



2023-24 STATEWIDE ASSESSMENT DATA OVERVIEW

Cedar Rose
Assessment Director
OPI

Putting Montana Students First **A+**

DATA OVERVIEW

- Statewide data release timeline
- Waived reporting for MAST Field Test participating schools
- Grades 3-8 math and ELA data
- Grade 11 math and ELA data
- Science data in grades 5, 8, and 11

DATA RELEASE TIMELINE

September 3, 2024

September 10, 2024



**Individual
Student Reports**



**District Embargo
(1 week)**



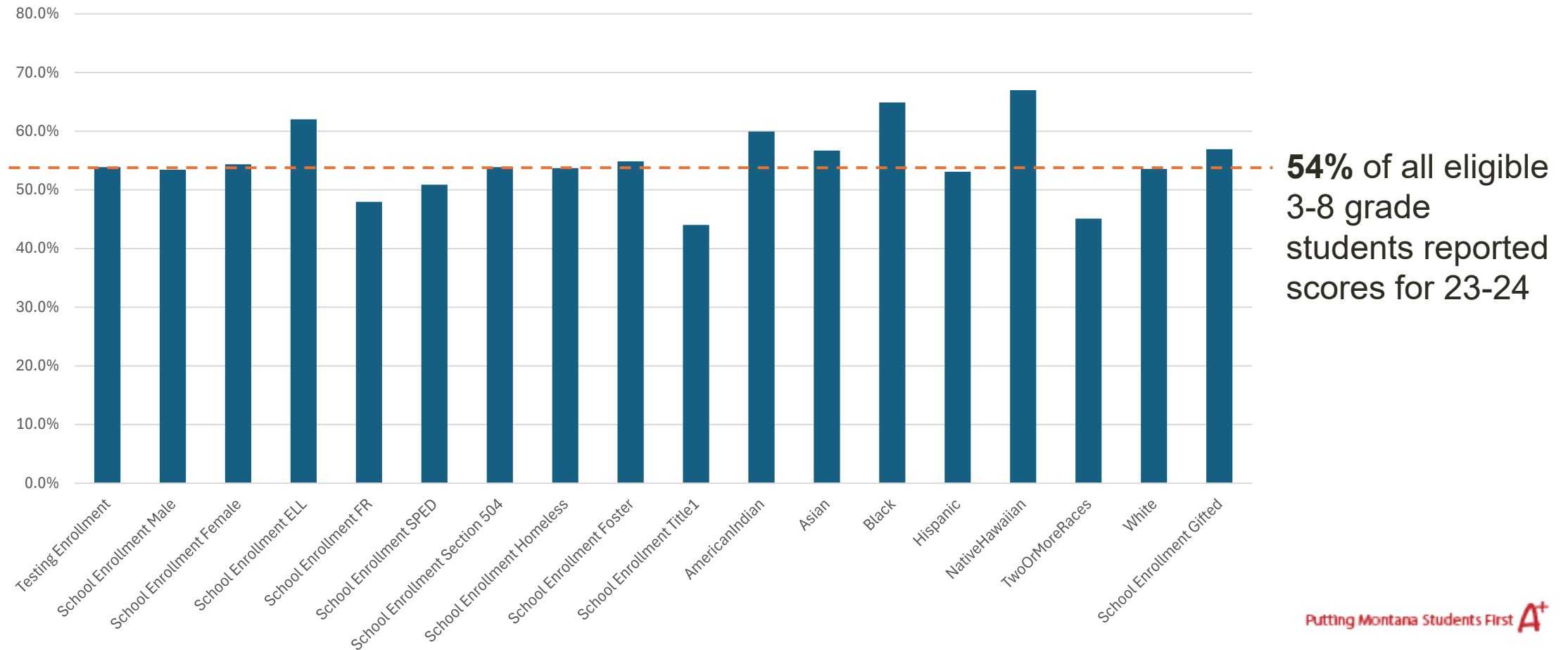
Public Access through GEMS

- **Media Release**
- **Education Interim Committee Report**
- **Board of Public Education Presentation**

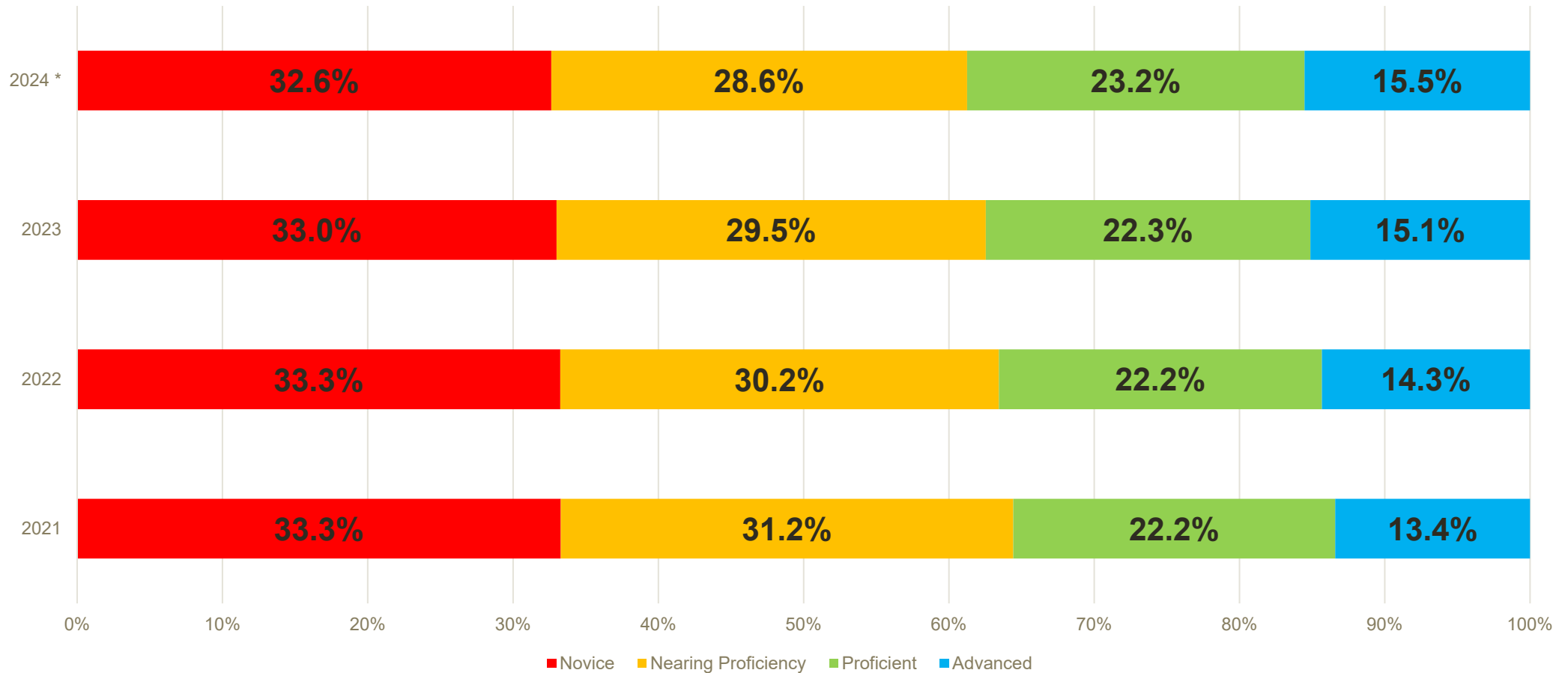
GRADES 3-8 MATH & ELA RESULTS

- Based on schools that did not participate in the MAST Pilot (218 schools)
- Approximately 54% (36,000 students) of the total 3-8 student population participated in math & ELA assessments (Smarter Balanced and MSAA)

