



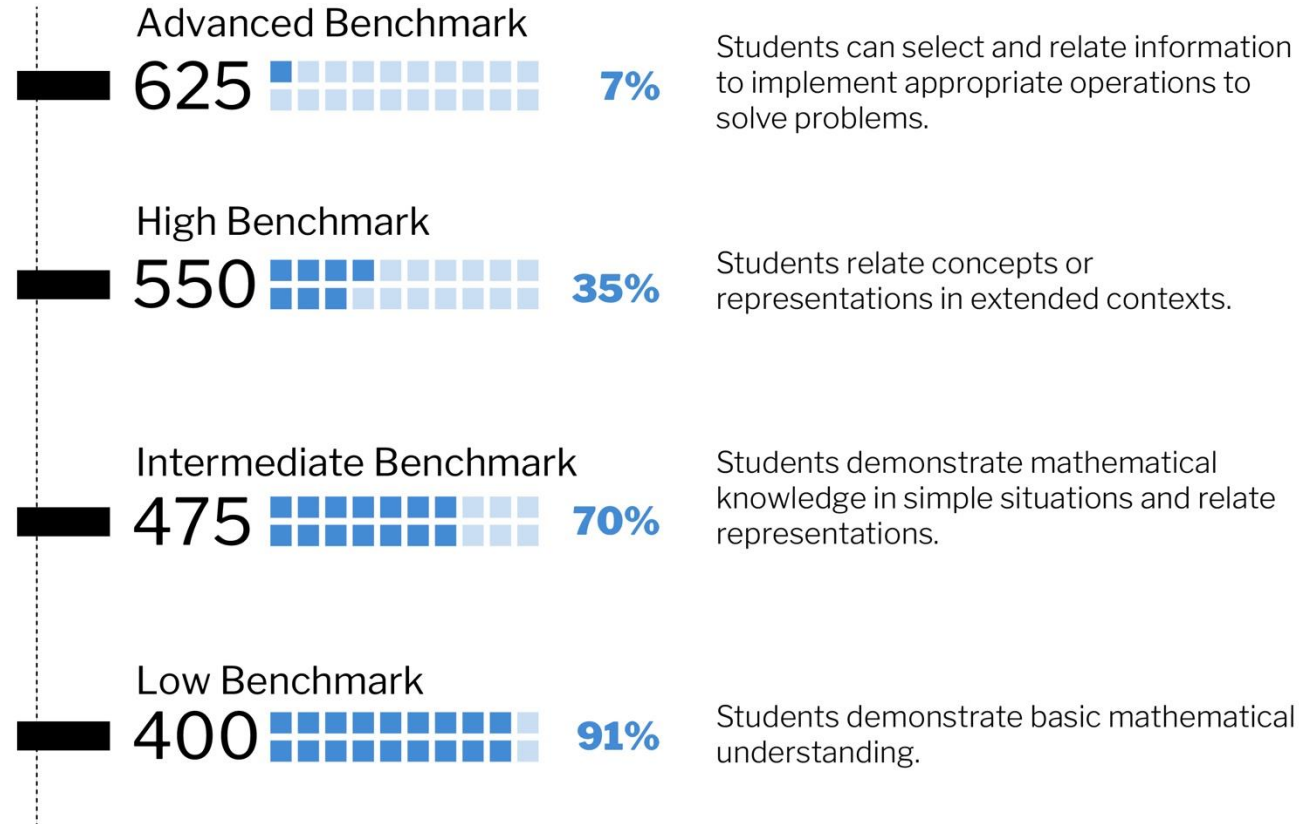
TIMSS & PIRLS
BOSTON COLLEGE

TIMSS 2023 Infographic Presentation

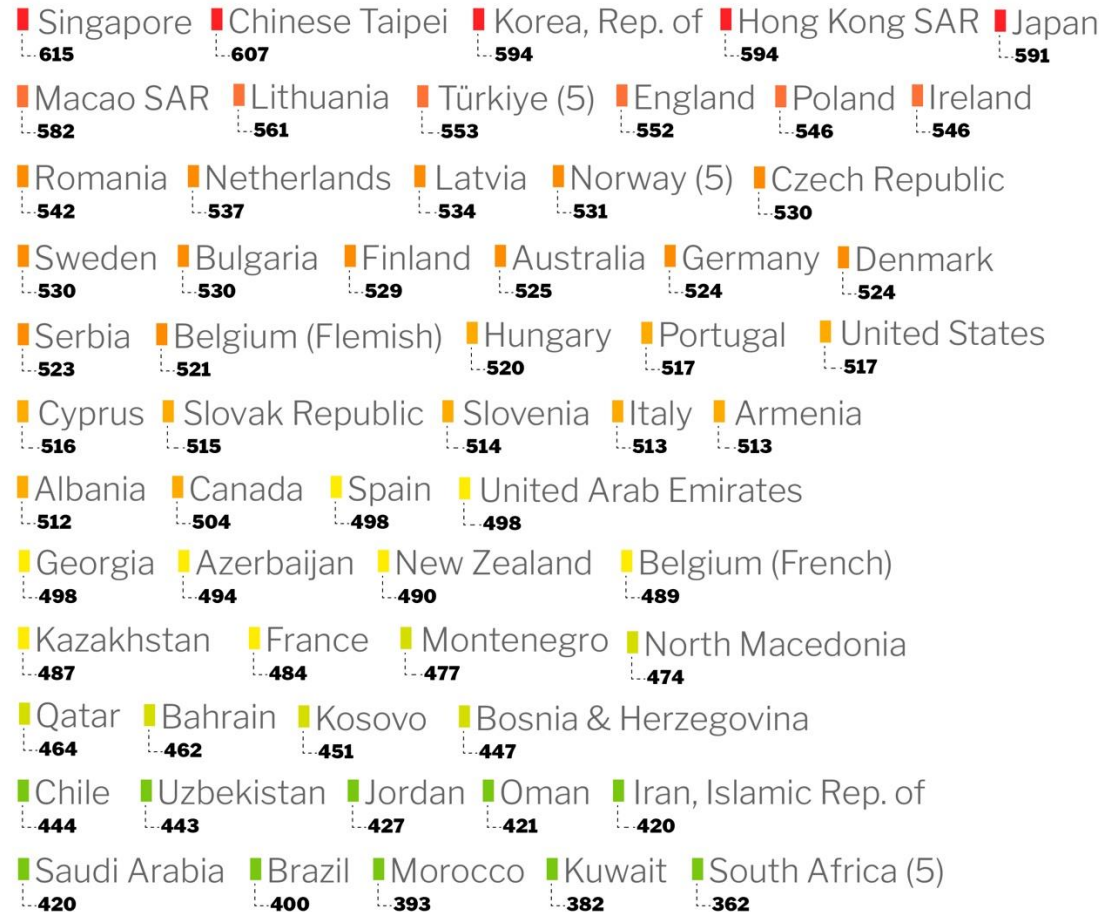


Achievement at TIMSS International Benchmarks

Percentage of Students Reaching Benchmarks (median across countries)



