



Expect
More.

MCA/MTAS Data Dive

Secondary 2023-2024

Presented to the school board
Oct. 22, 2024

Grounding

- The MCA assessments are designed to measure achievement towards meeting the Minnesota Academic Standards
- These results should be used at a summarized level (district, school, grade, student group) to examine student access to rigorous, standards-based content
- These results are one piece of our district's assessment system, and cannot be used in isolation from other data sources

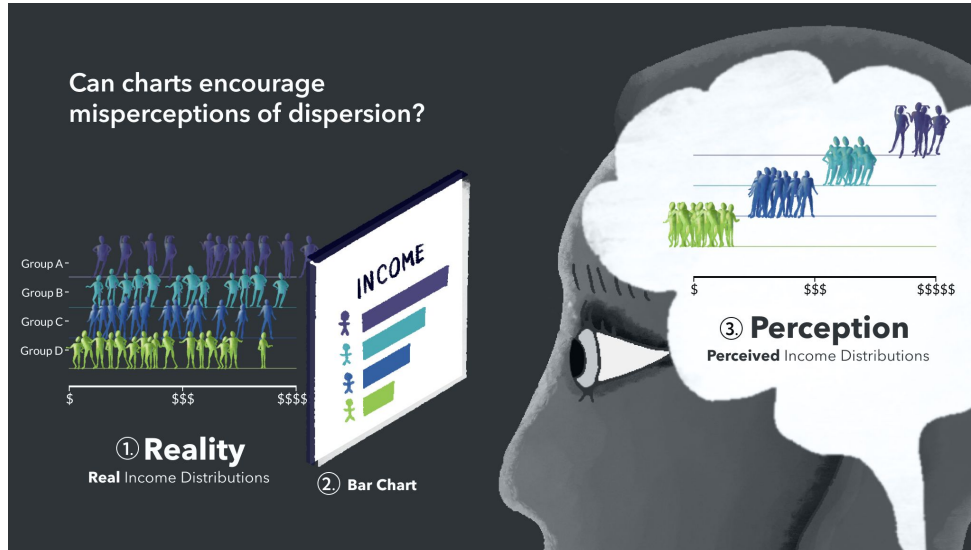
Potential Uses

- Evaluate curriculum
- Align instruction to standards
- Evaluate equity between groups



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Notes to Remember



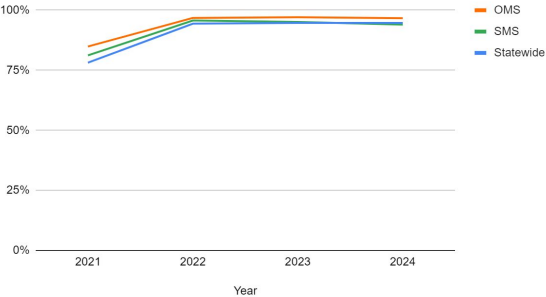
- The MCA content is different at each grade, based on grade level standards – this means we compare proficiency and achievement levels instead of scale or average scores
- When comparing groups, remember that these are summaries of proficiency rather than distributions



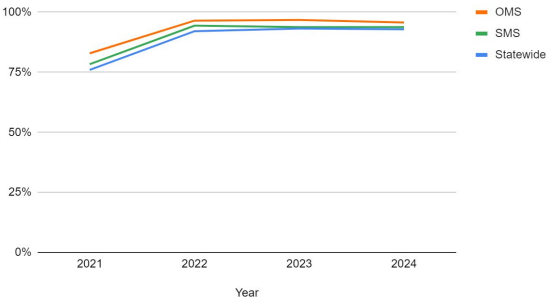
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Participation Rates - Middle Schools

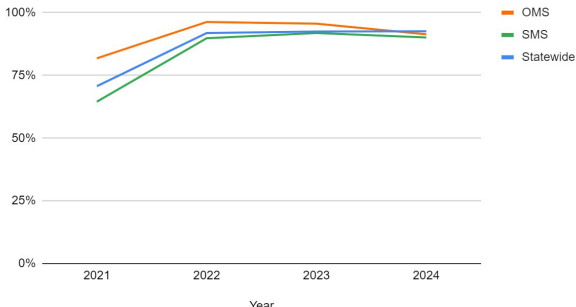
Reading Participation (MS)



Math Participation (MS)



Science Participation (Grade 8)



Reading: 95%

Math: 95%

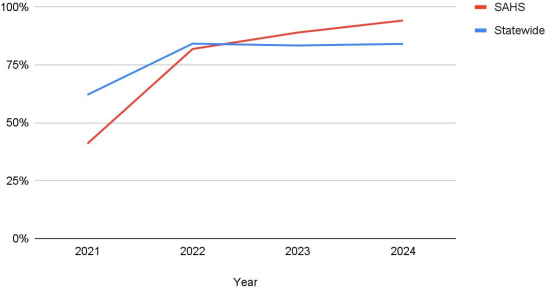
Science: 91%



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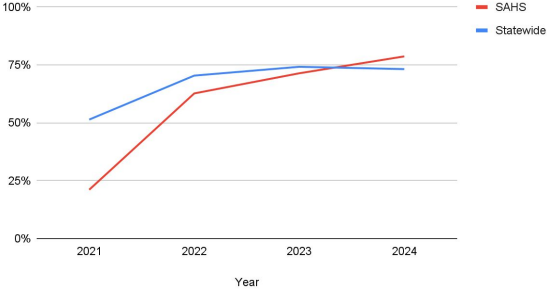
Participation Rates - SAHS

Reading Participation (Grade 10)



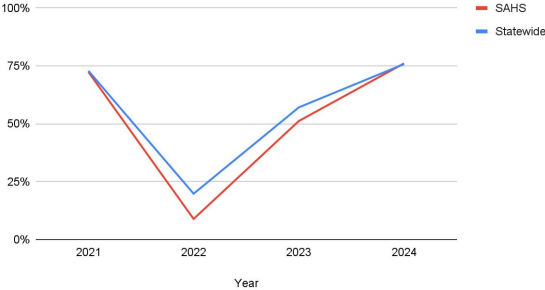
Reading: 94%

Math Participation (Grade 11)



Math: 79%

Science Participation (HS - Biology)



