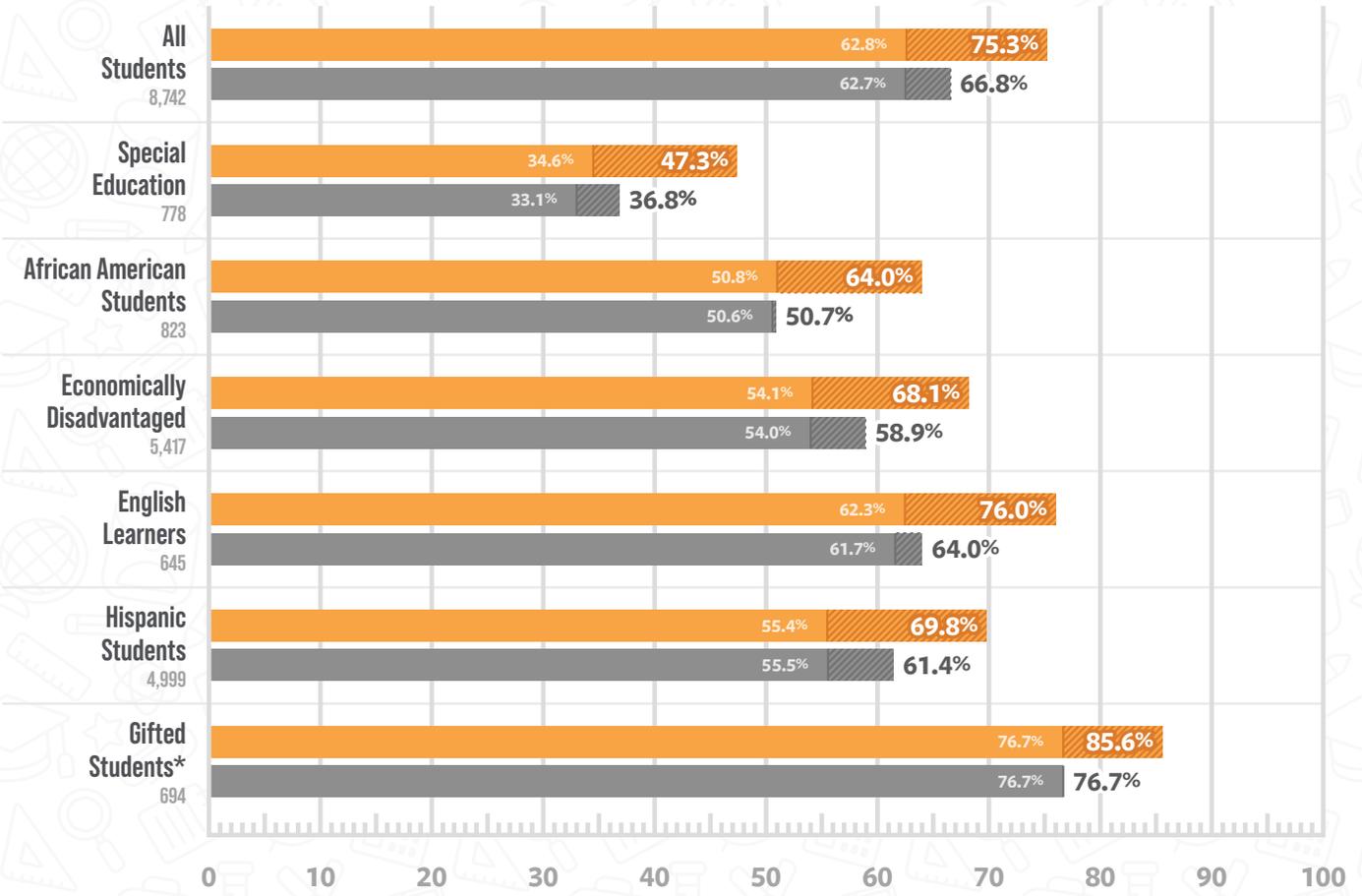# State Math Assessment Performance for Students Using ST Math

NEW RESULTS

ST Math
CREATED by MIND Education

Students Across All Groups Who Use ST Math Have Higher State Scores

All Students 8,742
- '22 Students using ST Math: 62.8%
- '23 Students using ST Math: 75.3%
- '22 Matched Comparison Group: 62.7%
- '23 Matched Comparison Group: 66.8%

Special Education 778
- '22 Students using ST Math: 34.6%
- '23 Students using ST Math: 47.3%
- '22 Matched Comparison Group: 33.1%
- '23 Matched Comparison Group: 36.8%

African American Students 823
- '22 Students using ST Math: 50.8%
- '23 Students using ST Math: 64.0%
- '22 Matched Comparison Group: 50.6%
- '23 Matched Comparison Group: 50.7%

Economically Disadvantaged 5,417
- '22 Students using ST Math: 54.1%
- '23 Students using ST Math: 68.1%
- '22 Matched Comparison Group: 54.0%
- '23 Matched Comparison Group: 58.9%

English Learners 645
- '22 Students using ST Math: 62.3%
- '23 Students using ST Math: 76.0%
- '22 Matched Comparison Group: 61.7%
- '23 Matched Comparison Group: 64.0%

Hispanic Students 4,999
- '22 Students using ST Math: 55.4%
- '23 Students using ST Math: 69.8%
- '22 Matched Comparison Group: 55.5%
- '23 Matched Comparison Group: 61.4%

