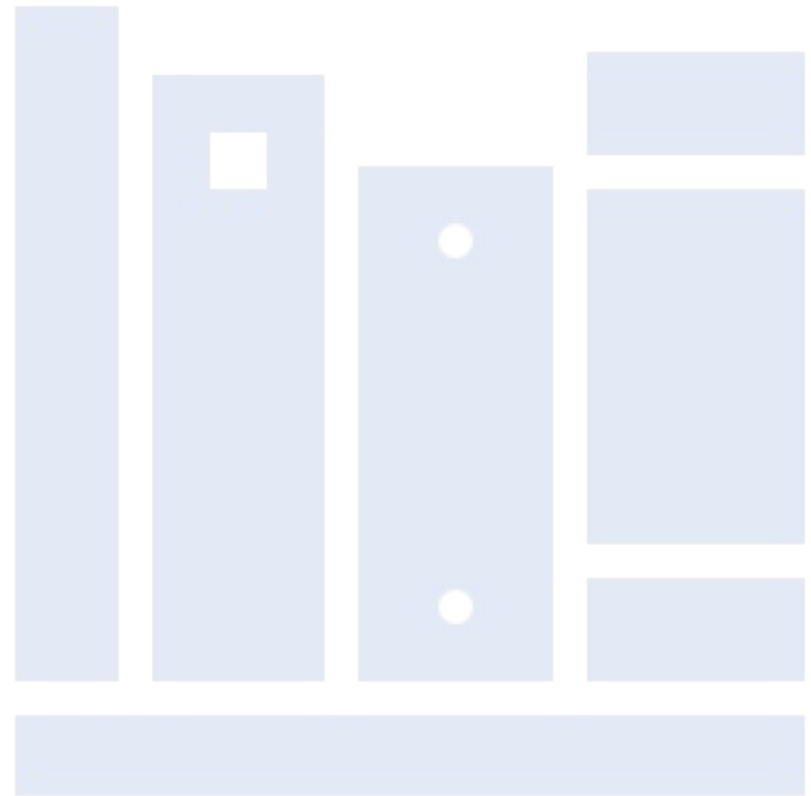
Statewide Takeaways

- Some signs of learning acceleration and recovery; overall achievement still lags behind pre-pandemic levels
  - Overall growth rate was faster in 2021-2022 in elementary grades and in most grades in mathematics.
- The pandemic has had a widespread impact on student achievement
  - Performance Index changes translate to approximately 6-8% decline in proficiency for English Language Arts and approximately a 4% decline in Mathematics.
- It is estimated that students in grades 4 and 5 may be 2-3 months behind their expected performance; 5-7 months in grade 6.
- It is estimated that students may be more than a year behind in mathematics statewide.

English Language Arts Pandemic Recovery Dashboard

What is the Pandemic Recovery Dashboard?

- A new state report that compares how overall student achievement (SBAC; NGSS) has changed from 2018-2019 to 2021-2022 using a scatter plot graph.
- The horizontal X-Axis shows 2018-2019 Achievement
- The vertical Y-Axis shows the difference in achievement from 18-19' to 21-22'
- If difference is greater than zero, achievement exceeds pre-pandemic levels
- If difference is less than zero, achievement lags pre-pandemic levels

Change in Performance Index (2018-19 to 2021-22)