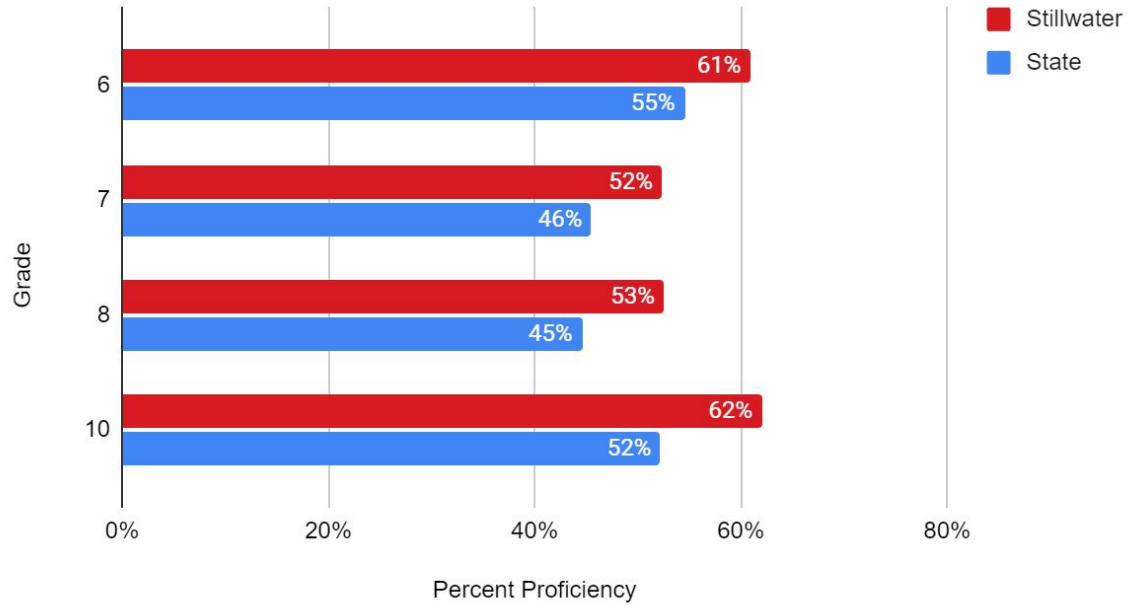
Science: 76%



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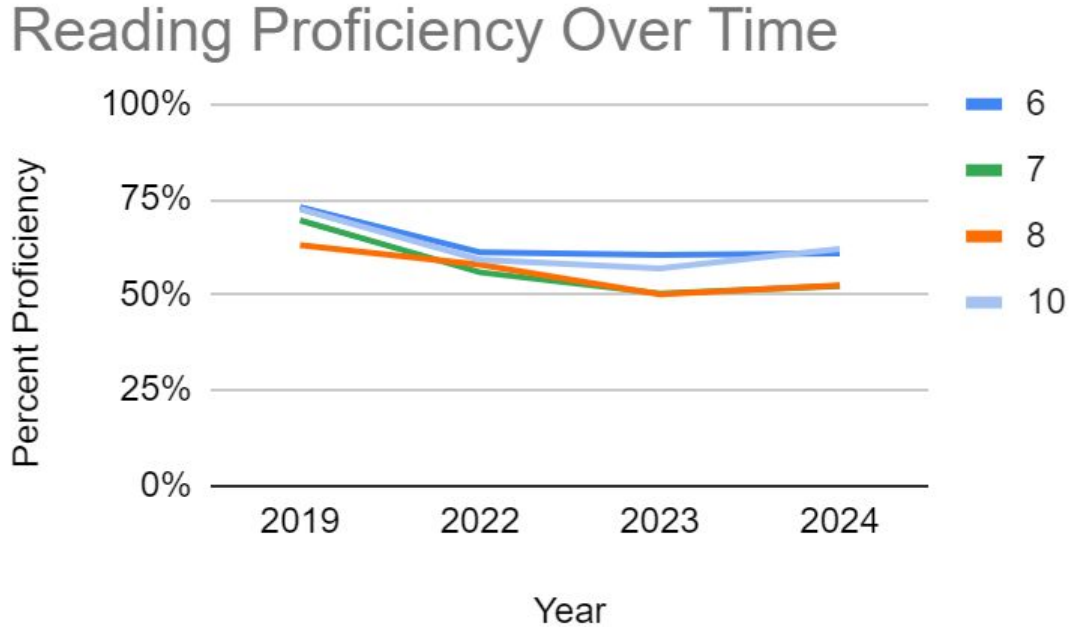
MCA /MTAS Reading by Grade

Reading Proficiency by Grade



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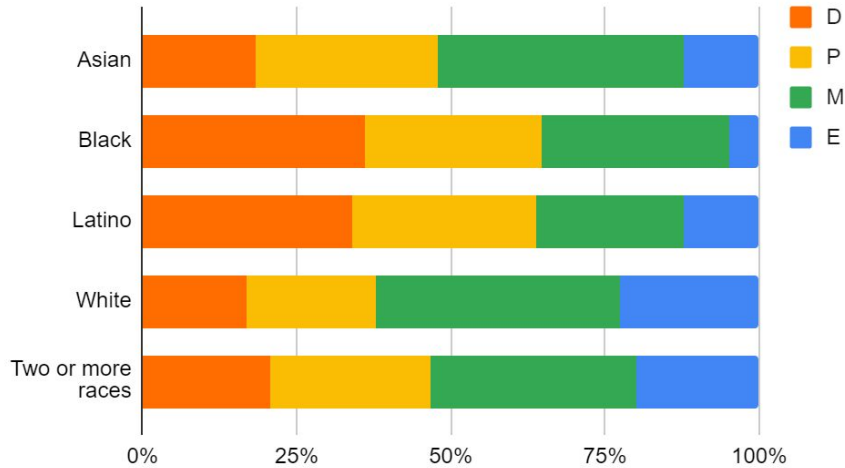
MCA/MTAS Reading by Grade Trend



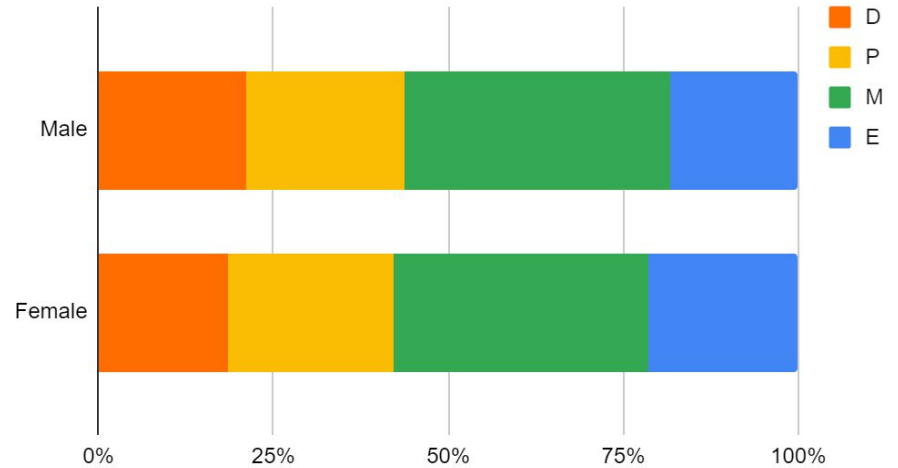
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MCA Reading by Student Group

Reading Achievement Level Distribution by Race



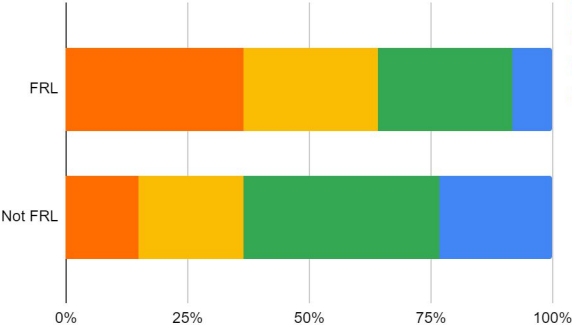
Reading Achievement Level Distribution by Gender