Gifted Students* 694
- '22 Students using ST Math: 76.7%
- '23 Students using ST Math: 85.6%
- '22 Matched Comparison Group: 76.7%
- '23 Matched Comparison Group: 76.7%

0   10   20   30   40   50   60   70   80   90   100

Students scoring proficient or better on 2023 state assessments

Students using ST Math completed >1,500 puzzles (*Gifted % Masters @ 2,500 puzzles)

- '22 Students using ST Math
- '22 Matched Comparison Group
- '23 Students using ST Math
- '23 Matched Comparison Group

To learn more about ST Math outcomes,
visit **stmath.com/impact/results**

ST Math Usage Delivers Performance Level Growth
Over 35% of Students Scoring "Did Not Meet" in 2022 Increased 1+ Performance Level on 2023 State Assessments

Control: 0 Puzzles

Treatment: ≥1,500 Puzzles
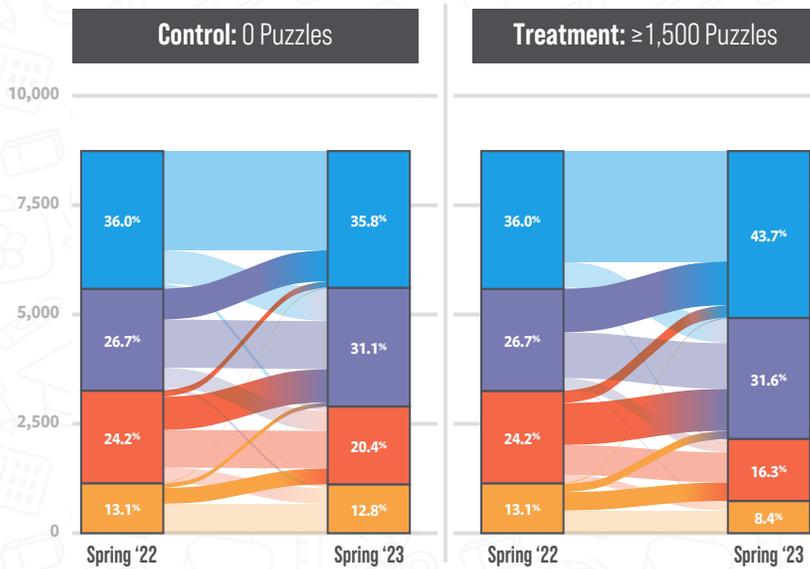
Change	Control	Treatment	Diff
Did Not Meet ↓	-0.3% [-24]	-4.6% [-404]	4.3%
Masters ↗	-0.3% [-23]	7.6% [665]	7.9%
Net Performance Level ↗	3.6% [312]	20.0% [1,747]	16.4%
Net Meets+ *	4.1% [362]	12.5% [1,096]	8.4%

*Cohen's h = 0.314

- ■ Masters
- ■ Meets
- ■ Approaches
- ■ Did Not Meet

Students who collected 1,500+ puzzles outgrew their similarly matched comparison group in % Meeting standards by 8.4 percentage points and in % Mastering standards by 7.9 points. A net 20% of ST Math users increased by 1 or more Performance Levels.

High Usage Across 3 Years Nearly Eliminates "Did Not Meet"
"Did Not Meet" Performance Level Decreased to only 3.1% of students

Treatment: ≥1,000 Puzzles Per Year (3,000 Over 3 Years)
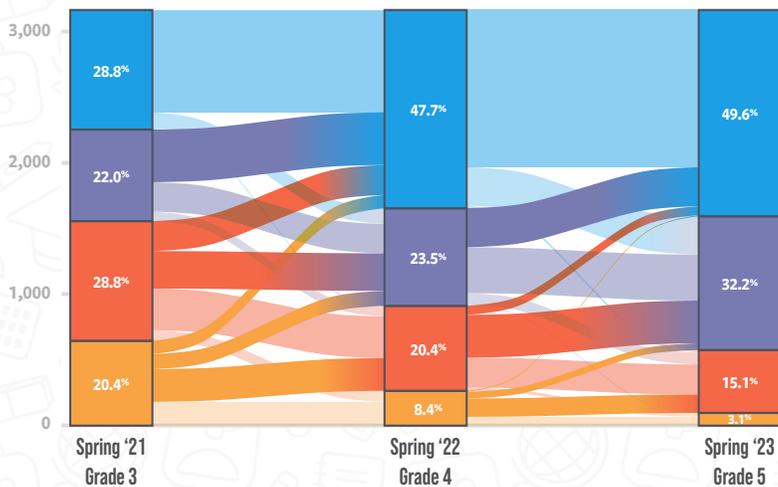
Change	Control	Treatment	Diff
Did Not Meet ↓	-12.0% [-380]	-17.3% [-548]	5.3%
Masters ↗	18.9% [598]	20.9% [659]	2.0%
Net Performance Level ↗	34.6% [1,092]	48.0% [1,516]	13.4%
Net Meets+ *	20.4% [644]	31.0% [980]	10.6%

*Cohen's h = 0.674

- ■ Masters
- ■ Meets
- ■ Approaches
- ■ Did Not Meet

Students who averaged 1,000+ puzzles peer year outgrew their similarly matched comparison group in % Meeting standards by 10.6 points.