2023-2024 REPORTED SCORES 3-8 MATH DEMOGRAPHICS



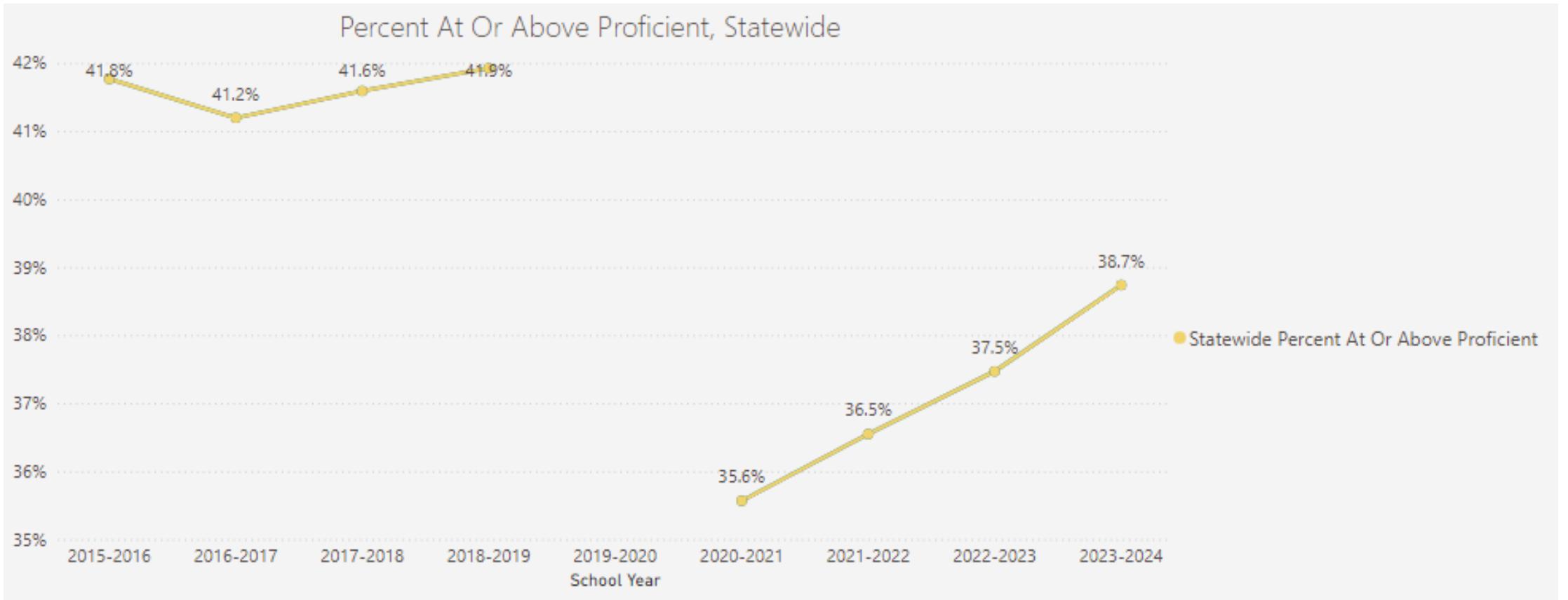
GRADES 3-8 MATH PROFICIENCY LEVELS



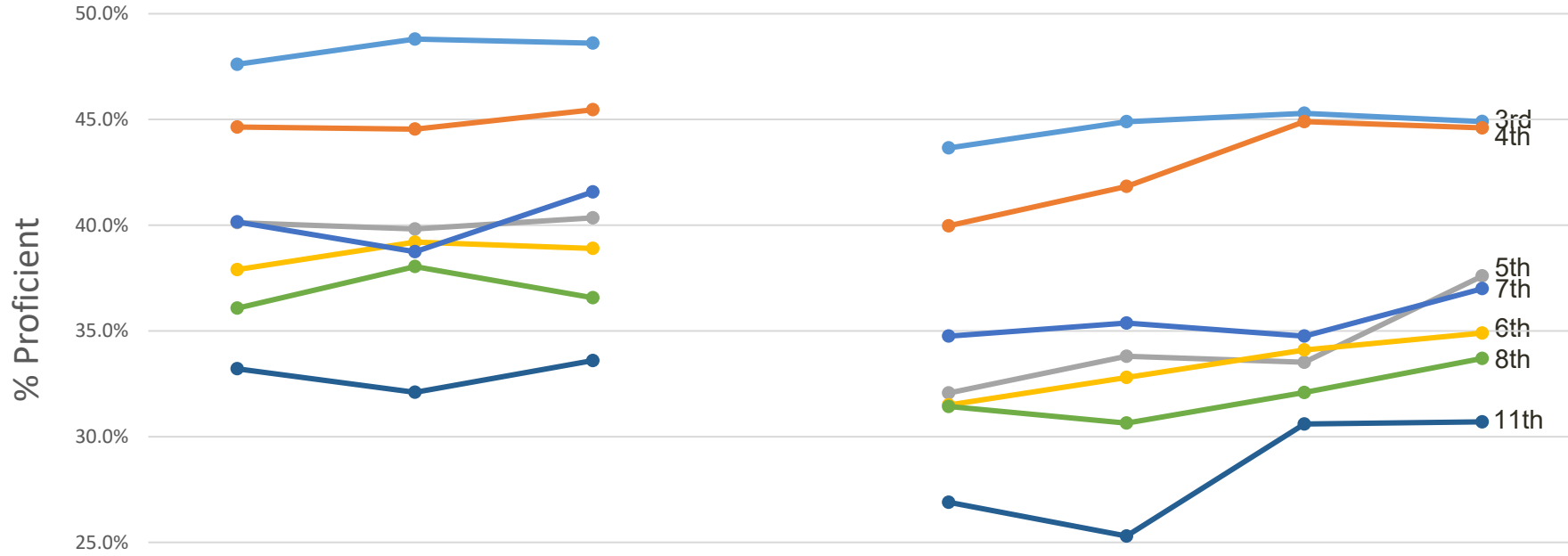
Note: some data may not sum to totals due to rounding rules and estimations.



GRADES 3-8 MATH PROFICIENCY TRENDS



Math Longitudinal Grade Level % of Students at or Above Proficient



	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
3rd	47.6%	48.8%	48.6%		43.7%	44.9%	45.3%	44.9%
4th	44.6%	44.5%	45.5%		40.0%	41.8%	44.9%	44.6%
5th	40.1%	39.8%	40.3%		32.1%	33.8%	33.5%	37.6%
6th	37.90%	39.20%	38.90%		31.50%	32.80%	34.10%	34.9%
7th	40.2%	38.7%	41.6%		34.8%	35.4%	34.8%	37.0%
8th	36.1%	38.0%	36.6%		31.4%	30.6%	32.1%	33.7%
11th	33.2%	32.1%	33.6%		26.9%	25.3%	30.6%	30.7%

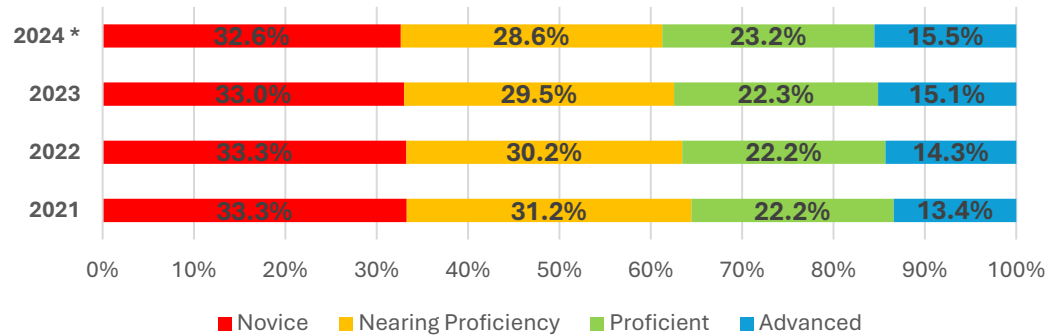
MATH COHORT DATA

Math Cohort	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Post-Pre Difference
Kinder										
1st										
2nd										
3rd	49.9%	47.6%	48.8%	48.6%		43.7%	44.9%	45.3%	44.9%	
4th	44.4%	44.6%	44.5%	45.5%		40.0%	41.8%	44.9%	44.6%	
5th	37.3%	40.1%	39.8%	40.3%		32.1%	33.8%	33.5%	37.6%	
6th	40.2%	37.9%	39.2%	38.9%		31.5%	32.8%	34.1%	34.9%	
7th	41.4%	40.2%	38.7%	41.6%		34.8%	35.4%	34.8%	37.0%	
8th	36.7%	36.1%	38.0%	36.6%		31.4%	30.6%	32.1%	33.7%	-14.9%
9th										
10th										
11th	36.2%	33.2%	32.1%	33.6%		26.9%	25.3%	30.6%	30.7%	-8.2%
8th to 11th Difference						-11.1%	-11.3%	-11.0%	-0.7%	