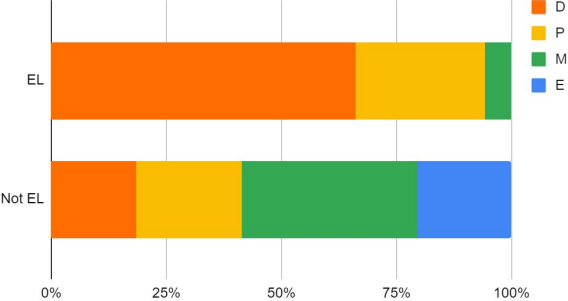
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MCA Reading by Student Group

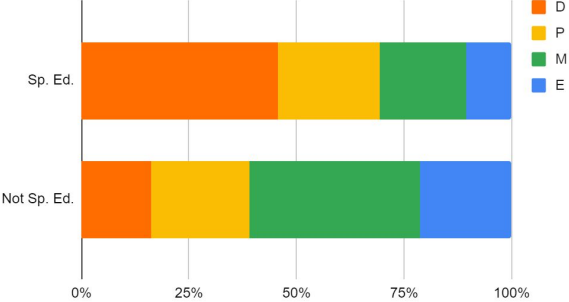
Reading Achievement Level Distribution by FRL



Reading Achievement Level Distribution by EL



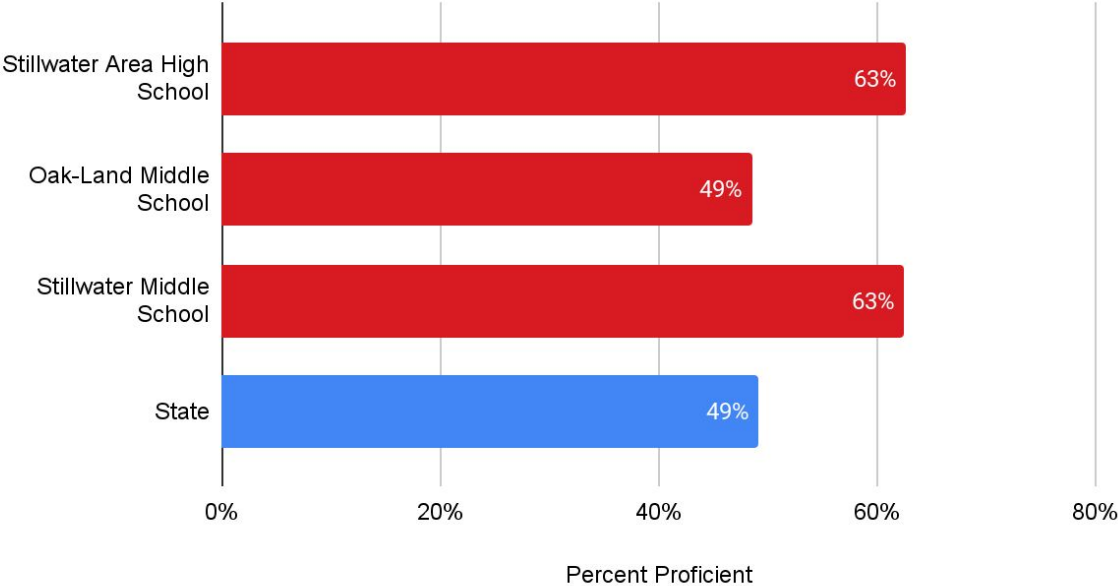
Reading Achievement Level Distribution by SPED