Difference 2018-19 to 2021-22
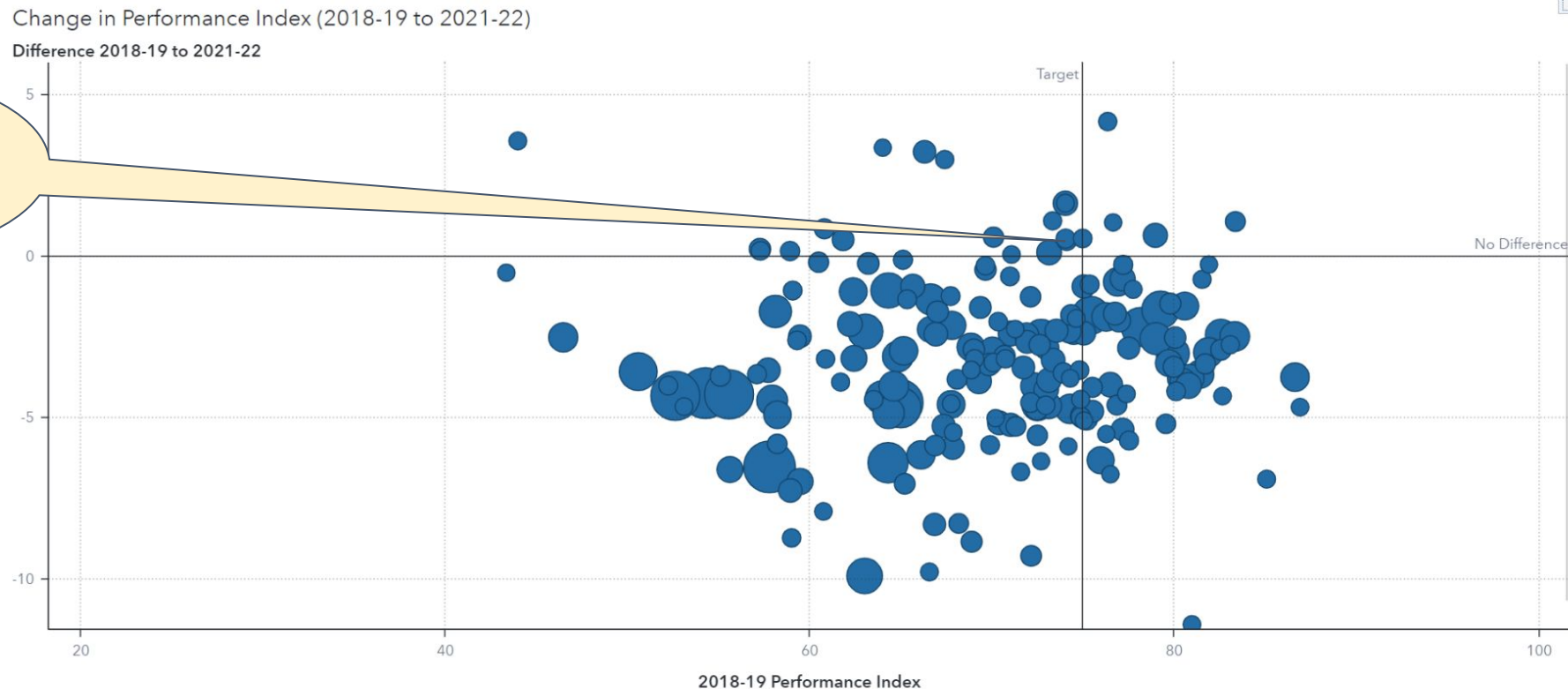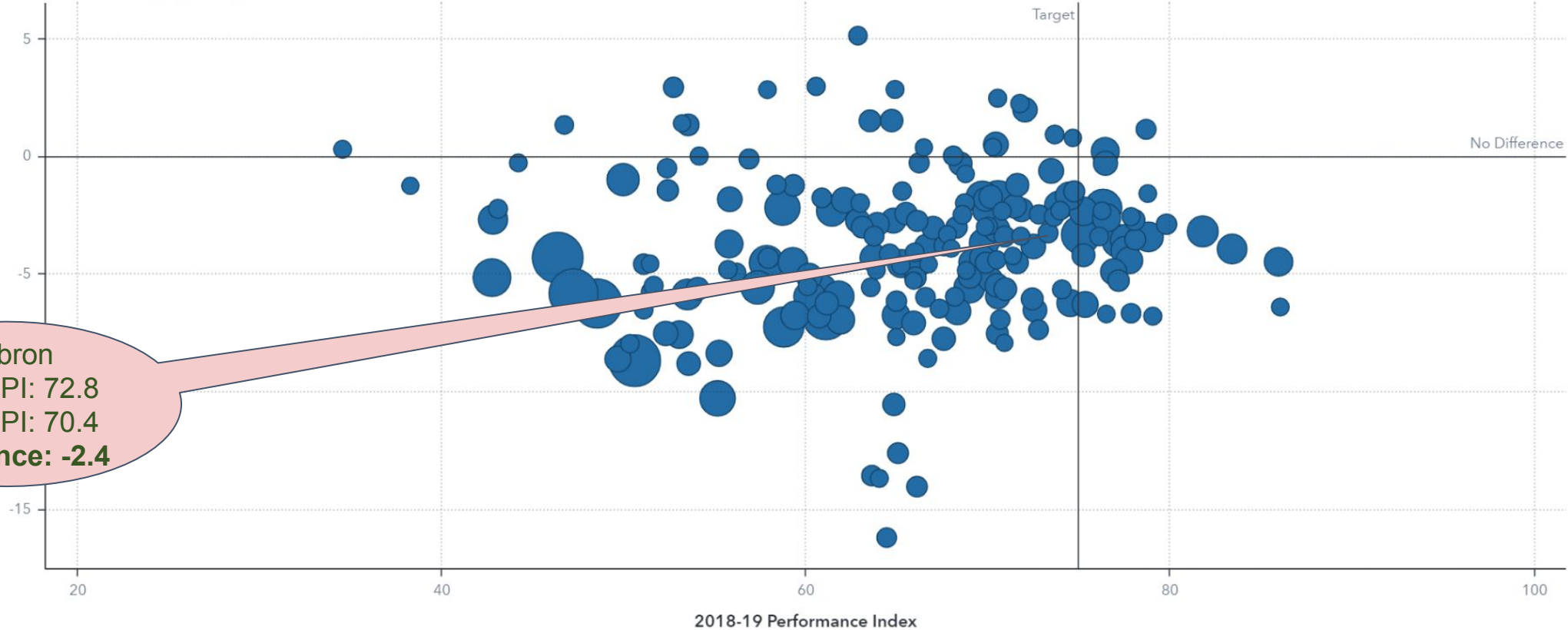