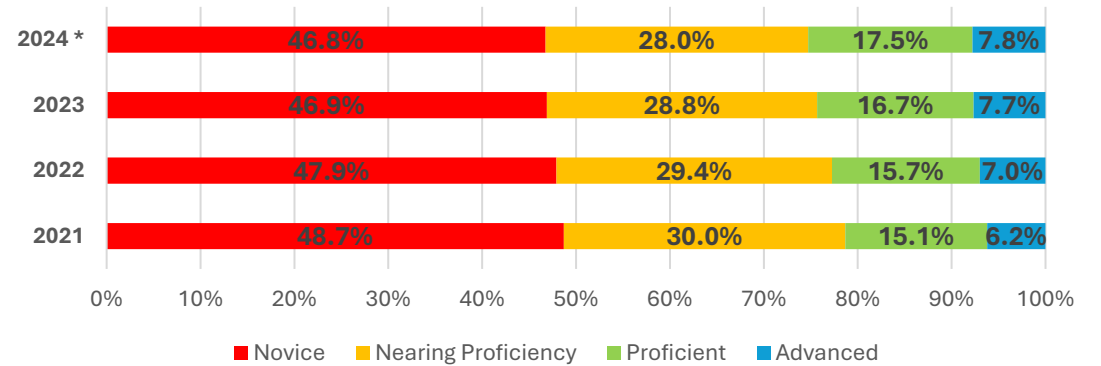


3-8 MATH SUBGROUP DATA

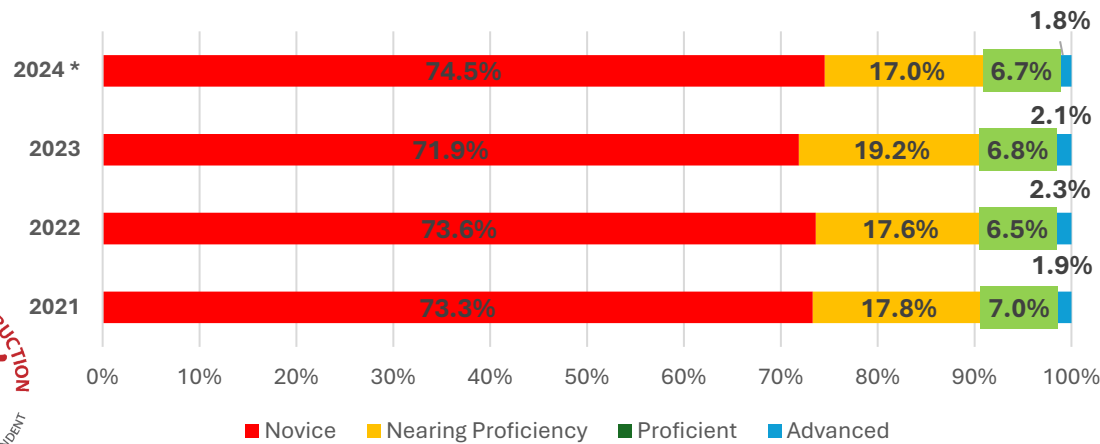
Statewide Proficiency



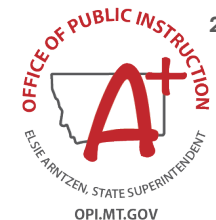
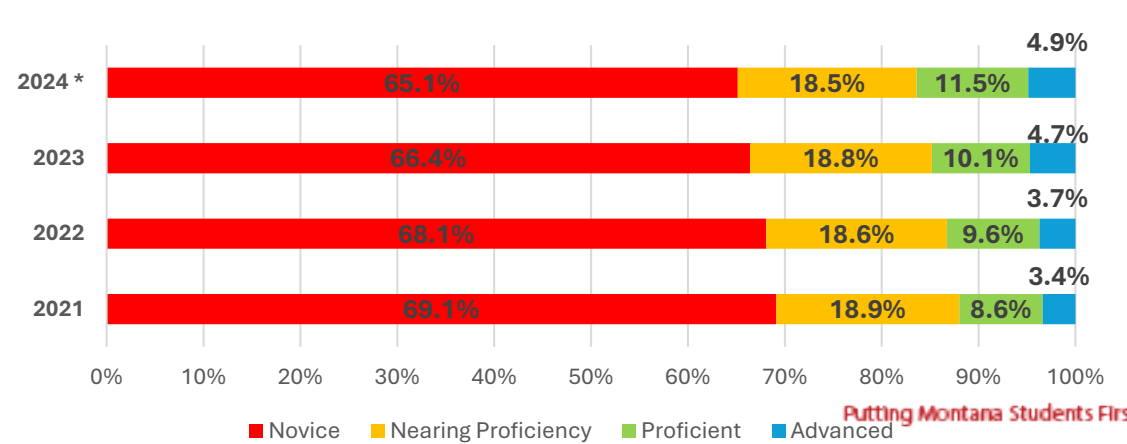
Economic Disadvantage