Average Mathematics Achievement



Benchmarking Participants





Gender Differences in Average Achievement



Boys Scored Higher



No Difference

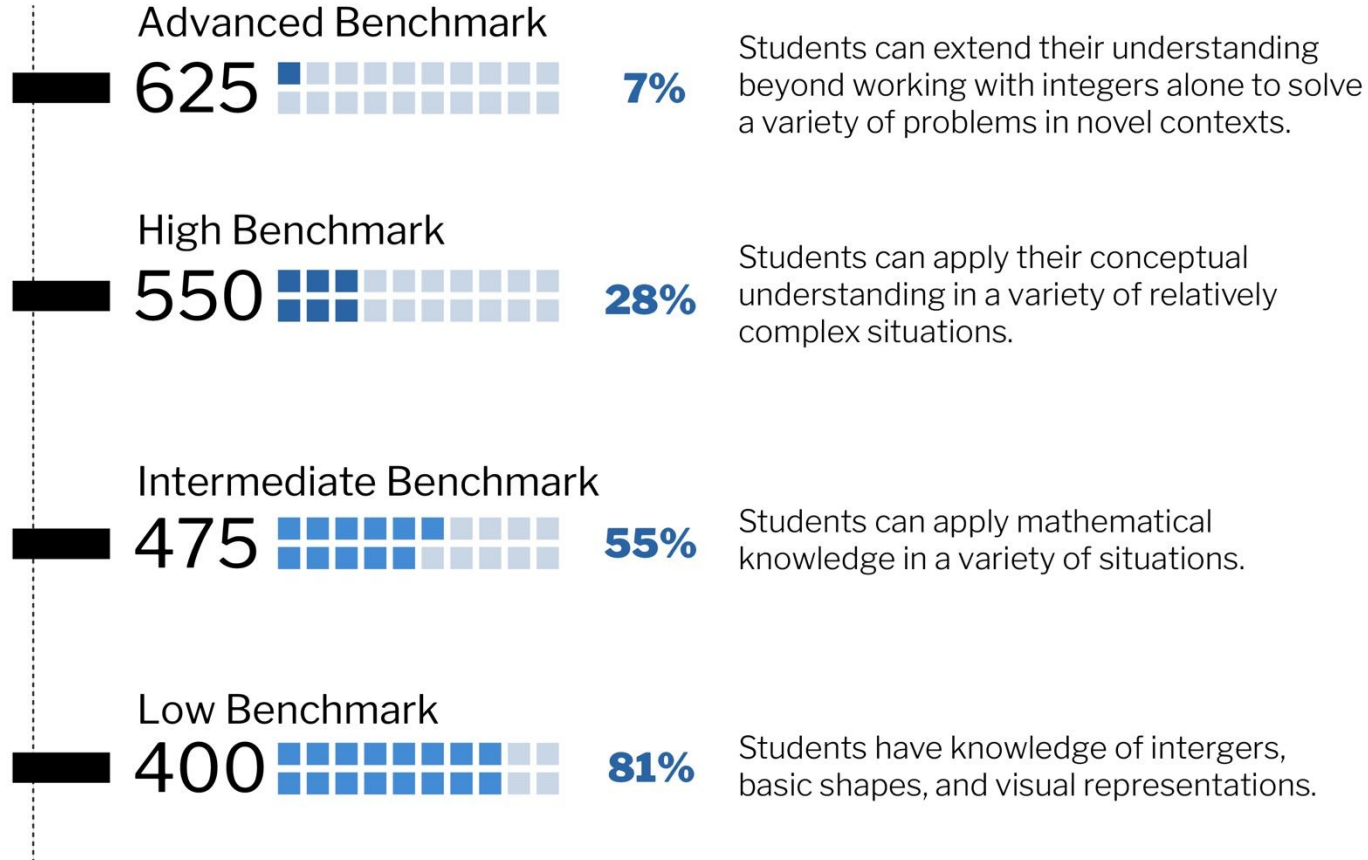


Girls Scored Higher

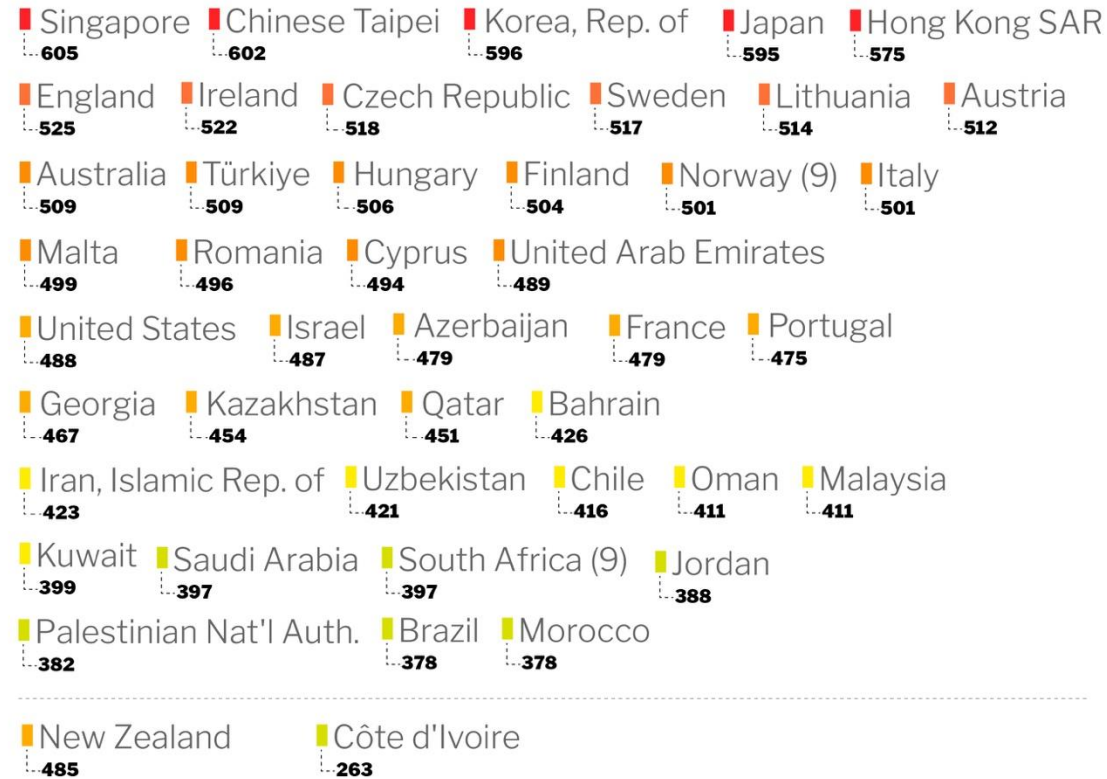


Achievement at TIMSS International Benchmarks

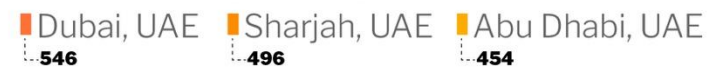
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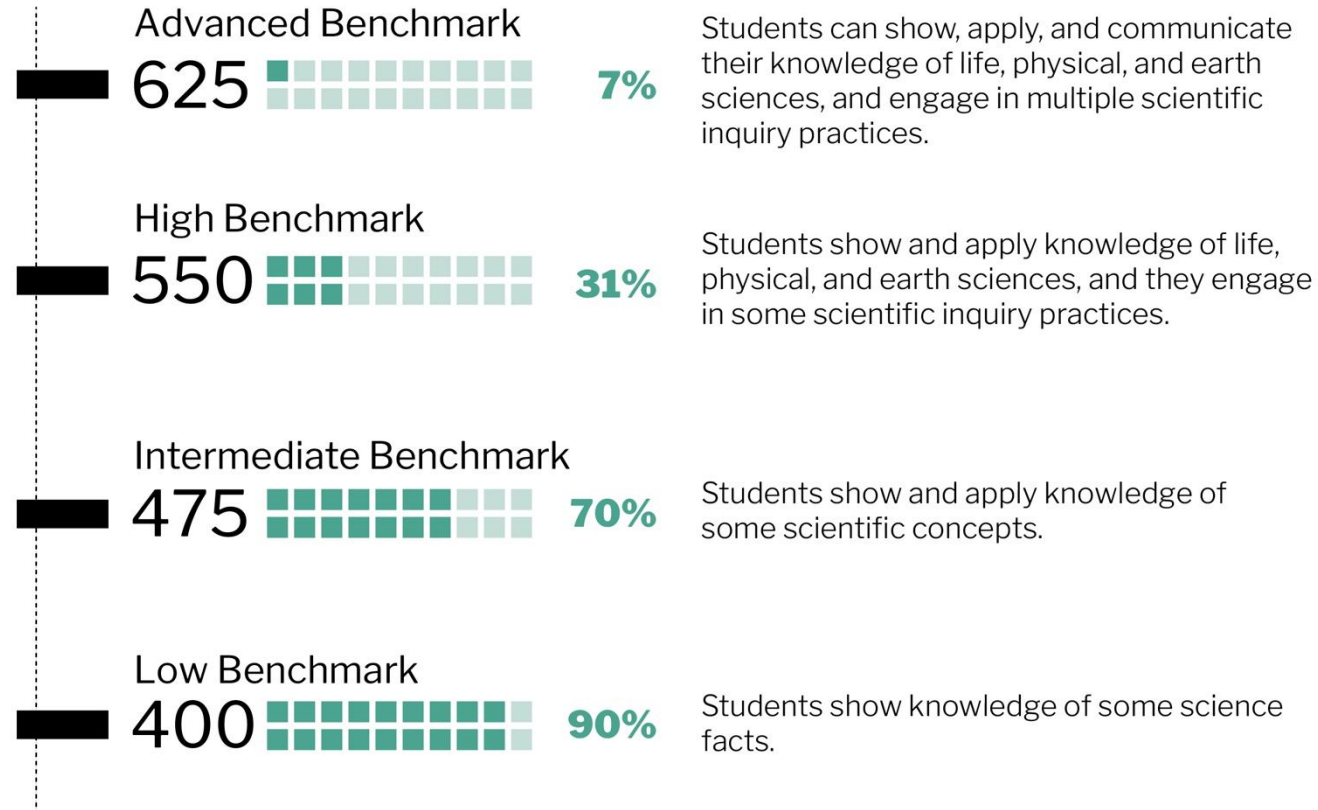