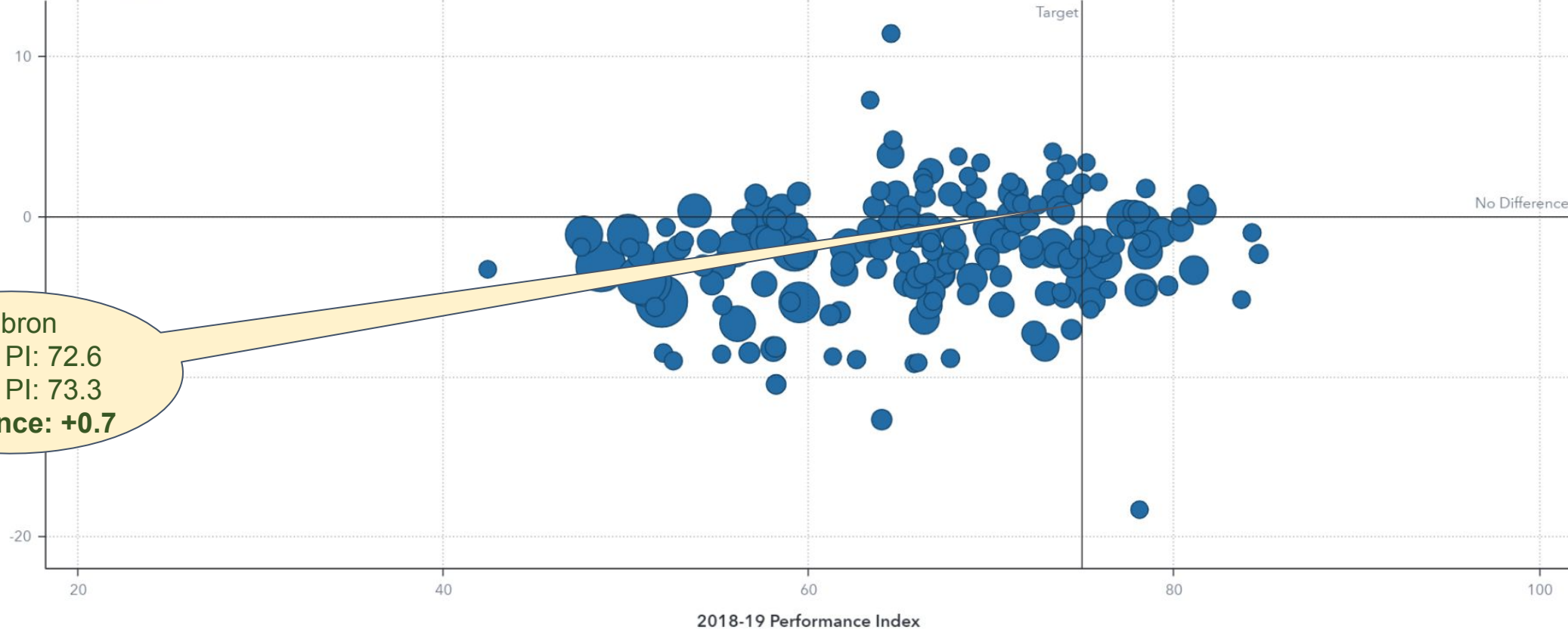
Hebron
18-19' PI: 74.1
21-22' PI: 74.6
Difference: +0.5