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MCA Reading by School

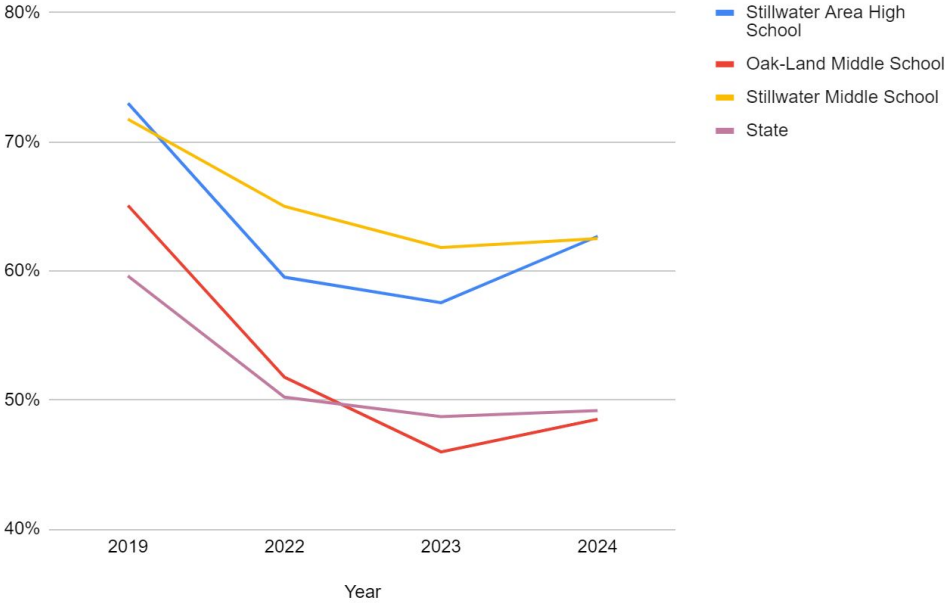
MCA/MTAS Reading



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MCA Reading by School Trend

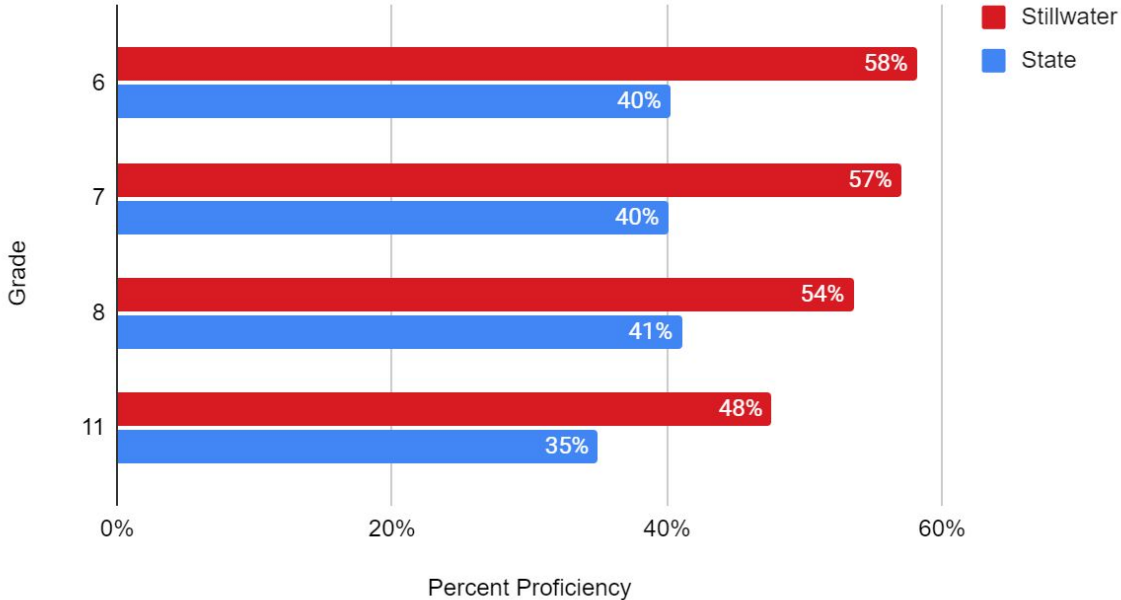
MCA/MTAS Reading Over Time



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MCA /MTAS Math by Grade

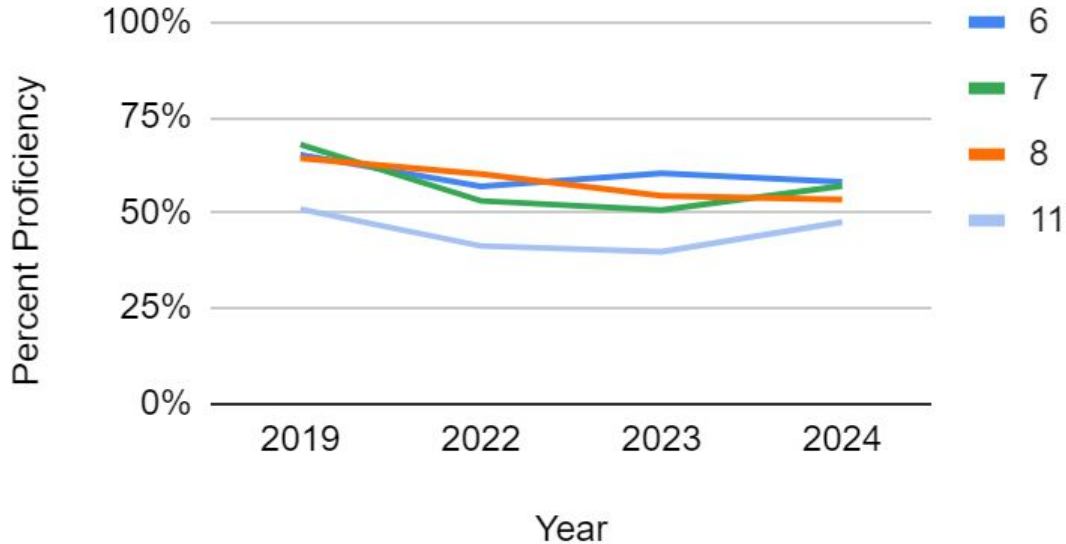
Math Proficiency by Grade



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MCA/MTAS Math by Grade Trend

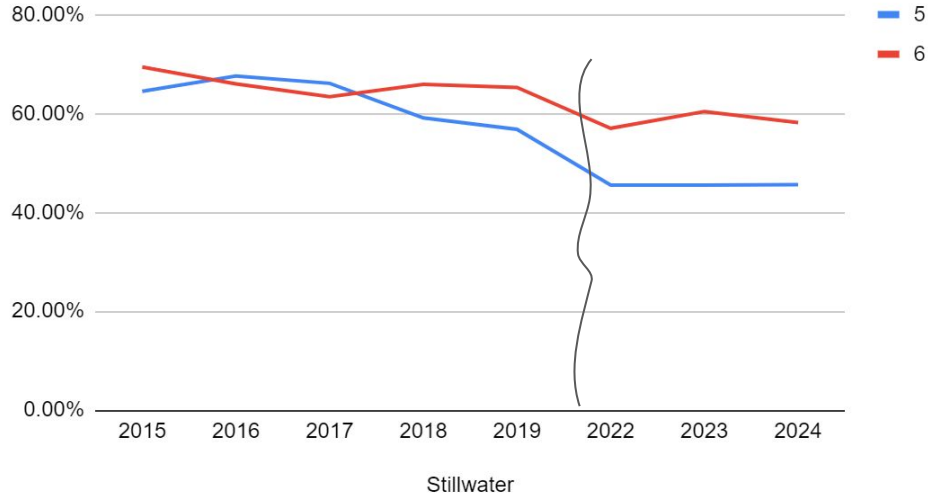
Math Proficiency Over Time



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Grade 5 to Grade 6 Math Continuity

5th and 6th Math Proficiency Over Time



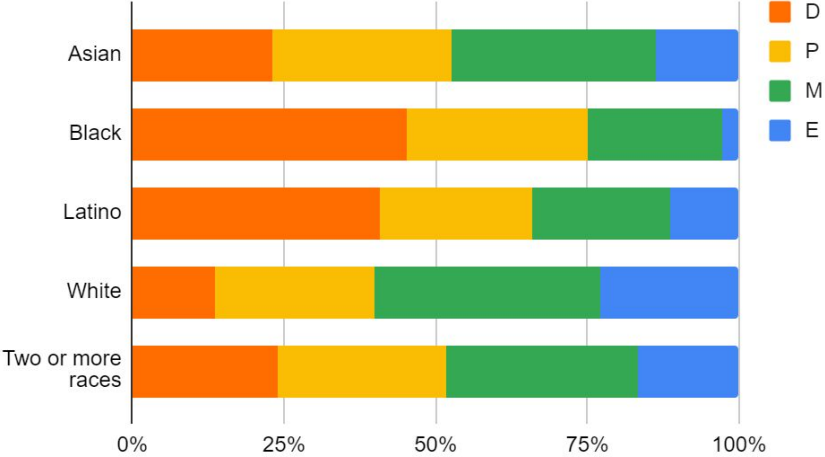
Math	Stillwater	2015	2016	2017	2018	2019	2022	2023	2024
Stillwater	5	64.50%	67.60%	66.10%	59.10%	56.81%	45.52%	45.53%	45.61%
Stillwater	6	69.40%	66.00%	63.40%	65.90%	65.28%	57.01%	60.41%	58.18%



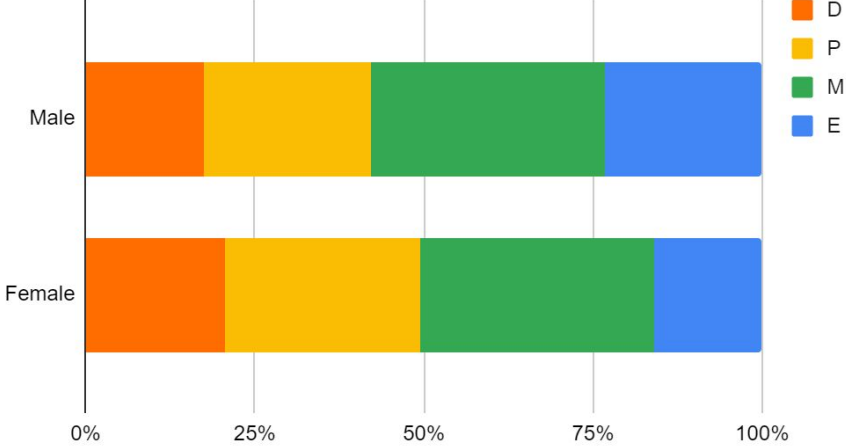
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MCA Math by Student Group