Girls Scored Higher



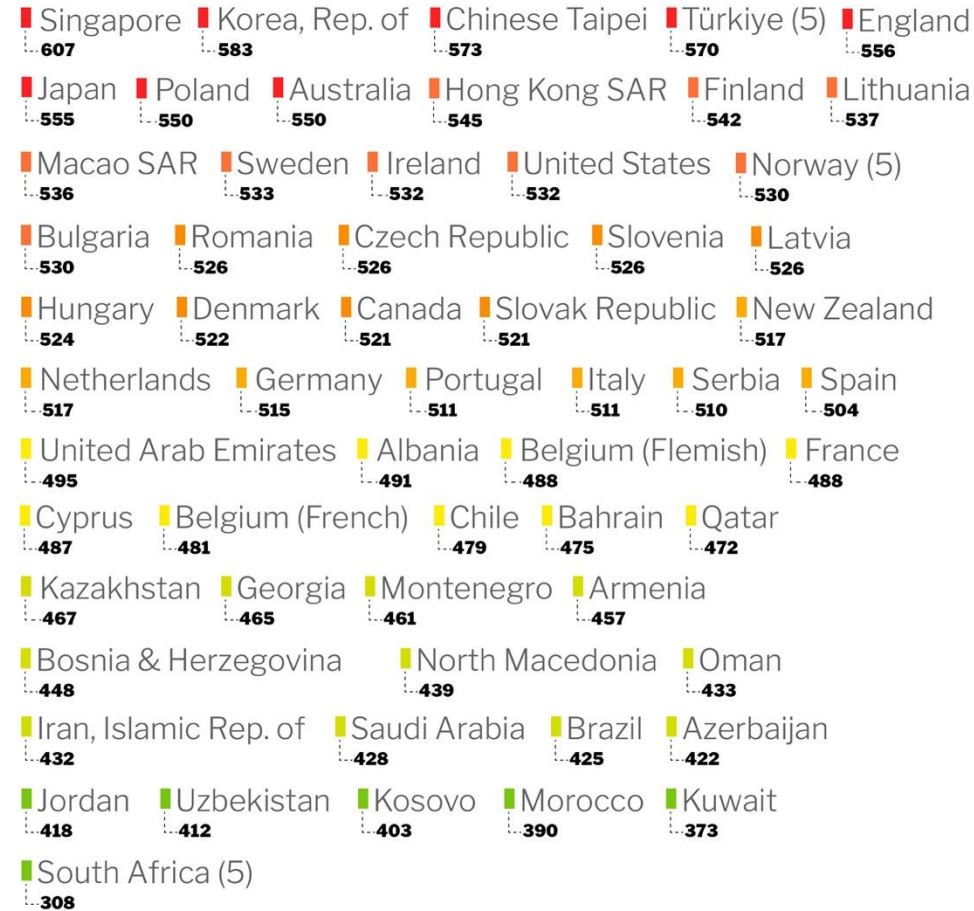


Achievement at TIMSS International Benchmarks

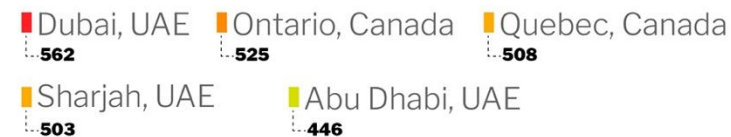
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Average Science Achievement



Benchmarking Participants



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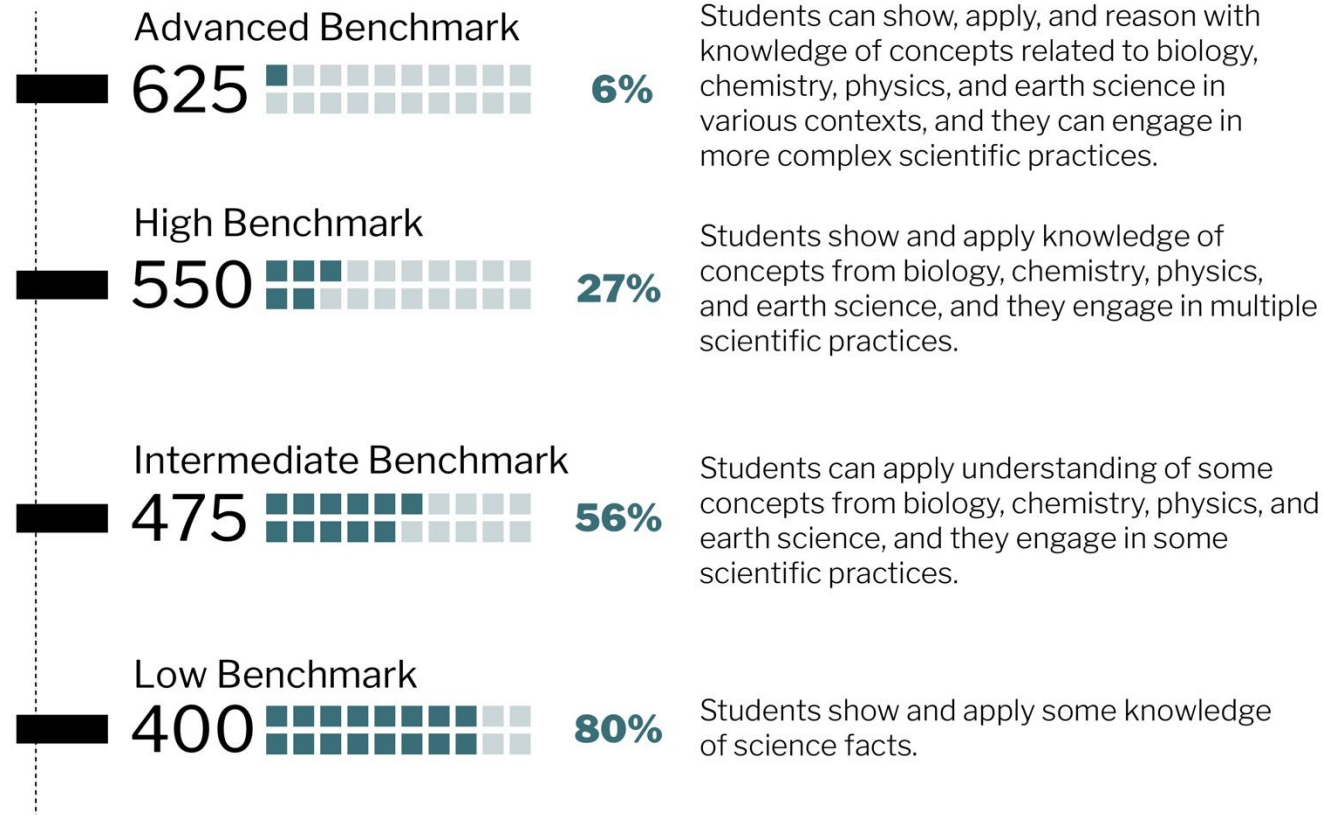