Target

No Difference

2018-19 Performance Index

Mathematics Pandemic Recovery Dashboard

Science Pandemic Recovery Dashboard

Hebron Takeaways

- Overall reading and mathematics remained stable
  - Tutoring support aided an additional 56 students last year in reading and math.
- Grade 3 performed well in Reading and Mathematics
  - Grant funding was used proactively to allow for smaller class size when we had reopened last year. Tutoring support was also provided.
- Grade 6 declined in ELA performance; math demonstrated cohort growth
  - We are implementing a new math curriculum and increasing instructional coaching and professional development in 6th grade. Structural changes have also occurred to increase instructional time.
- Overall significant improvement in science performance (10 point or 22% improvement).

Districts in DRG C

Andover	Hebron	RSD 13
Barkhamsted	Mansfield	RSD 14
Bethany	Marlborough	RSD 17
Bolton	New Hartford	RSD 18
Canton	Oxford	Salem
Columbia	Pomfret	Sherman
Cornwall	RSD 4	Somers
Ellington	RSD 10	Suffield
Essex	RSD 12	Tolland

Smarter Balanced ALL Students/ALL Grades Mathematics and ELA Results: 2021-2022

Mathematics ☐   ELA ☐

State Target (75.0)

	Hebron	DRG C	State
Mathematics	60	65	40
ELA	66	65	49
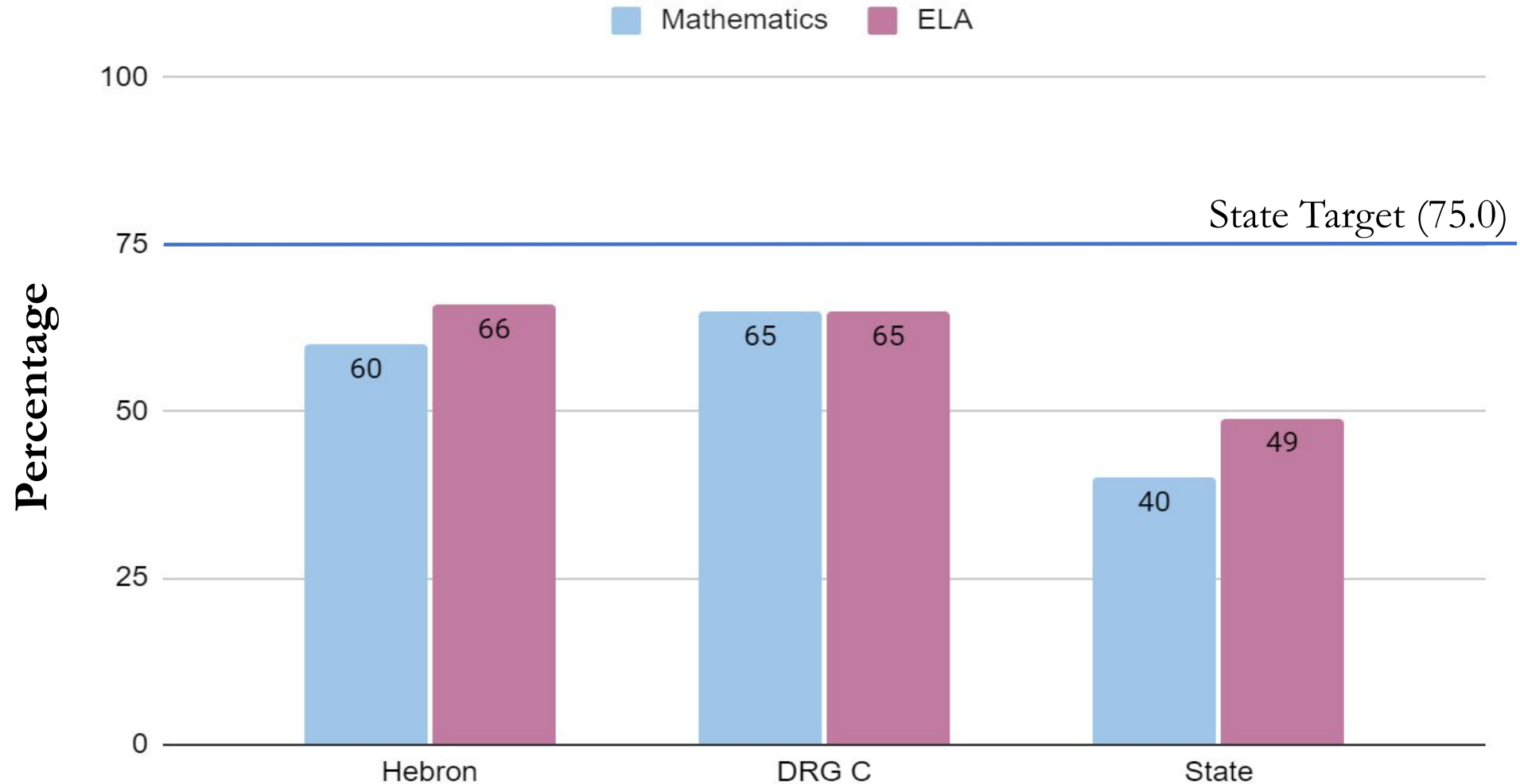
'DRG C' Rank Order Comparison