English Learner

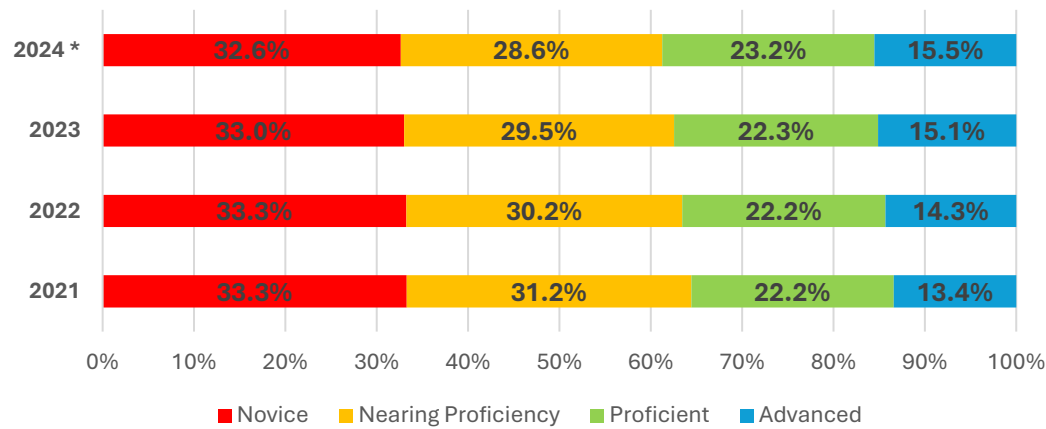


Special Education

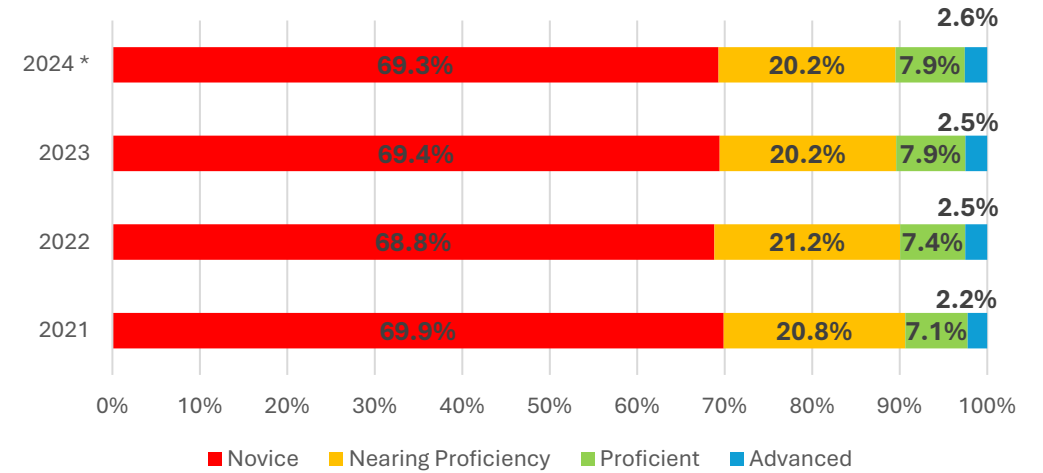


3-8 MATH SUBGROUP DATA

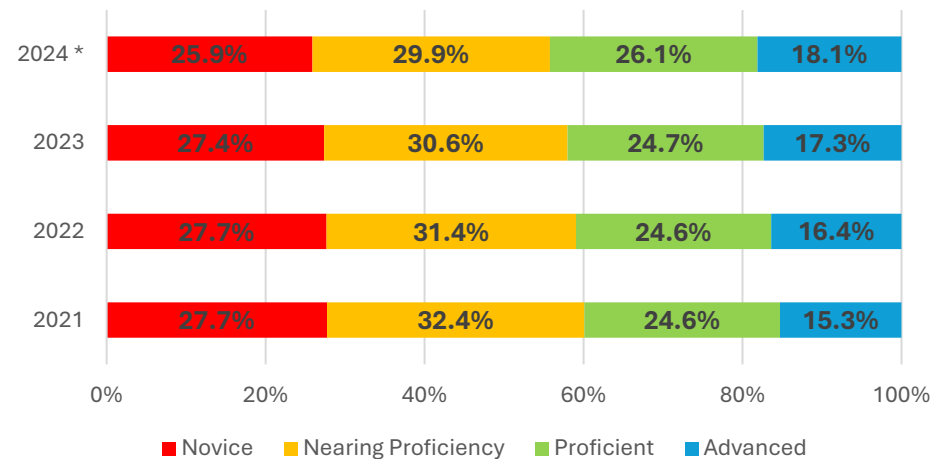
Statewide Proficiency



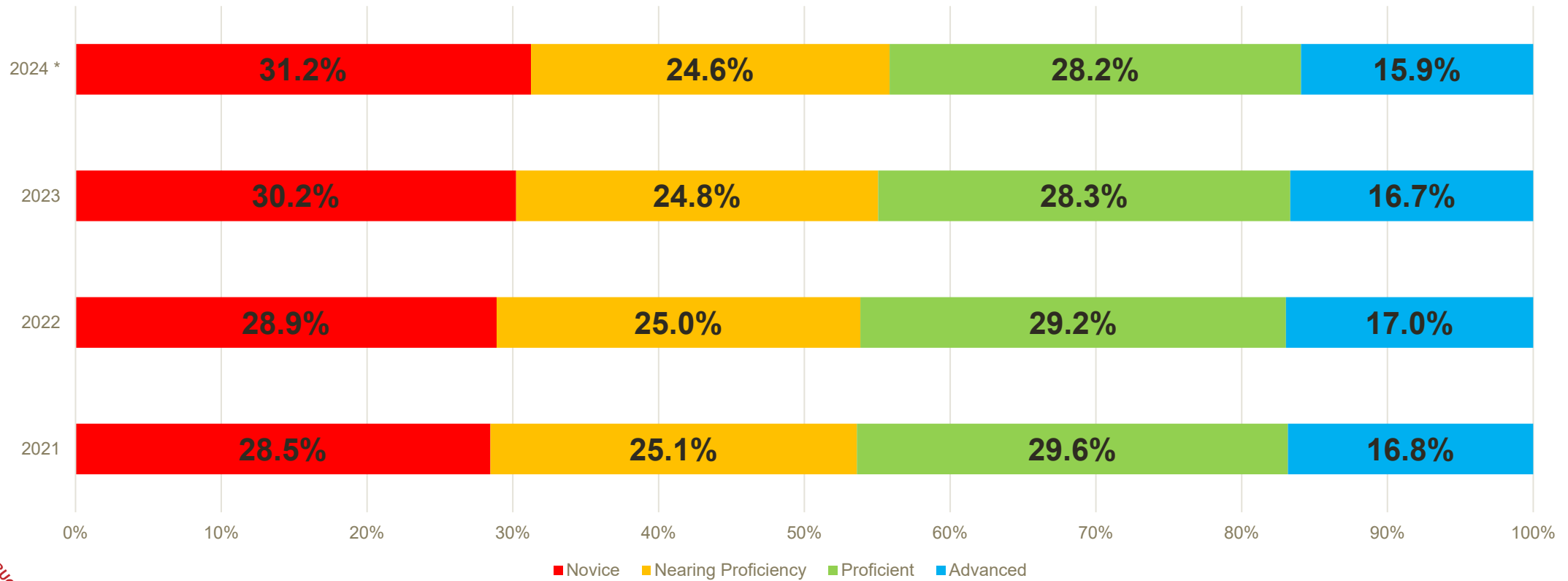
American Indian Students



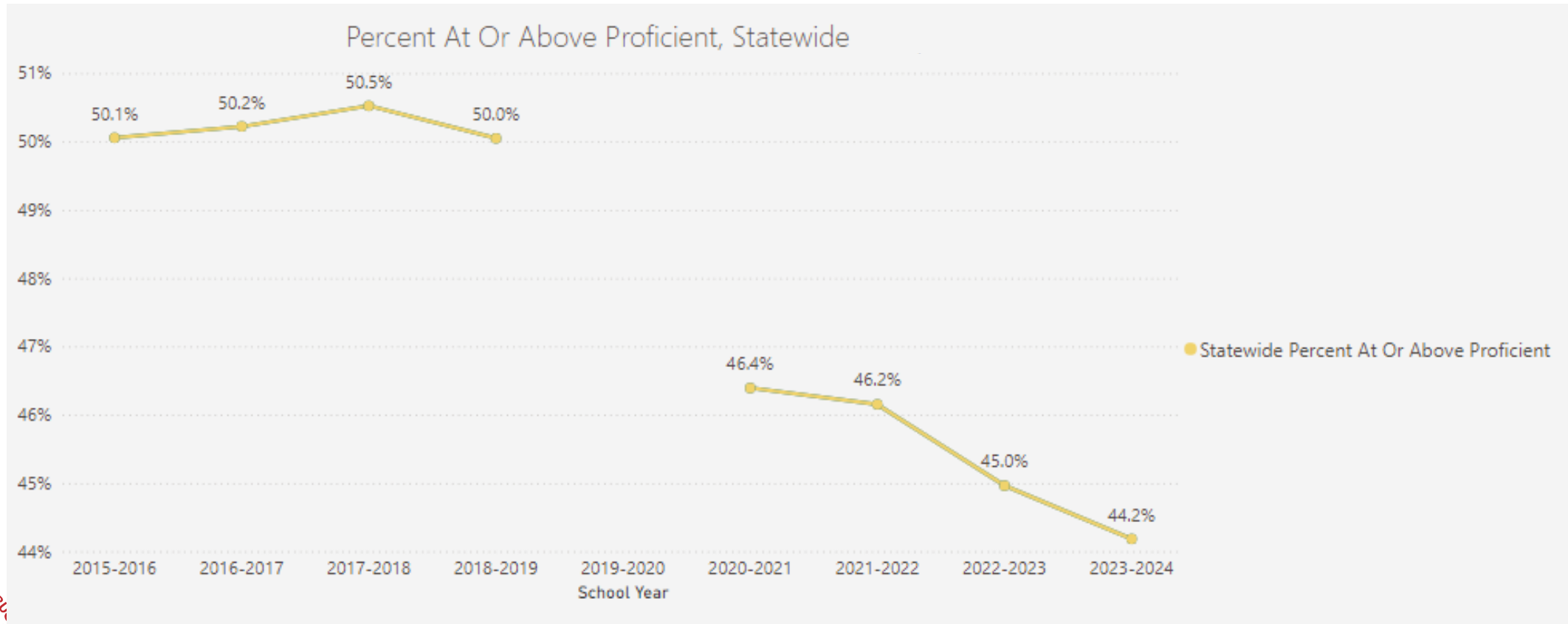
White Students



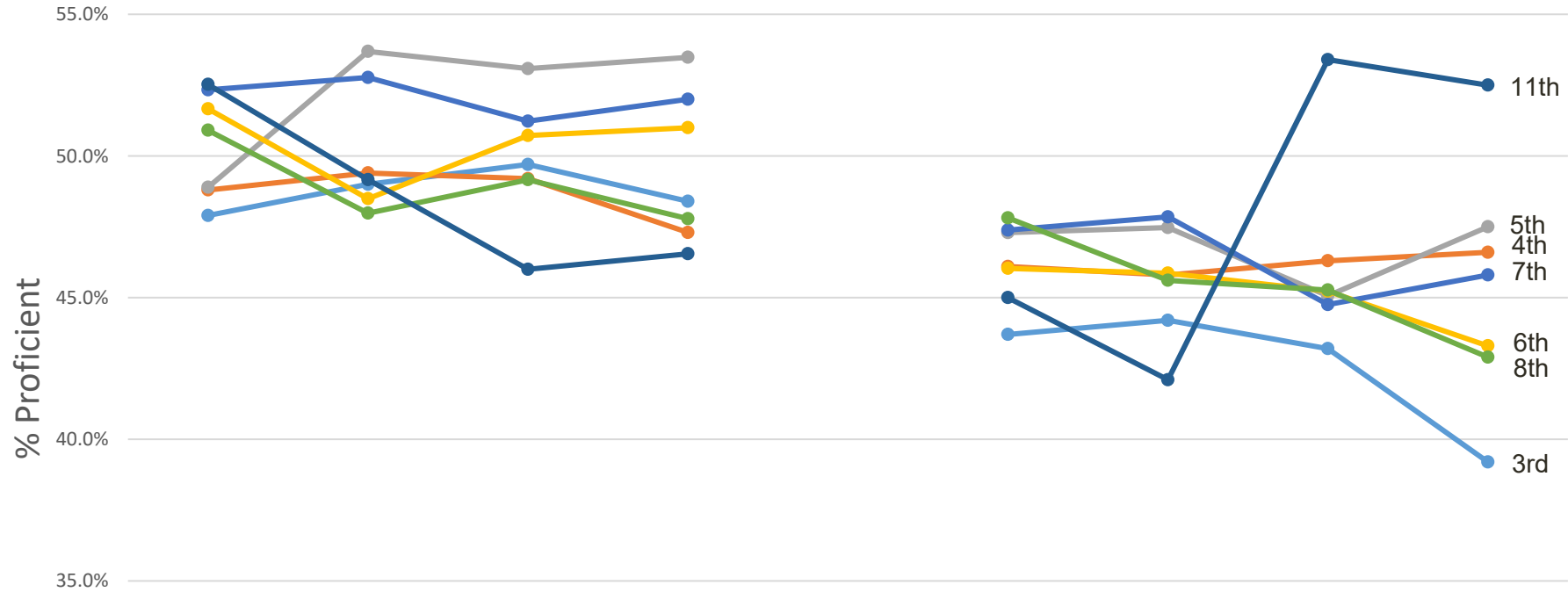
GRADES 3-8 ELA PROFICIENCY LEVELS



GRADES 3-8 ELA PROFICIENCY TRENDS



ELA Longitudinal Grade Level % of Students at or Above Proficient



	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
3rd	47.9%	49.0%	49.7%	48.4%		43.7%	44.2%	43.2%	39.2%
4th	48.8%	49.4%	49.2%	47.3%		46.1%	45.8%	46.3%	46.6%
5th	48.9%	53.7%	53.1%	53.5%		47.3%	47.5%	45.1%	47.5%
6th	51.7%	48.5%	50.7%	51.0%		46.0%	45.9%	45.2%	43.3%