Girls Scored Higher

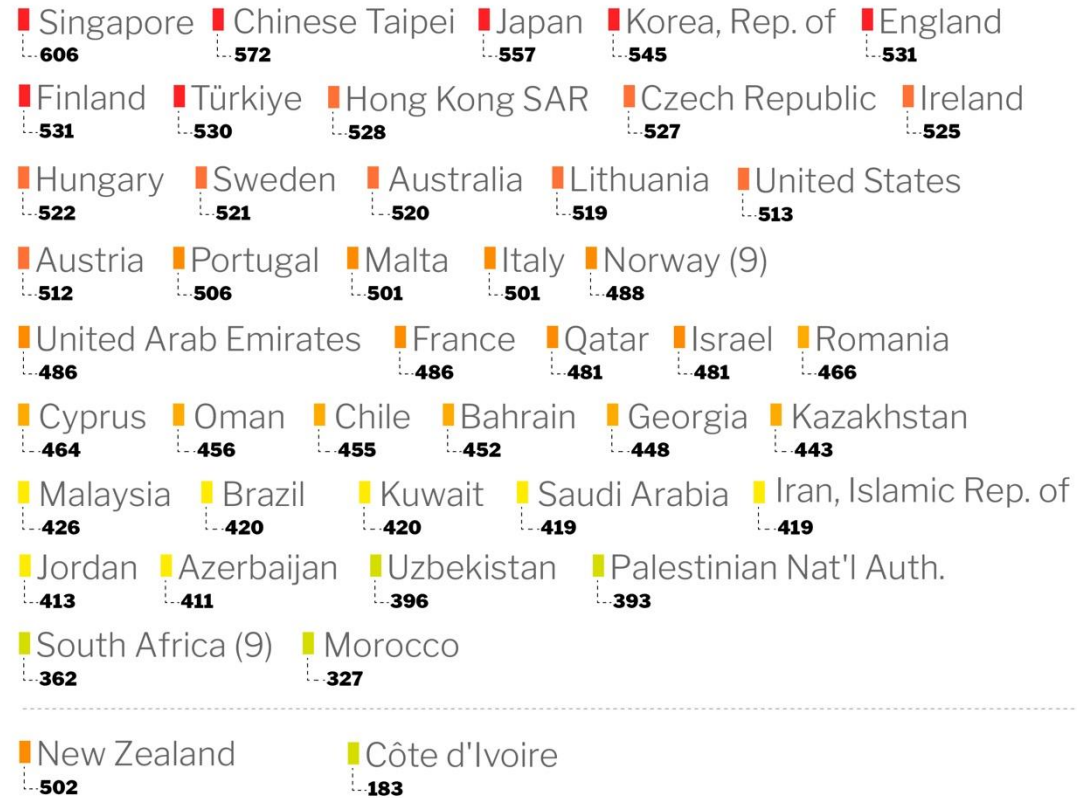


Achievement at TIMSS International Benchmarks

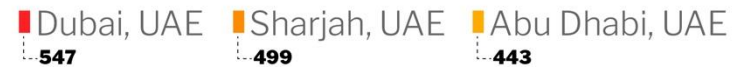
Percentage of Students Reaching Benchmarks (median across countries)



Average Science Achievement



Benchmark Participants





Gender Differences in Average Achievement



Boys Scored Higher



12

No Difference



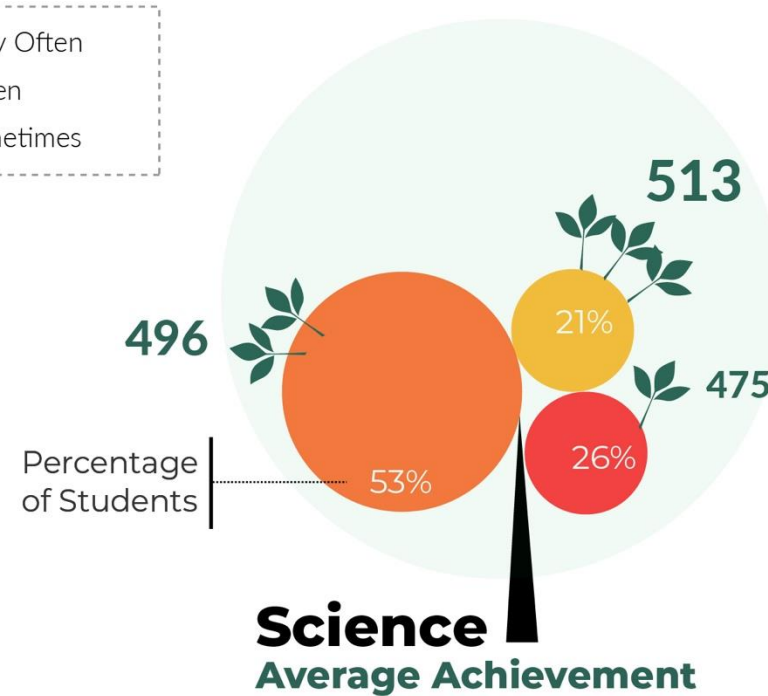
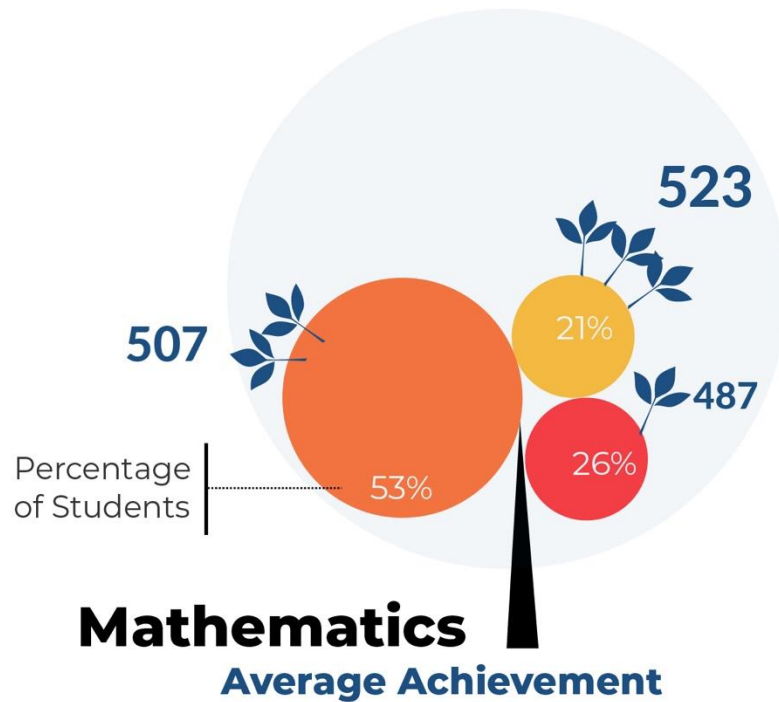
19