Math Achievement Level Distribution by Race



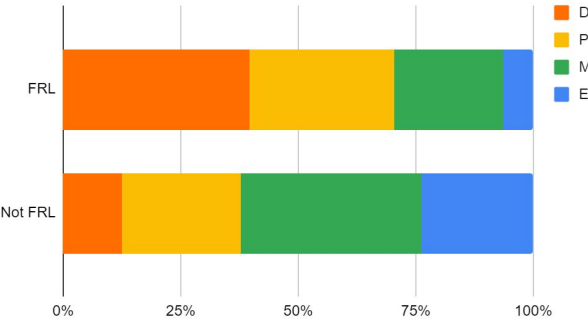
Math Achievement Level Distribution by Gender



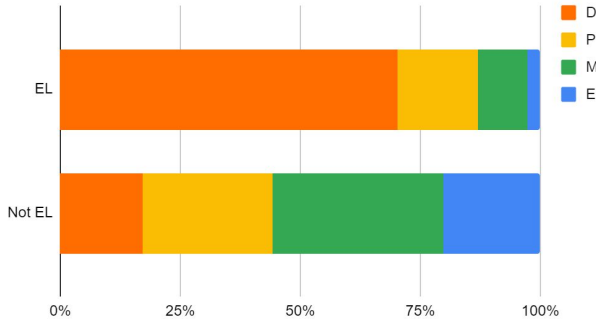
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MCA Math by Student Group

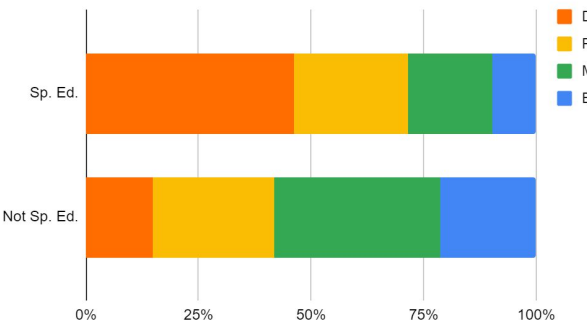
Math Achievement Level Distribution by FRL



Math Achievement Level Distribution by EL



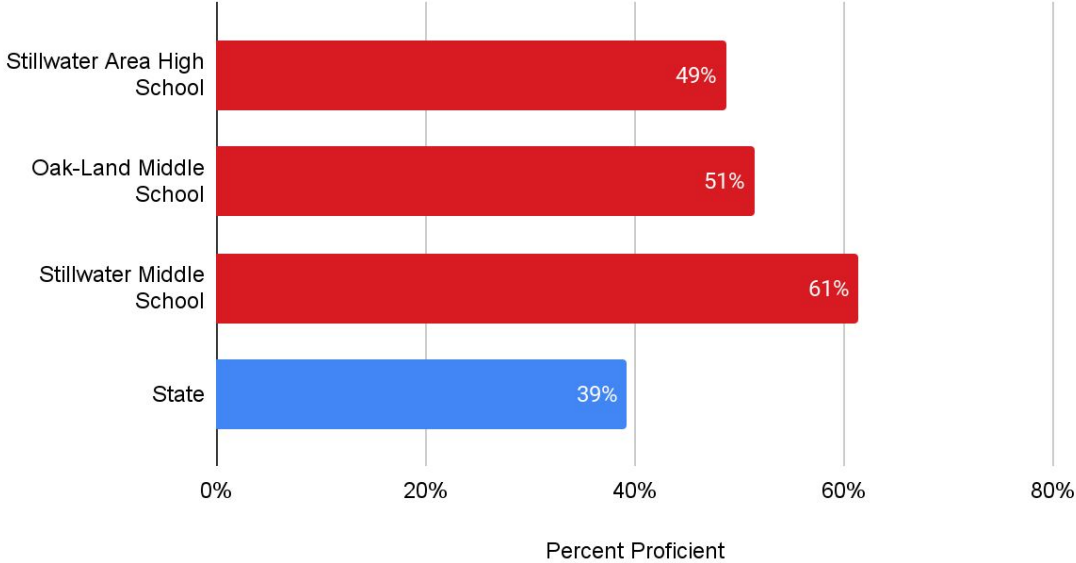
Math Achievement Level Distribution by SPED