Results from: https://portal.ct.gov/SDE/Student-Assessment/Main-Assessment/Statewide-Summative-Assessment-Results-2020-21

ELA			
1	RSD 12	15	Canton
2	RSD 18	16	RSD 10
3	Essex	17	Bolton
4	Bethany	18	RSD 13
5	Mansfield	19	Oxford
6	Cornwall	20	RSD 14
7	Salem	21	Somers
8	RSD 17	22	Tolland
9	Sherman	23	Barkhamsted
10	Ellington	24	RSD 4
11	Hebron	25	New Hartford
12	Marlborough	26	Andover
13	Pomfret	27	Columbia
14	Suffield		

2019 Ranking (indicator near row 18)
2021 Ranking (indicator near row 9)

Mathematics			
1	RSD 18	15	Canton
2	RSD 12	16	RSD 14
3	Essex	17	Tolland
4	Marlborough	18	Andover
5	Bethany	19	Bolton
6	Cornwall	20	RSD 10
7	Salem	21	Barkhamsted
8	Ellington	22	New Hartford
9	Pomfret	23	Oxford
10	Mansfield	24	Somers
11	Suffield	25	RSD 13
12	Hebron	26	Columbia
13	RSD 17	27	RSD 4
14	Sherman		

2021 Ranking (indicator near row 5)
2019 Ranking (indicator near row 9)

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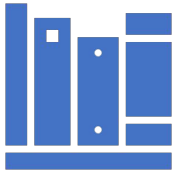
Smarter Balanced Outcomes
ELA & Mathematics: 2021-2022

ELA Smarter Balanced Cohort Analysis						
	2016	2017	2018	2019	2020	2021	2022
3	56	69	69	64	NO Testing	67	66
4	54	63	61	65		70	69
5	70	62	74	71		68	72
6	74	70	62	56		64	58

Math Smarter Balanced Cohort Analysis						
	2016	2017	2018	2019	2020	2021	2022
3	58	71	67	63	No Testing	62	65
4	55	65	74	72		66	67
5	54	55	68	60		49	56
6	67	70	54	62		66	53
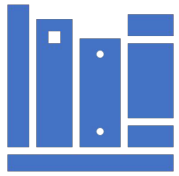
Smarter Balanced Outcomes
ELA/Literacy Results by Grade: 2021-2022