Girls Scored Higher



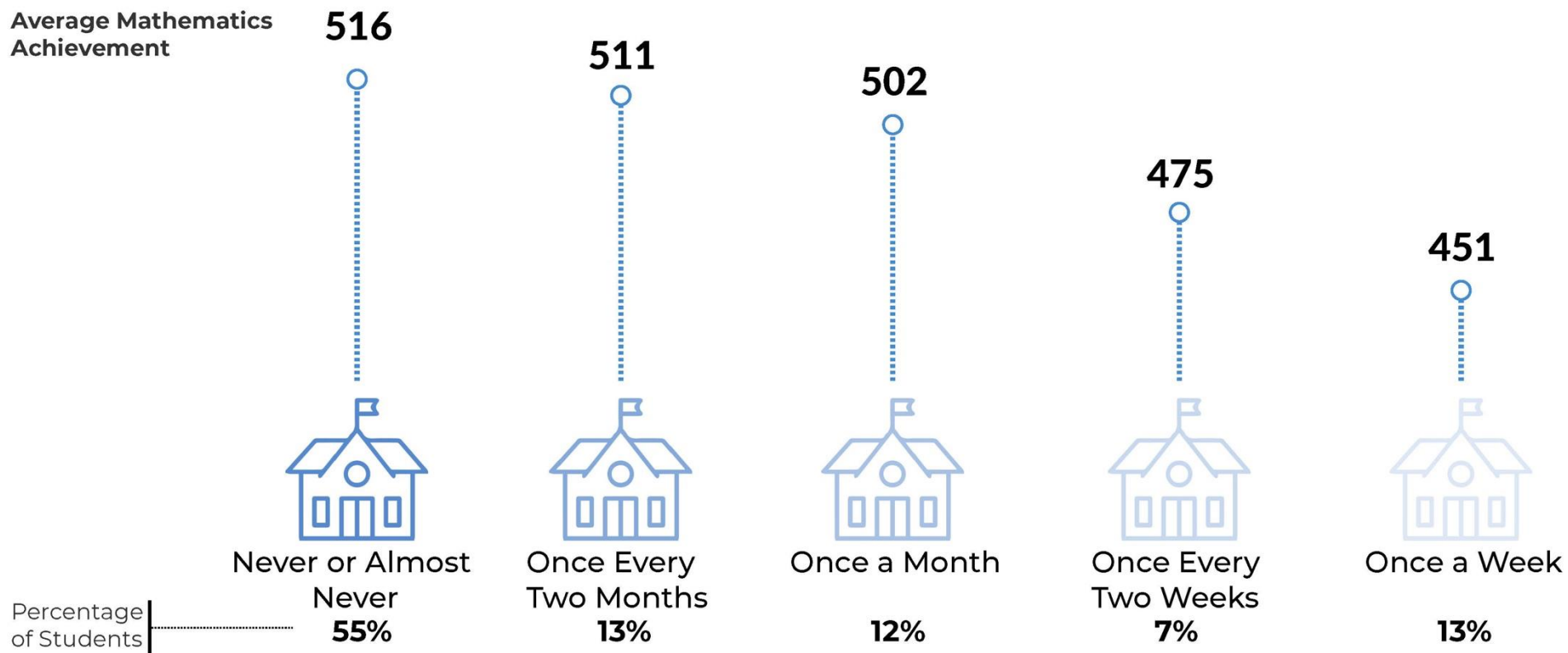
11

Early Literacy and Numeracy Activities Before Primary School - Parents' Reports



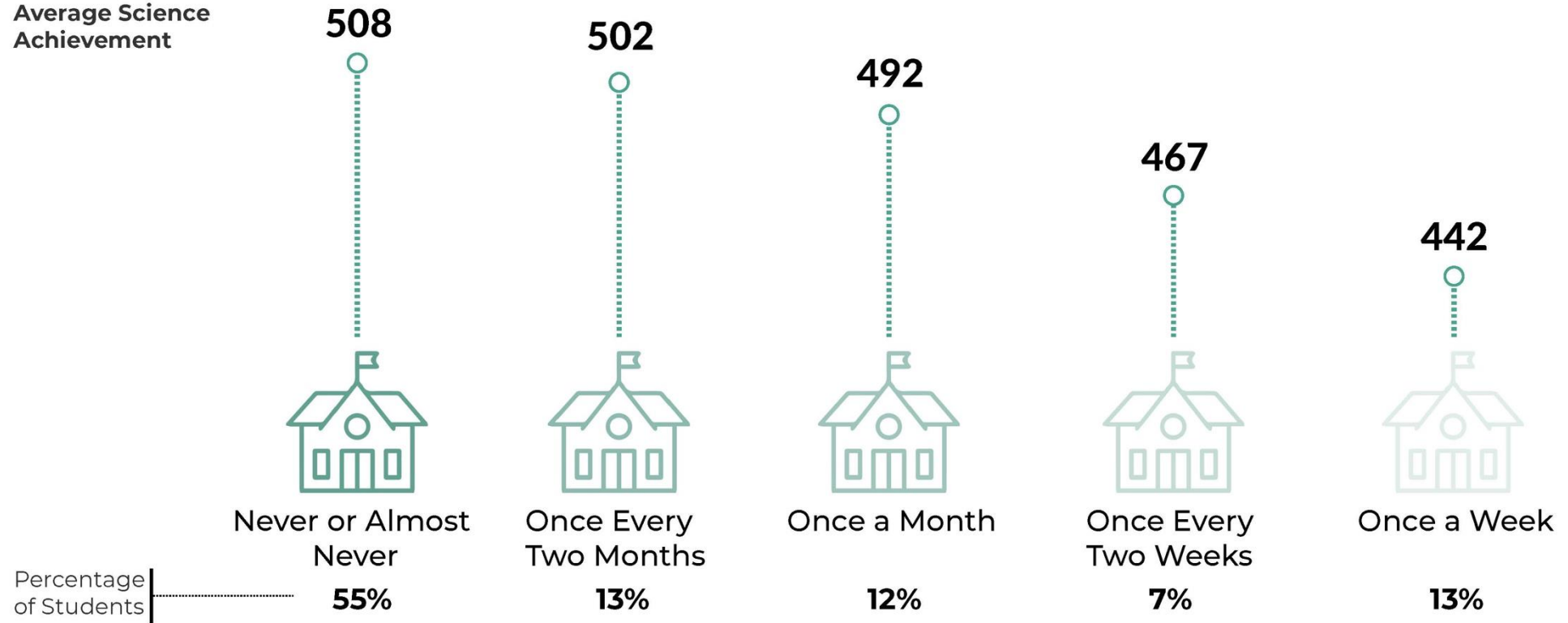
Frequency of Student Absences

Average Mathematics