7th	52.3%	52.8%	51.2%	52.0%		47.4%	47.9%	44.8%	45.8%
8th	50.9%	48.0%	49.2%	47.8%		47.8%	45.6%	45.3%	42.9%
11th	52.5%	49.2%	46.0%	46.5%		45.0%	42.1%	53.4%	52.5%



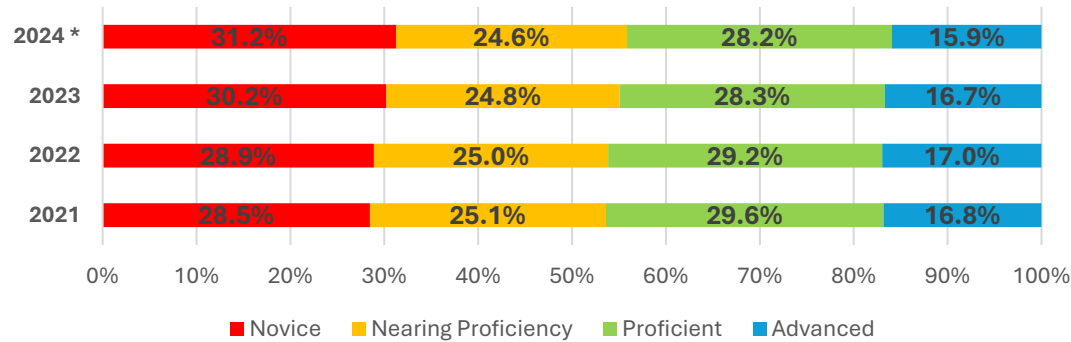
ELA COHORT DATA

ELA Cohort	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Post-Pre Difference
Kinder										
1st										
2nd										
3rd	47.9%	49.0%	49.7%	48.4%		43.7%	44.2%	43.2%	39.2%	
4th	48.8%	49.4%	49.2%	47.3%		46.1%	45.8%	46.3%	46.6%	
5th	48.9%	53.7%	53.1%	53.5%		47.3%	47.5%	45.1%	47.5%	
6th	51.7%	48.5%	50.7%	51.0%		46.0%	45.9%	45.2%	43.3%	
7th	52.3%	52.8%	51.2%	52.0%		47.4%	47.9%	44.8%	45.8%	
8th	50.9%	48.0%	49.2%	47.8%		47.8%	45.6%	45.3%	42.9%	-5.5%
9th										
10th										
11th	52.5%	49.2%	46.0%	46.5%		45.0%	42.1%	53.4%	52.5%	1.5%
8th to 11th Difference						-4.2%	-5.7%	1.4%	4.7%	