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MCA Math by School

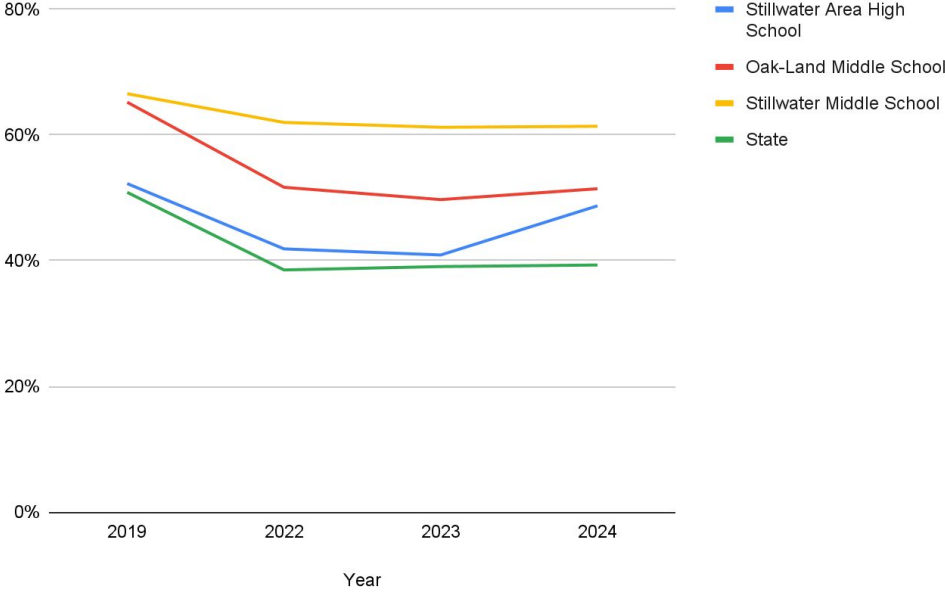
MCA/MTAS Math Proficiency



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MCA Math by School Trend

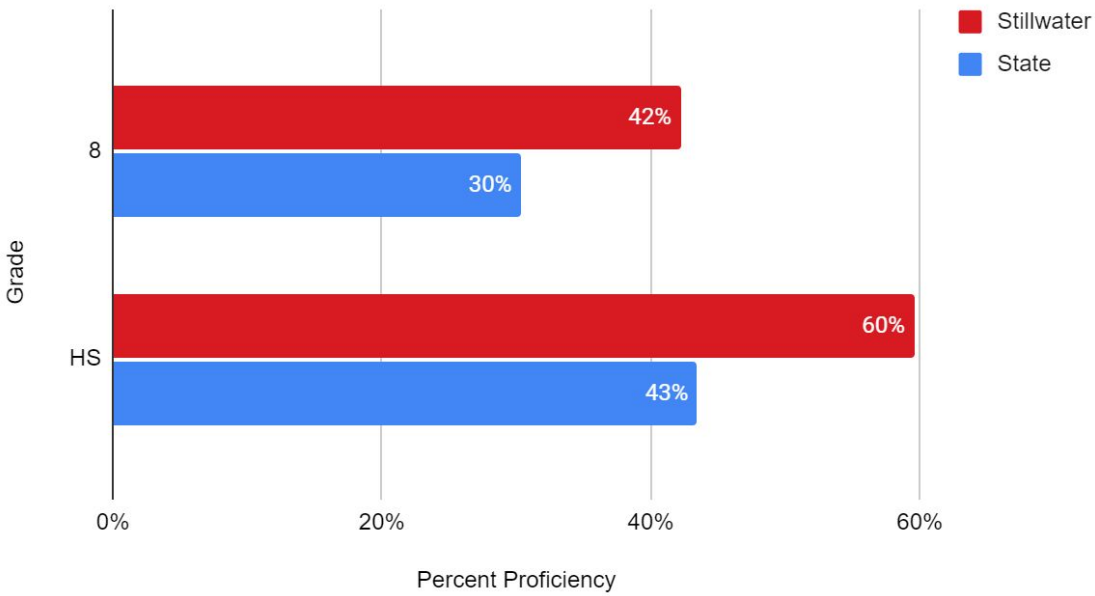
MCA/MTAS Math Over Time



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MCA /MTAS Science by Grade

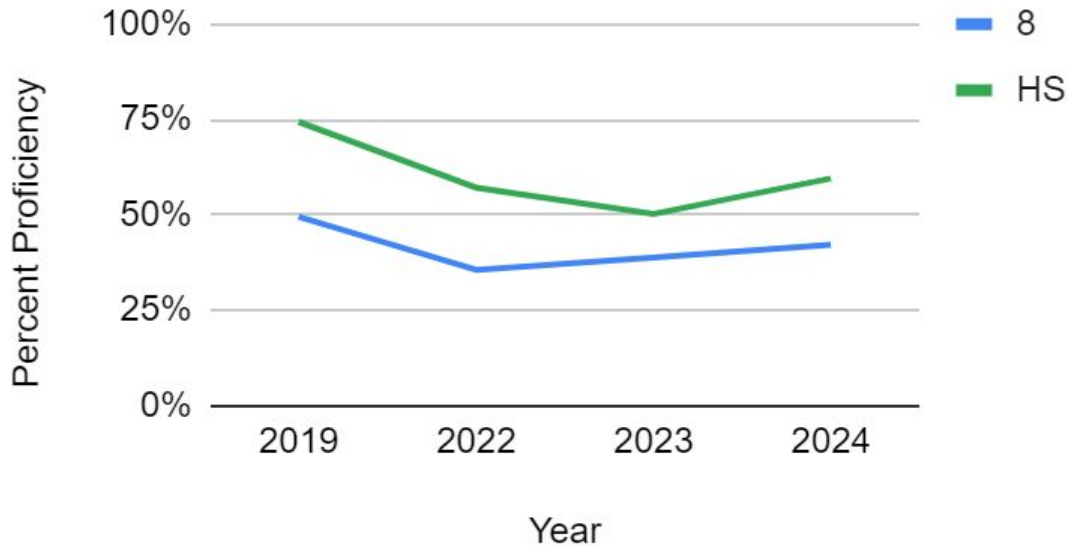
Science Proficiency by Grade



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MCA/MTAS Science by Grade Trend

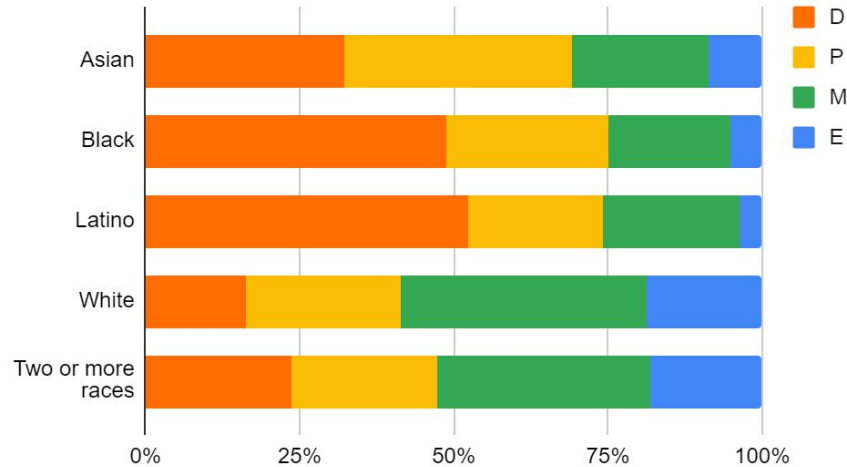
Science Proficiency Over Time



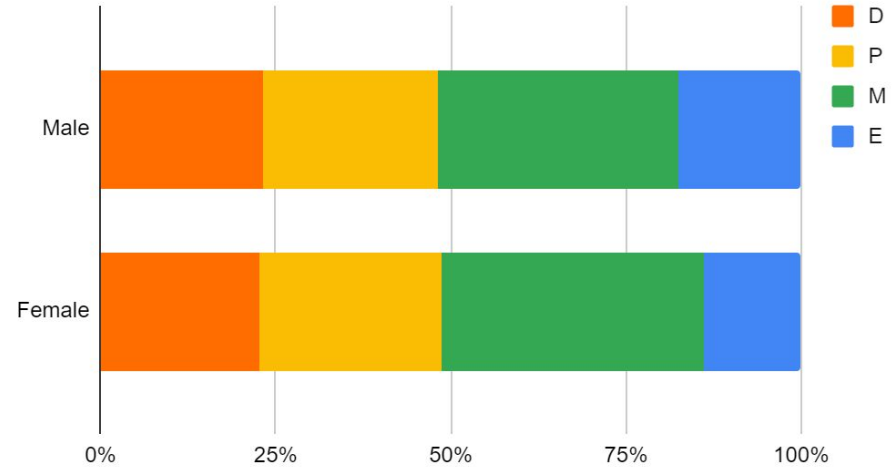
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MCA Science by Student Group