Achievement



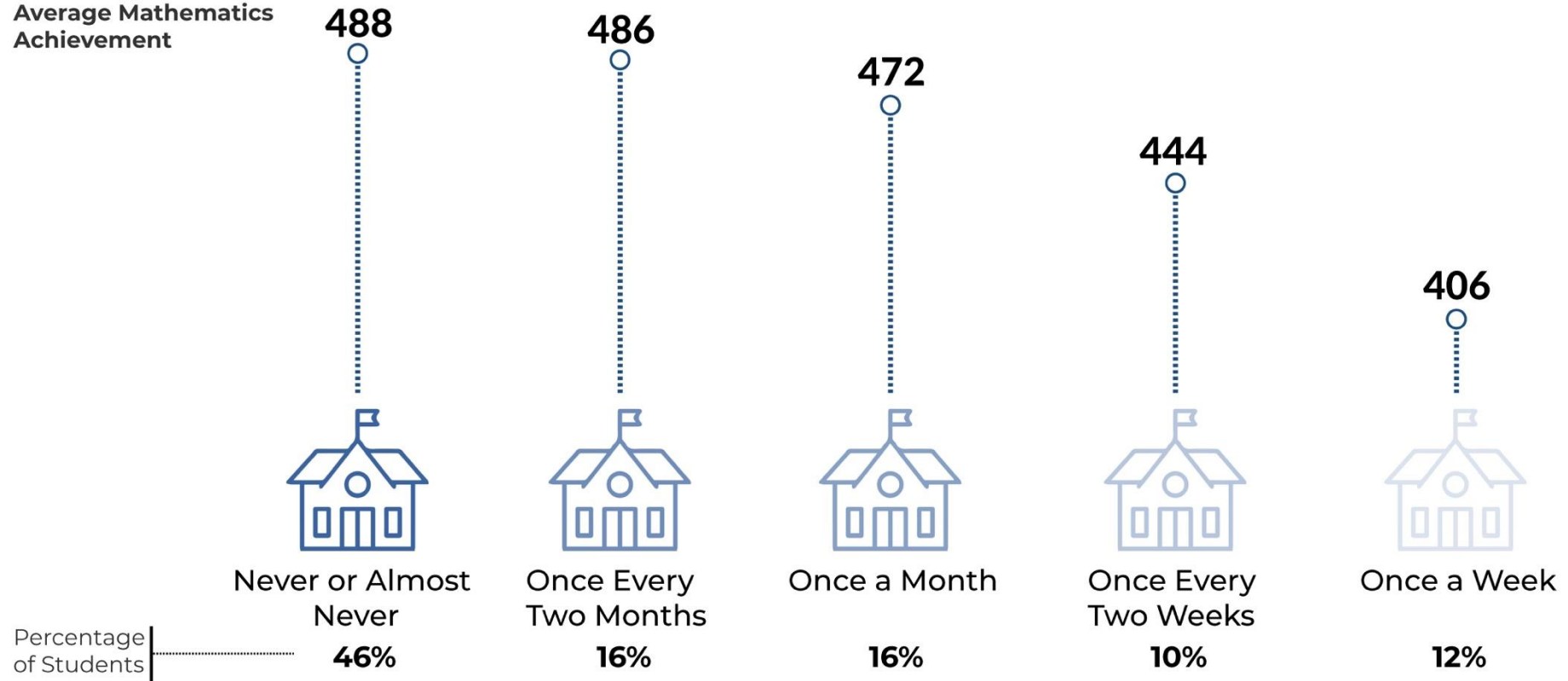
Frequency of Student Absences

Average Science
Achievement



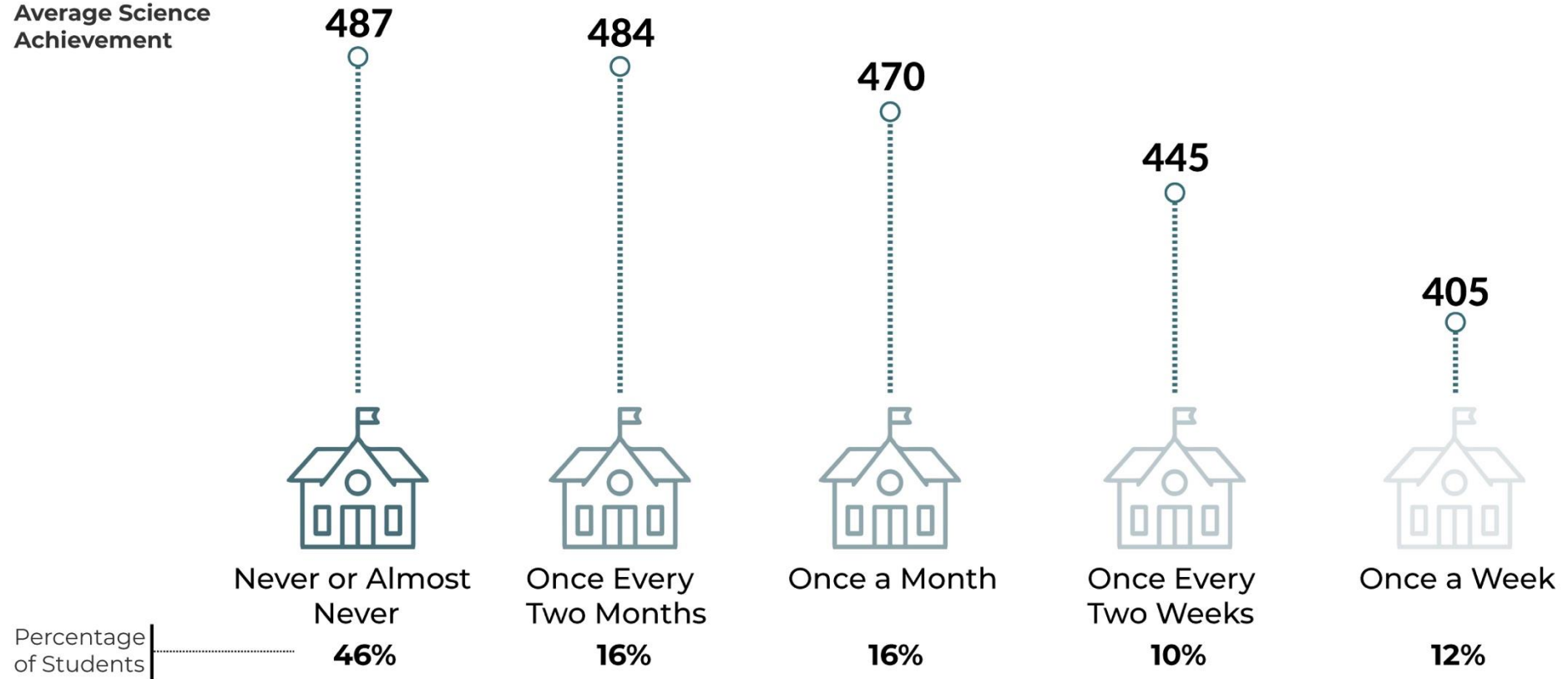
Frequency of Student Absences

Average Mathematics
Achievement