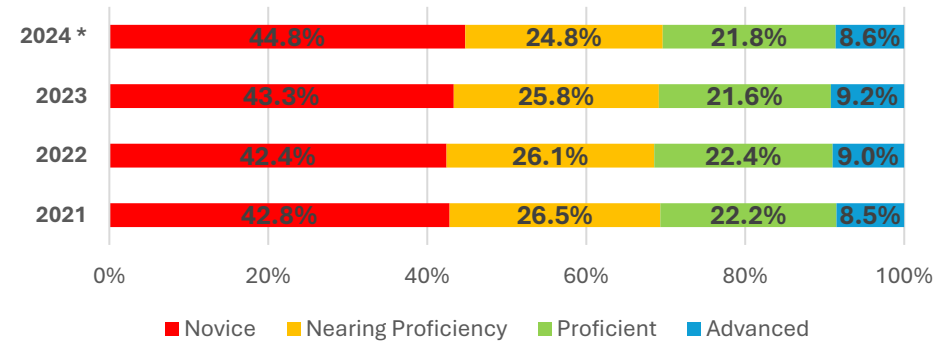


3-8 ELA SUBGROUP DATA

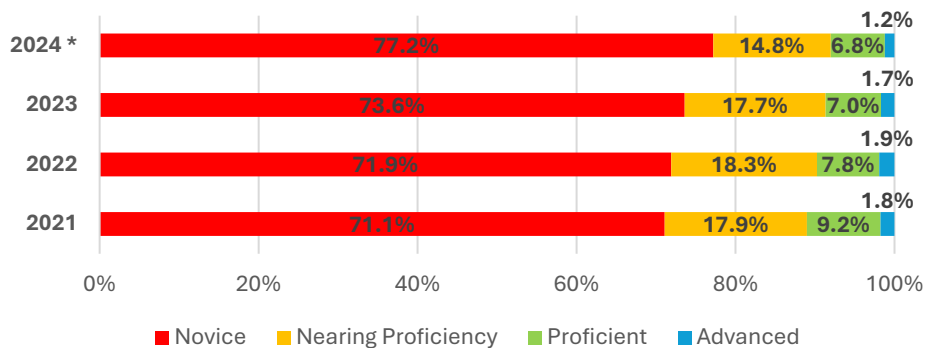
Statewide Proficiency



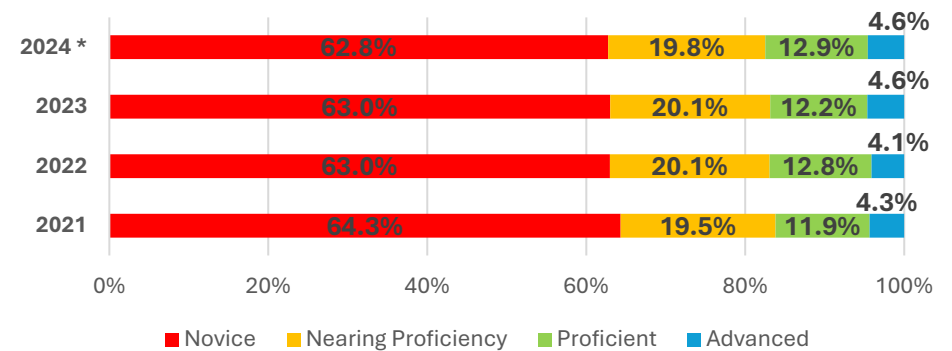
Economic Disadvantage



English Learner

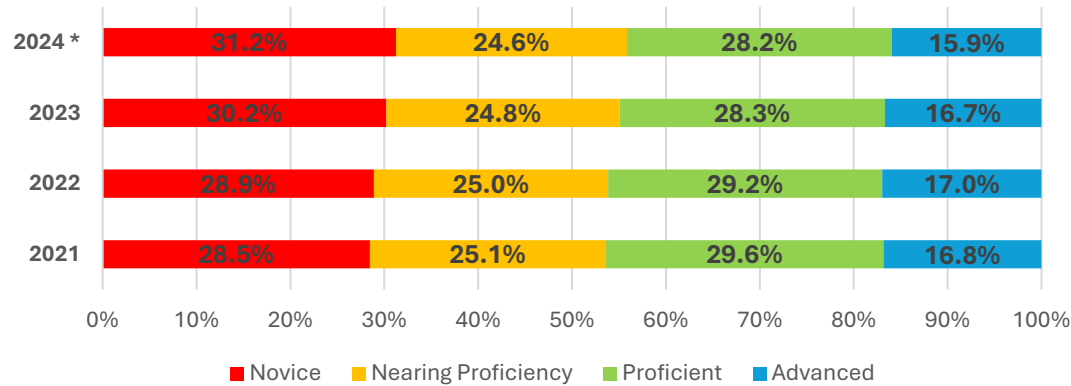


Special Education

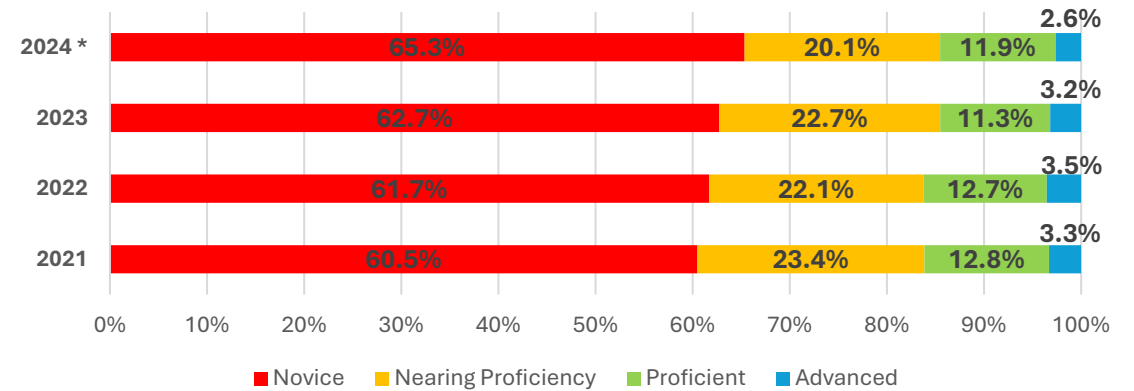


3-8 ELA SUBGROUP DATA

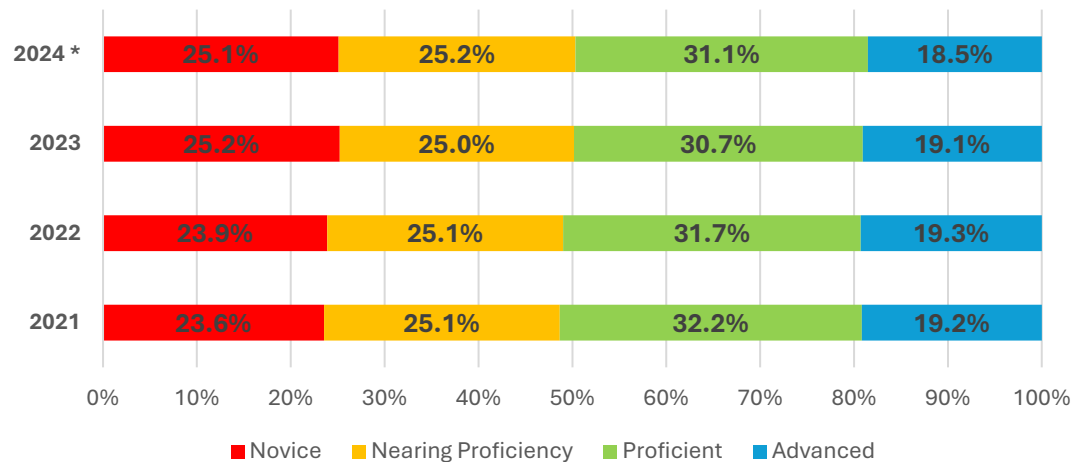
Statewide Proficiency



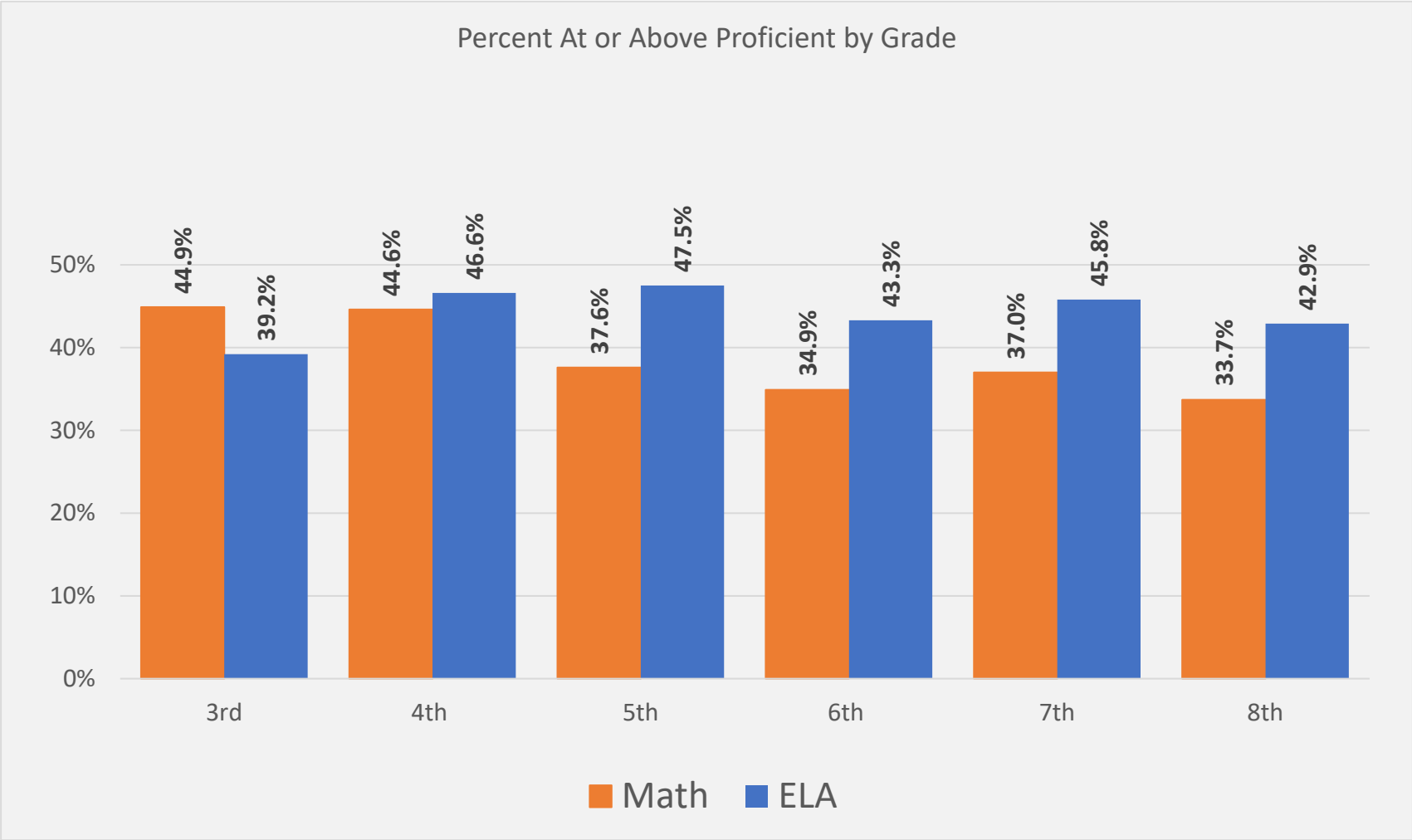
American Indian Students



White Students



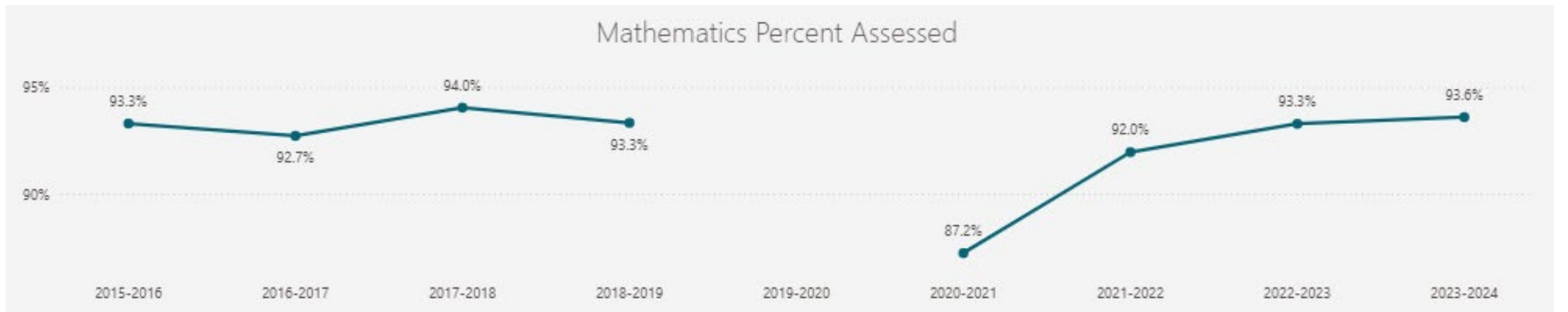
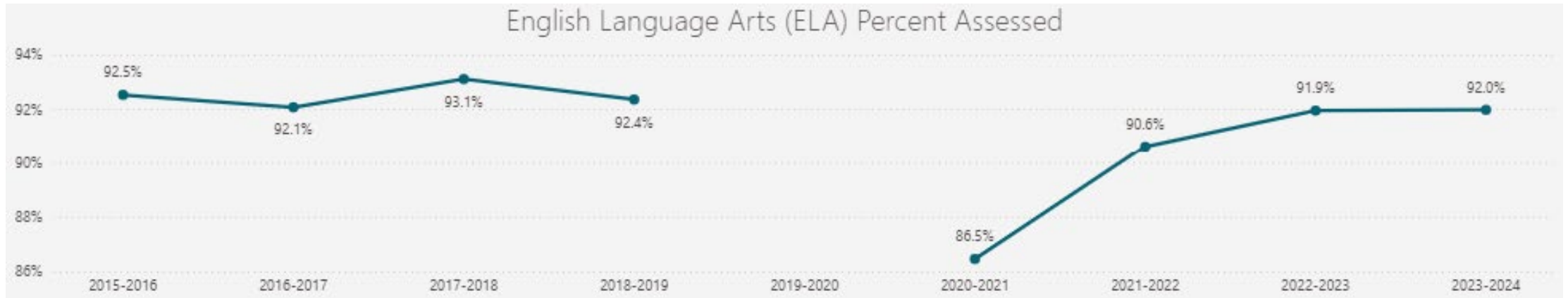
MATH AND ELA PROFICIENCY BY GRADE LEVEL



GRADES 3-8 MATH/ELA KEY POINTS

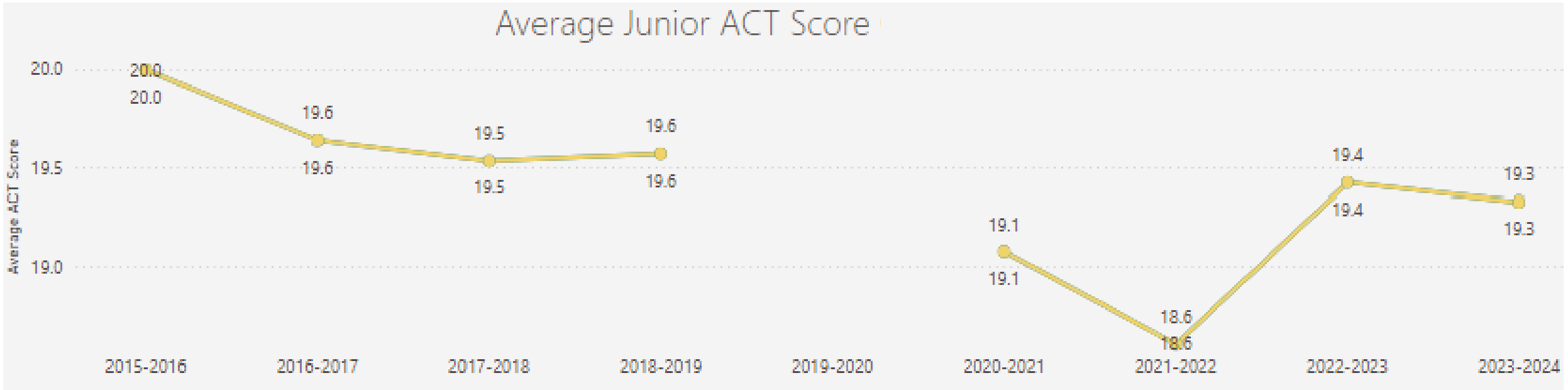
- While almost half of students participated in the MAST Pilot, trends from previous years in math (increase) and ELA (decrease) are continued
 - Some subgroups (economic disadvantage, special education) are showing growth in math, while English learners and American Indian student math performance is well below the average student proficiency rates and growth is stagnant
- Math proficiency levels generally decrease as students progress through grades
- ELA proficiency levels remain largely consistent across most grade levels
 - 3rd grade is lower than typical post-pandemic performance (kindergarteners in the school year following Covid-early learning disruption)