Science Achievement Level Distribution by Race

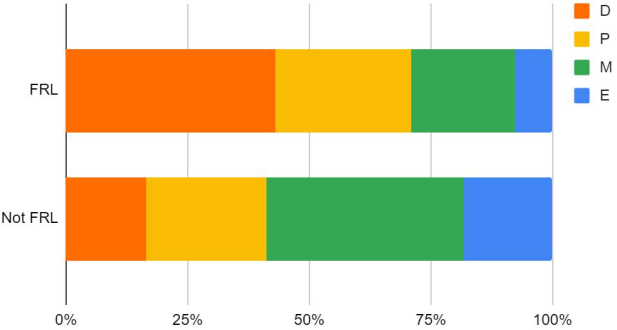


Science Achievement Level Distribution by Gender

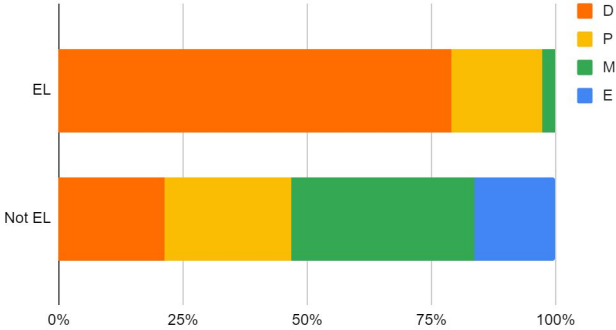


MCA Science by Student Group

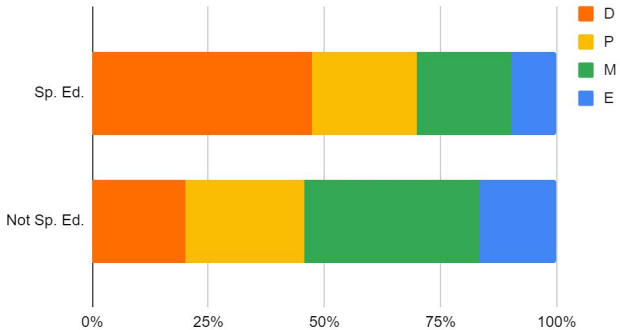
Science Achievement Level Distribution by FRL



Science Achievement Level Distribution by EL



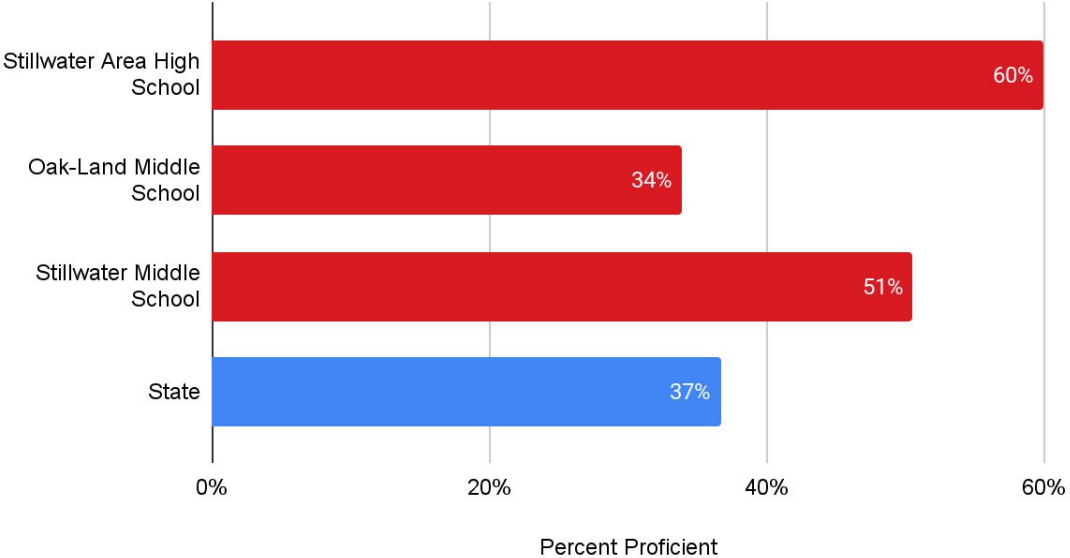
Science Achievement Level Distribution by SPED