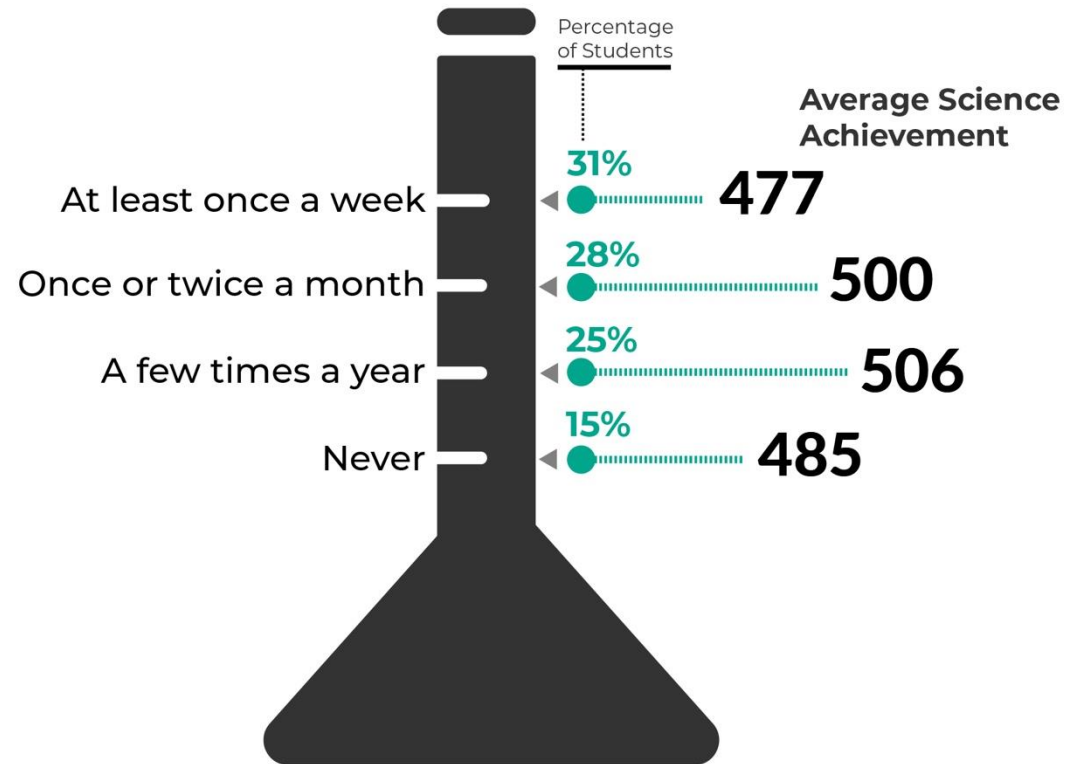


Frequency of Student Absences

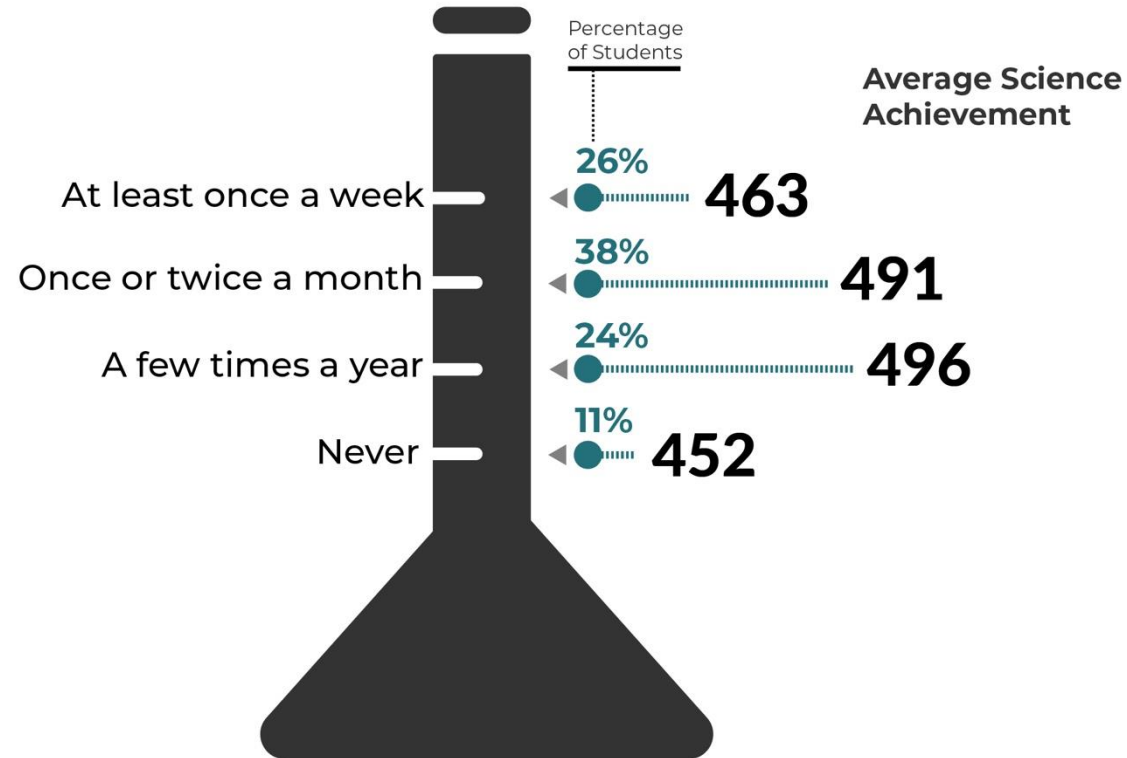
Average Science
Achievement



Frequency Students Conduct Experiments in Science Lessons

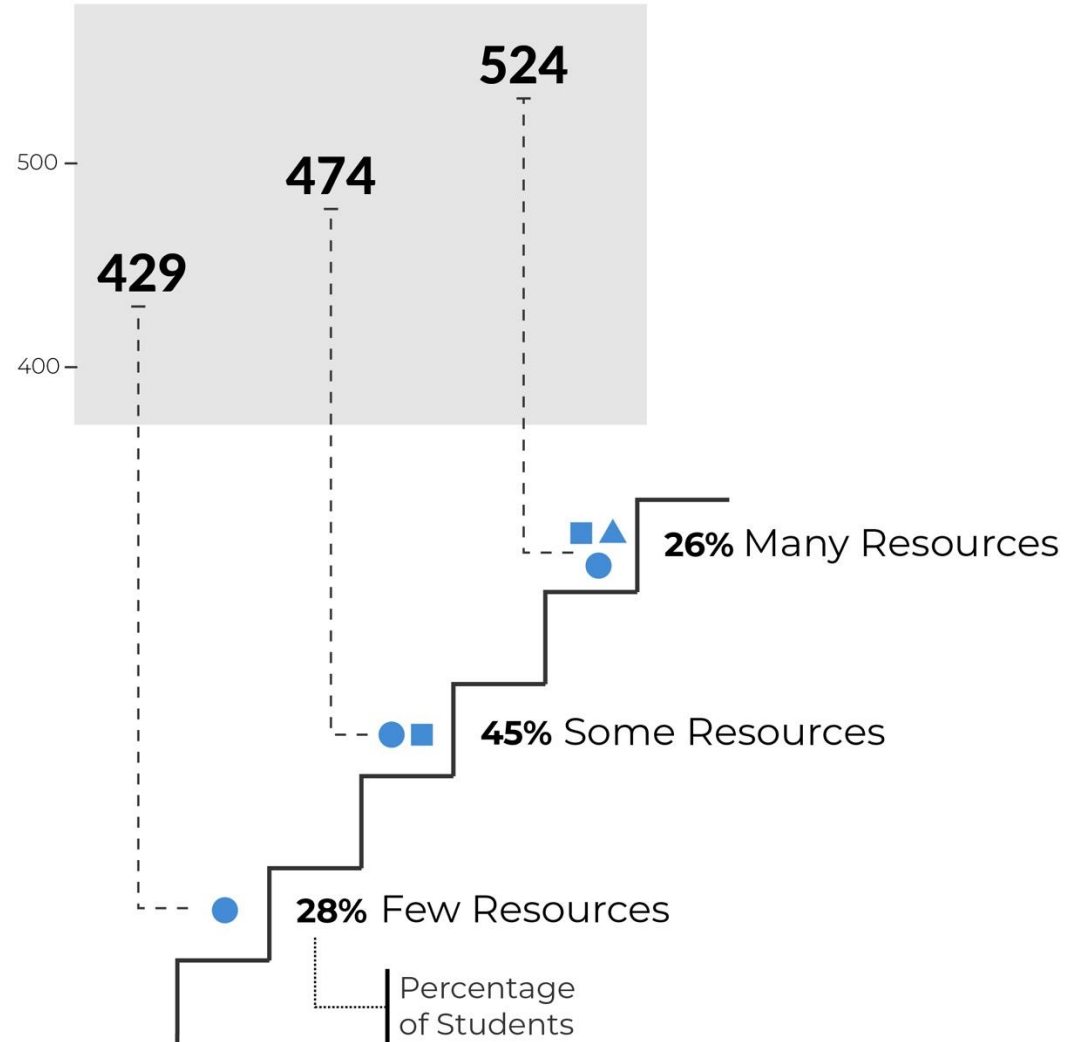