Grade			
3rd	12.99%	20.78%	66.23%
4th	14.79%	15.79%	69.48%
5th	7.69%	20.51%	71.80%
6th	16.50%	25.24%	58.25%
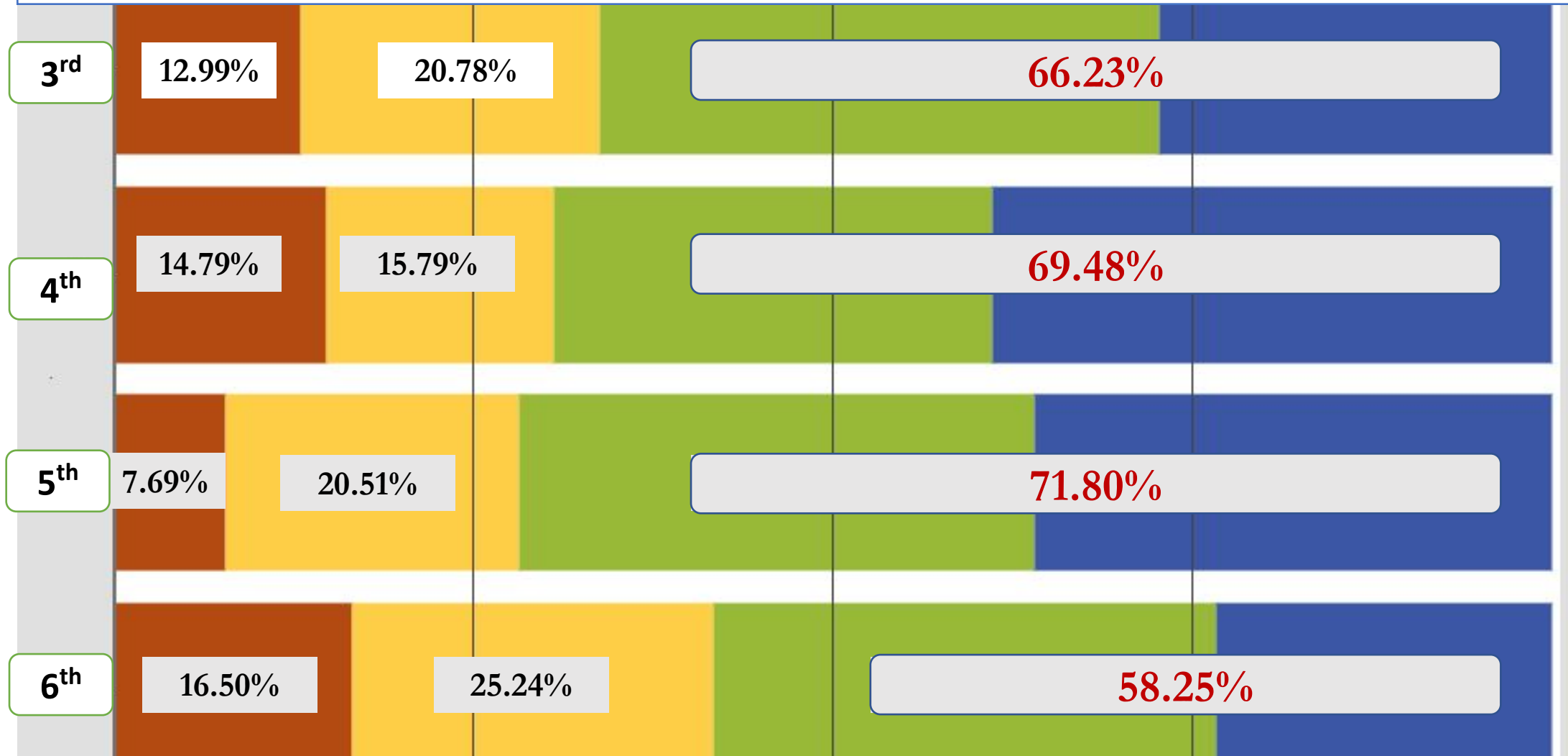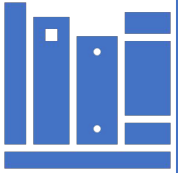
Smarter Balanced Outcomes
Mathematics Results by Grade: 2021-2022