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MCA Science by School

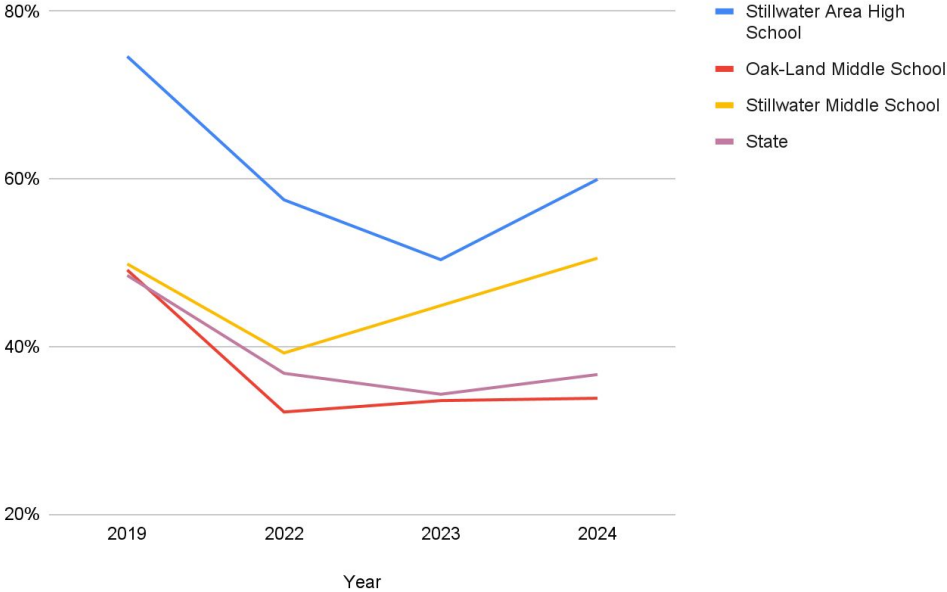
MCA/MTAS Science Proficiency



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MCA Science by School Trend

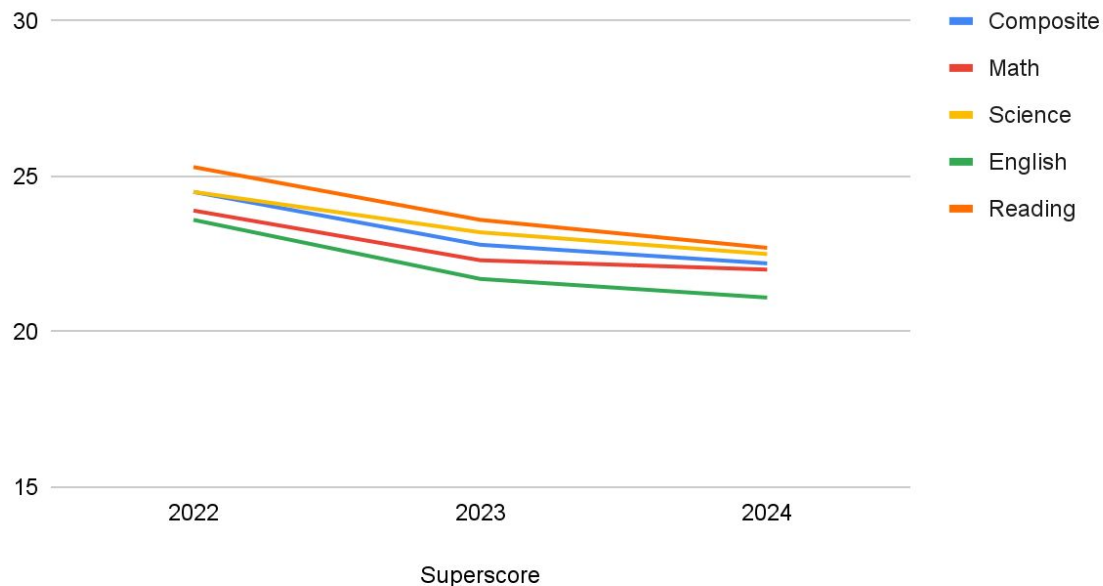
MCA/MTAS Science Over Time



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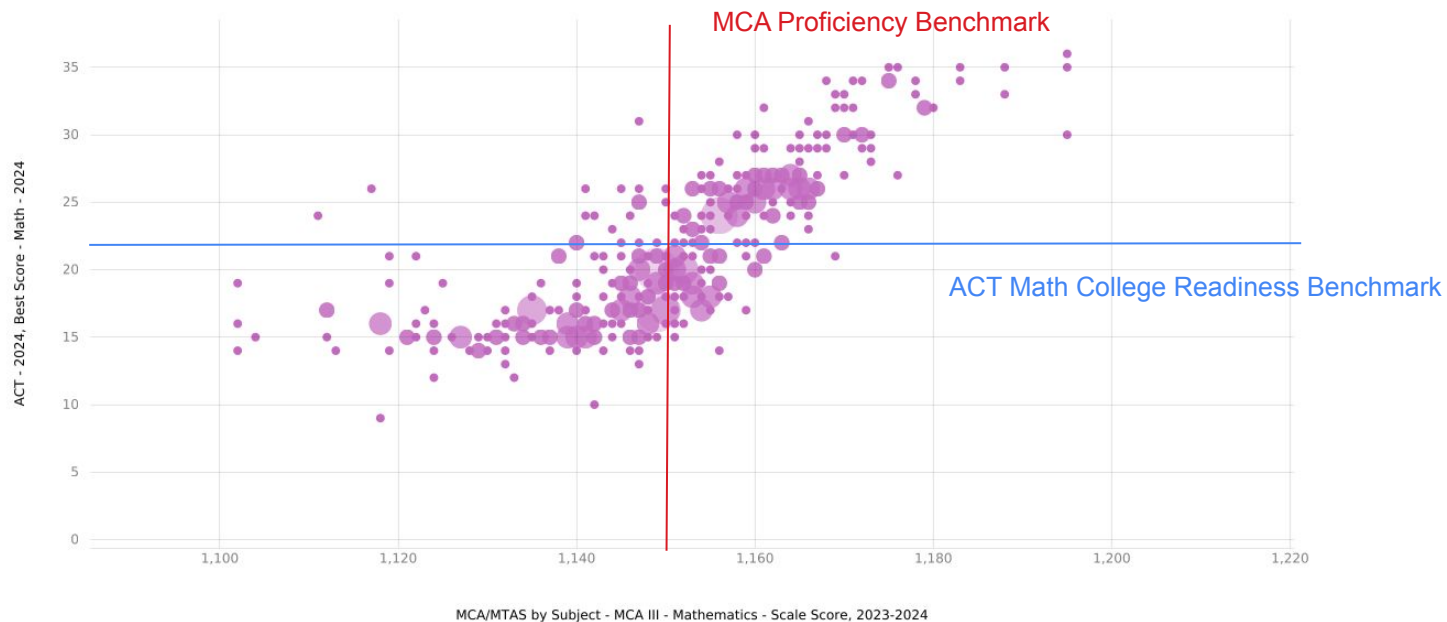
What about the ACT?

Average ACT Superscores



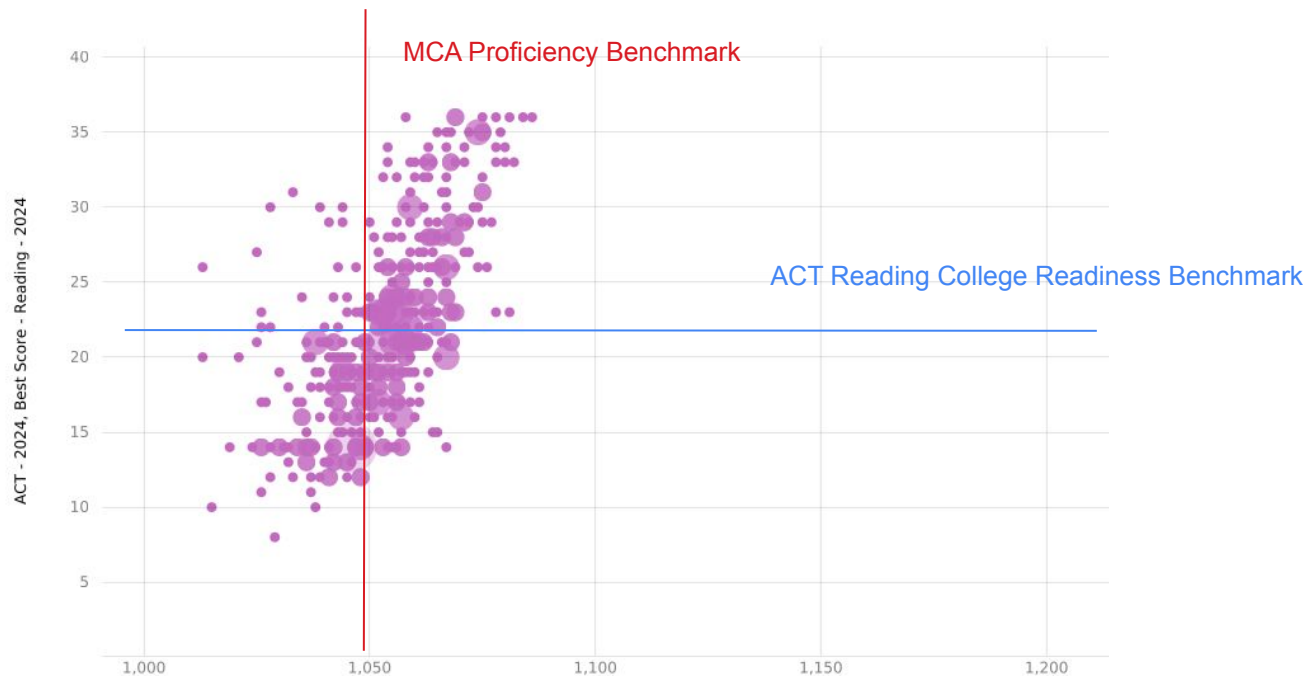
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What about the ACT?



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What about the ACT?



MCA/MTAS by Subject - MCA III - Reading - Scale Score, 2022-2023



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Summary

- Stillwater's MCA and MTAS scores exceed the state average across subjects at the secondary level
- Stillwater's scores have improved since 2022 in math and science, but remain stagnant in reading
- Participation by school has improved post-pandemic
- Significant variation by schools
- Achievement gaps exist between student groups, with the starkest gaps by family income level



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Questions