11TH GRADE PARTICIPATION TRENDS

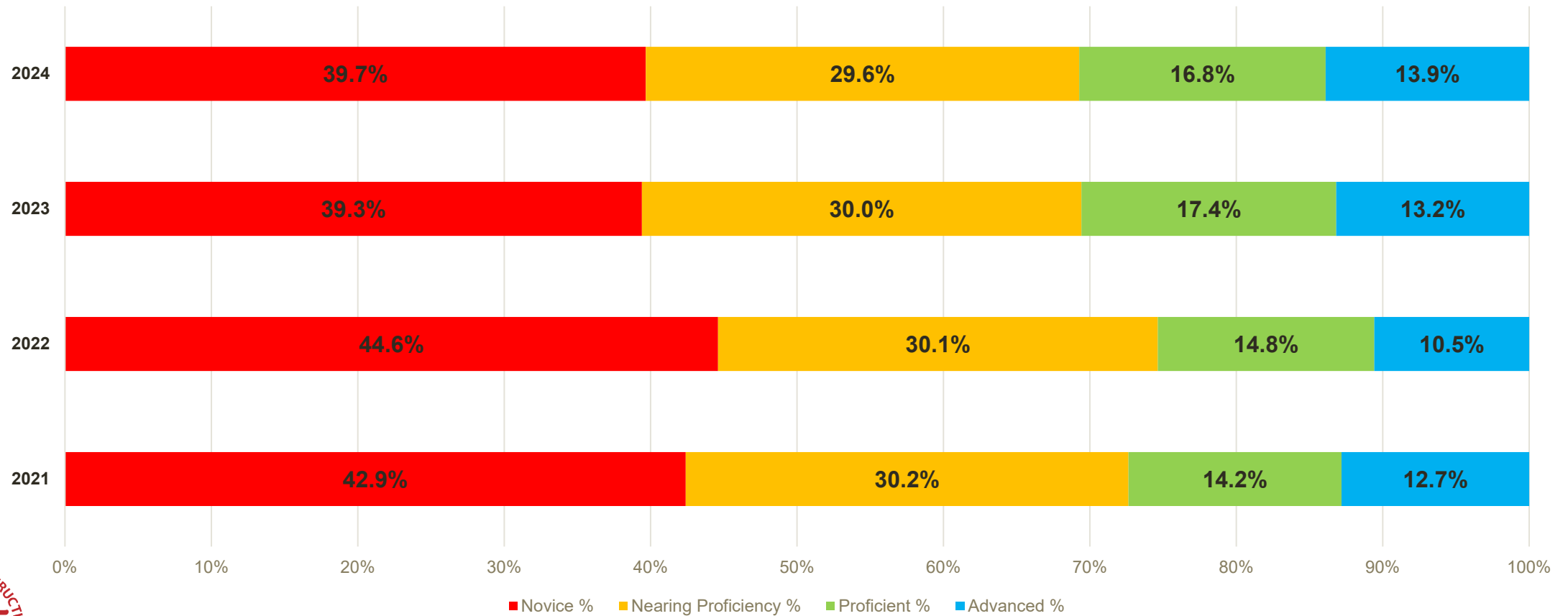


ACT COMPOSITE SCORE TREND

Average Junior ACT Score

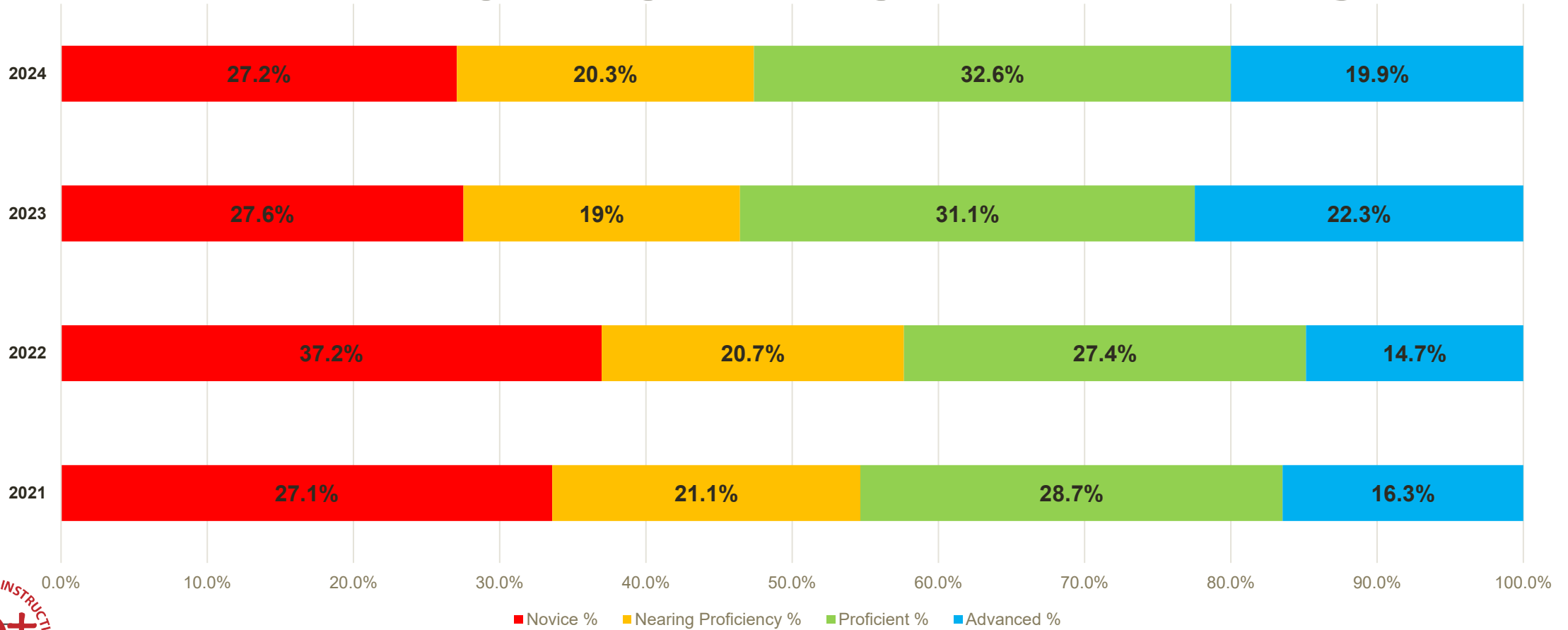


11TH GRADE MATH PROFICIENCY LEVELS



Note: some data may not sum to totals due to rounding rules and estimations.

11TH GRADE ELA PROFICIENCY LEVELS



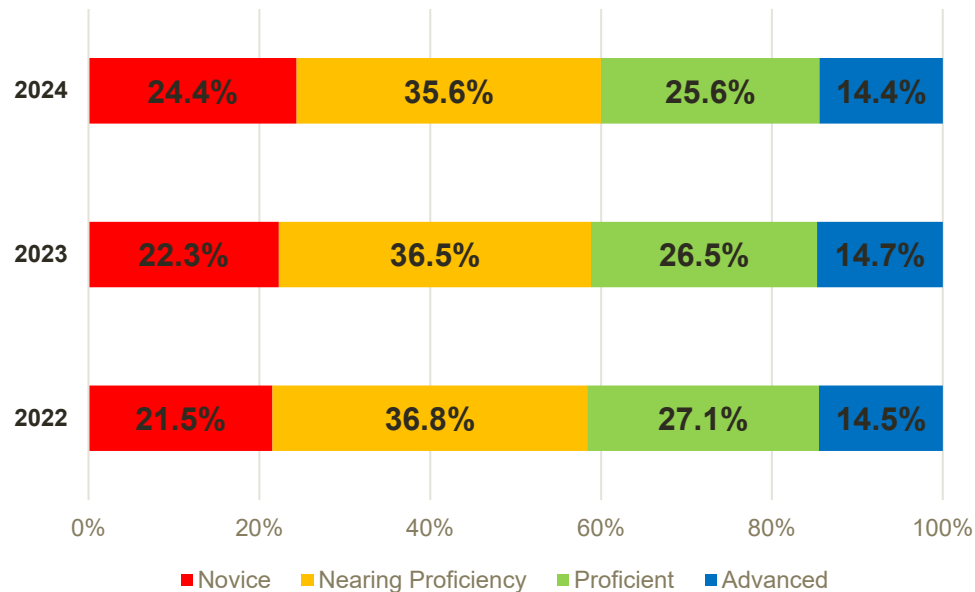
Note: some data may not sum to totals due to rounding rules and estimations.

HS MATH & ELA KEY POINTS

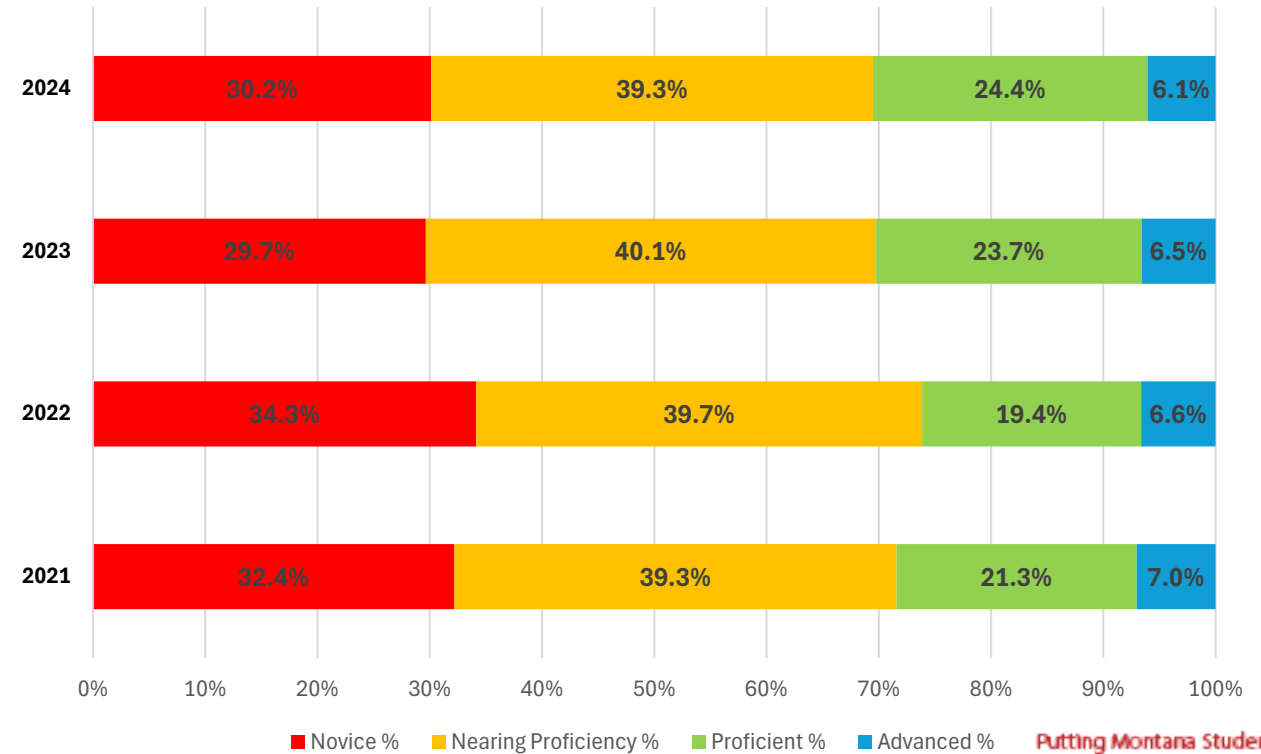
- Marginal decrease in overall ACT composite score due to slight decrease in ELA proficiency
- Consistent math proficiency level compared to last year

SCIENCE PROFICIENCY GRADES 5, 8, AND 11TH GRADE

Grades 5 & 8 Science (MSA & AMSA)



11th Grade



Note: some data may not sum to totals due to rounding rules and estimations.

GEMS.OPI.MT.GOV/STUDENT-DATA



Learn about students in
Montana schools

Interactive Dashboards

Student Achievement & Performance

- ▶ College Readiness
- ▶ Graduation and Dropout
- ▶ Math, ELA, and Science Assessments Dashboard (Grade High School)
- ▶ Math and ELA Assessments Dashboard (Grades 3-8)
- ▶ Montana Science Assessments Dashboard (Grades 5 & 8)



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CONTACT

Cedar Rose, Assessment Director OPI

cedar.rose@mt.gov