Grade			
3rd	11.69%	23.38%	64.93%
4th	7.37%	25.26%	67.39%
5th	16.67%	26.92%	56.41%
6th	20.59%	26.47%	52.94%
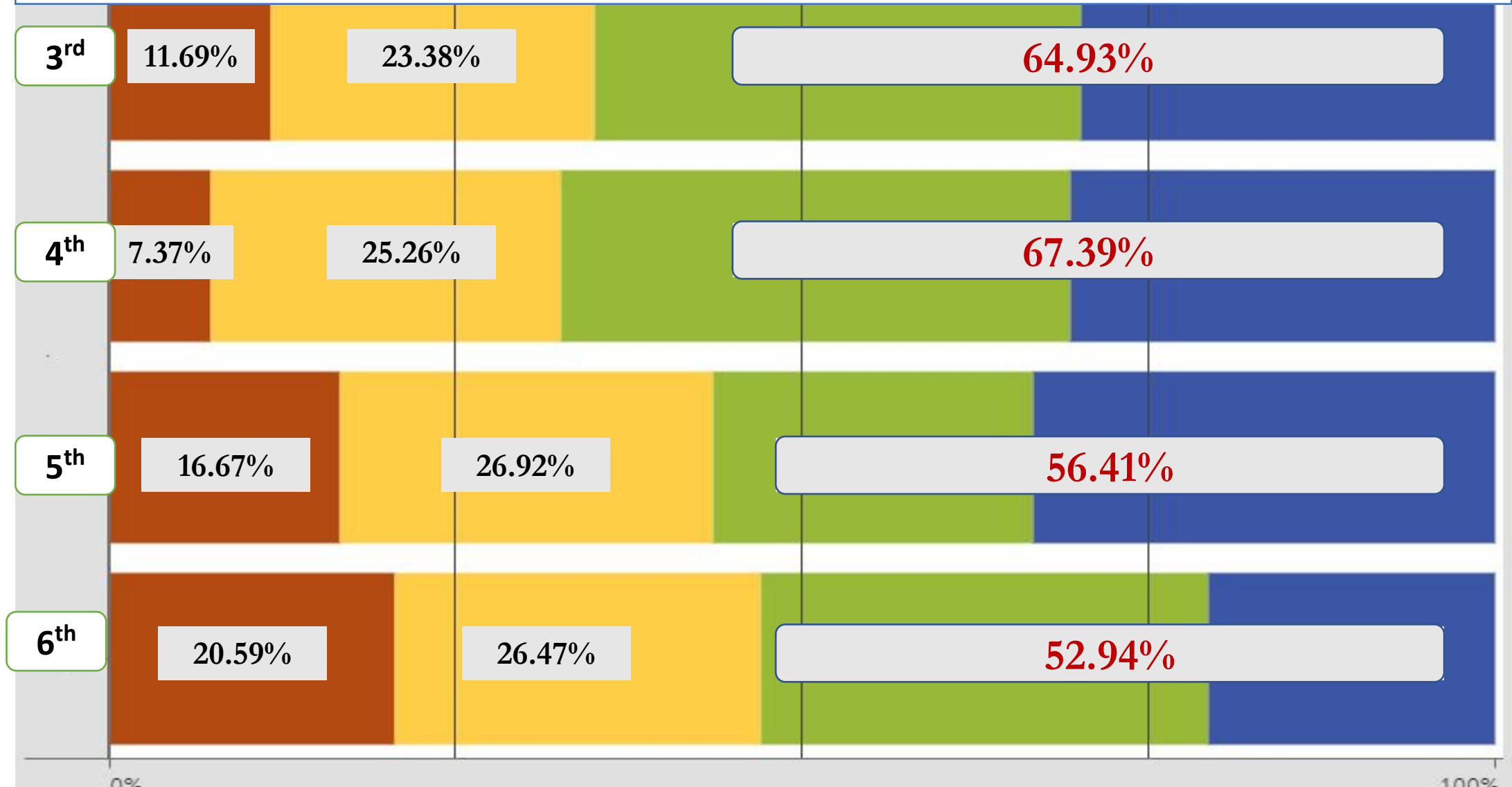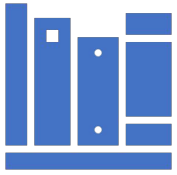
NGSS (Science) Outcomes: 2021-2022

NGSS		
	2021	**2022**
5	**62*** (9 students tested remotely)	**71**

Next Generation Science Standards (NGSS) Assessment

Filter By 1

5th

| 7.69% | 21.79% | 58.97% | 11.54% |

70.51%

0%   100%

Performance Level
Not Met   Approaching   Met   Exceeded
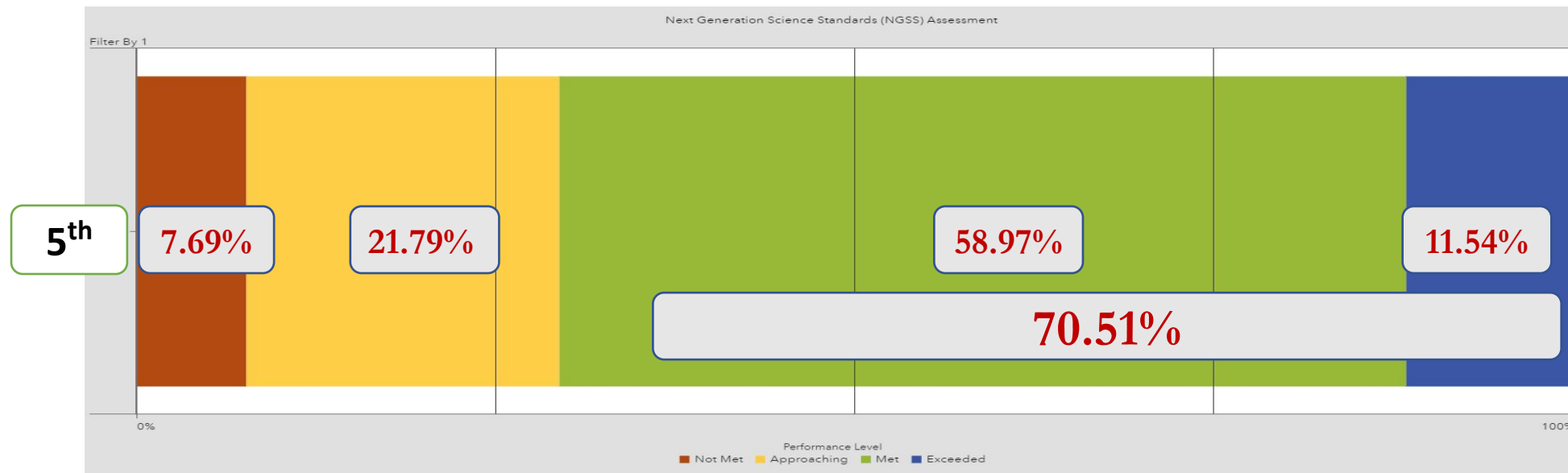
'DRG C' Rank Order Comparison

	NGSS		
1	Mansfield	15	Canton
2	Essex	16	Oxford
3	RSD 18	17	RSD 17
4	Marlborough	18	Columbia
5	Cornwall	19	Tolland
6	New Hartford	20	RSD 14
7	Salem	21	RSD 4
8	Bolton		*The following districts are not reported due to small samples:
9	RSD 12		Andover
10	**Hebron**		Barkhamsted
11	RSD 13		Bethany
12	RSD 10		Pomfret
13	Suffield		Sherman
14	Ellington		

Action Plan

In Progress:

- **Data:**
  - Bi-weekly student achievement team meetings focused on review and analysis of data.
  - Pilot of student data platform (iON), grade 4.
  - Ongoing progress monitoring of students receiving tiered supports

- **Systems:**
  - Full implementation of **targeted supports** for students receiving tiered interventions (i.e., SRBI and tutoring)
    - Additional tutor hired in 22-23
  - Revised Grade 6 Structure
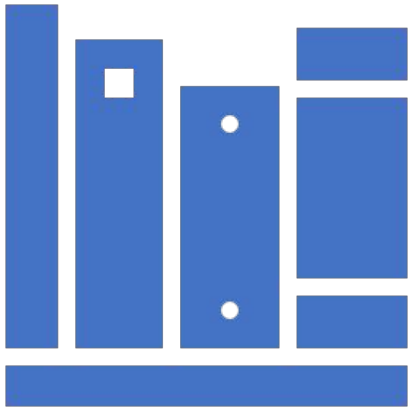
- **Practices:**
  - Continued full implementation of **Bridges** including Number Corner grades 3-5.
  - Year 2 Implementation of **Illustrative Math** in grade 6.
  - Continued affiliation with **Teachers' College Readers and Writers** project with embedded professional development.
    - Monitoring the pacing of our Units of Study in both ELA and Math

Questions?

For more information, please visit:
http://edsight.ct.gov/SASPortal/main.do