Frequency Students Conduct Experiments in Science Lessons

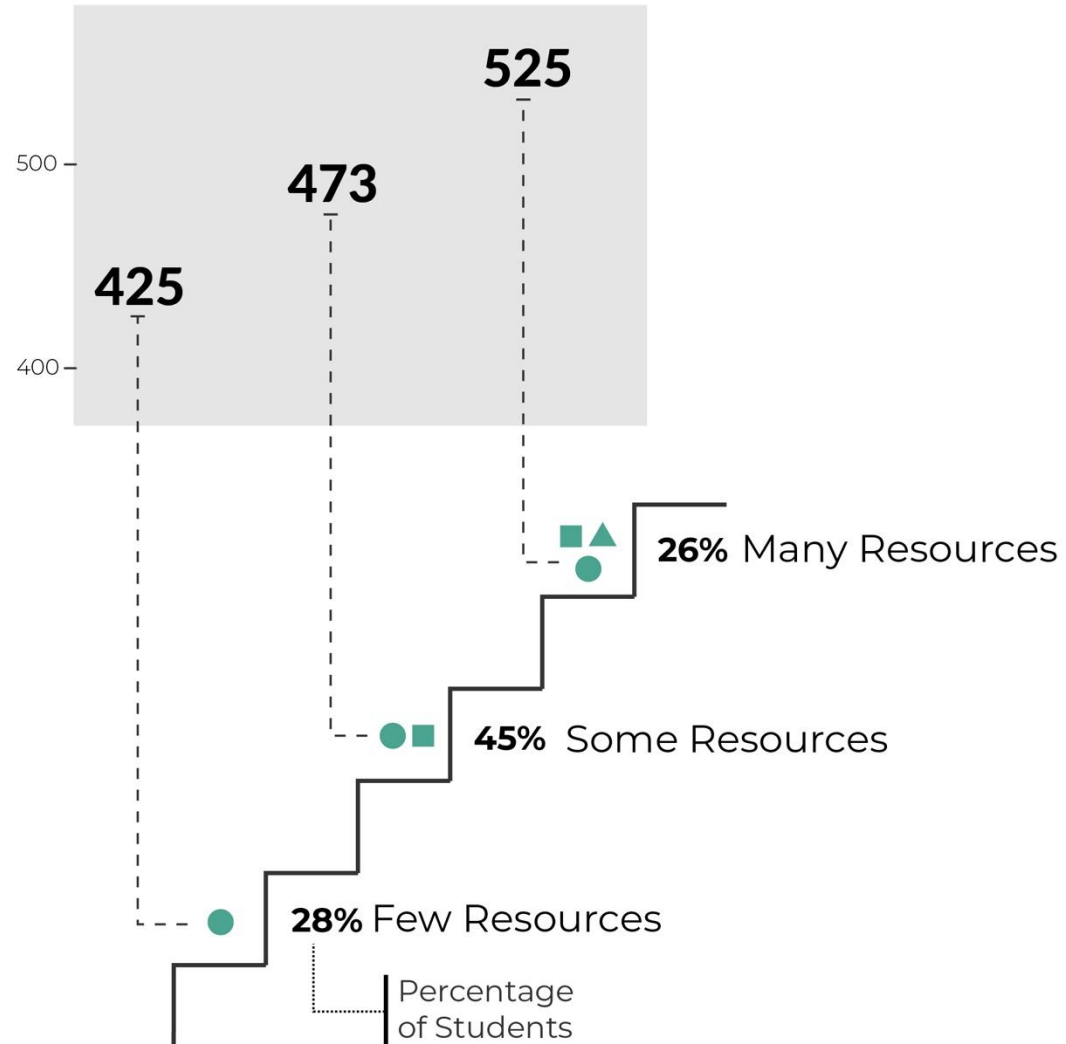


Home Educational Resources

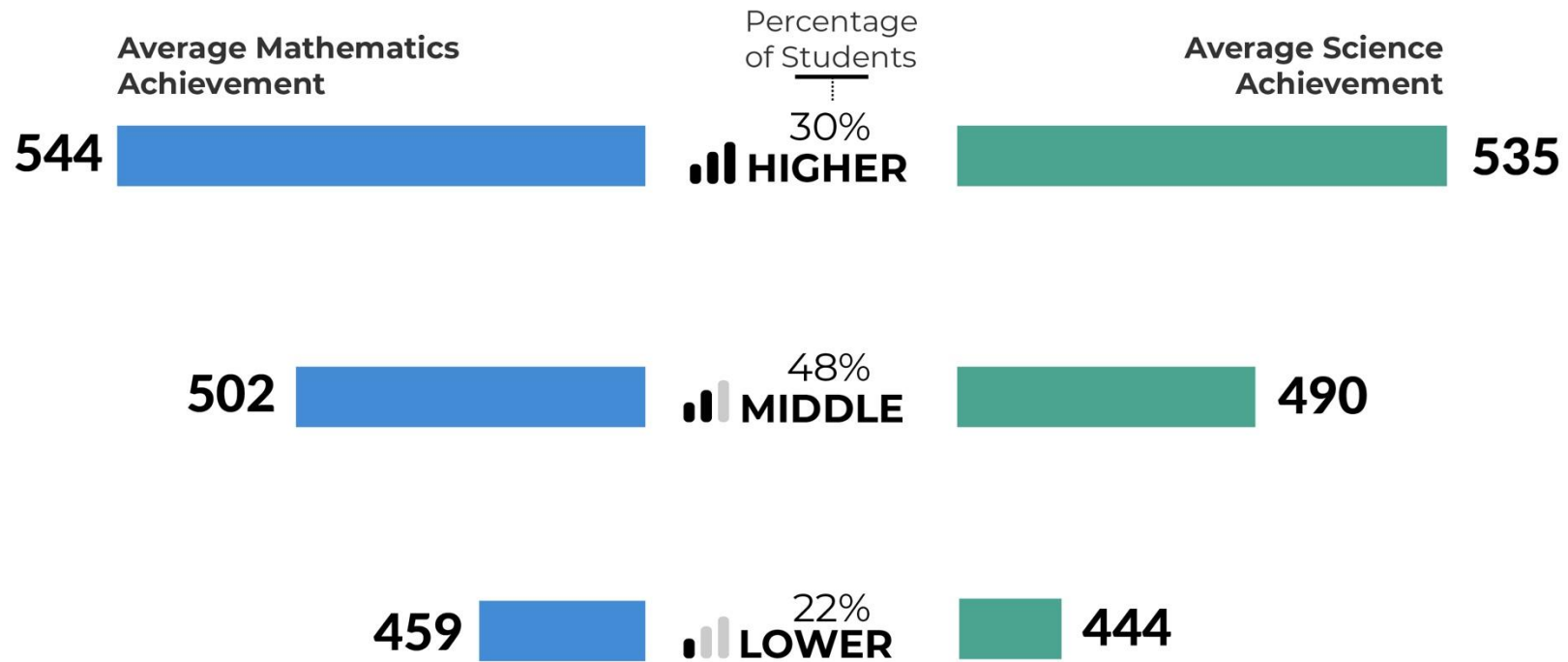
Average Mathematics Achievement



Average Science Achievement

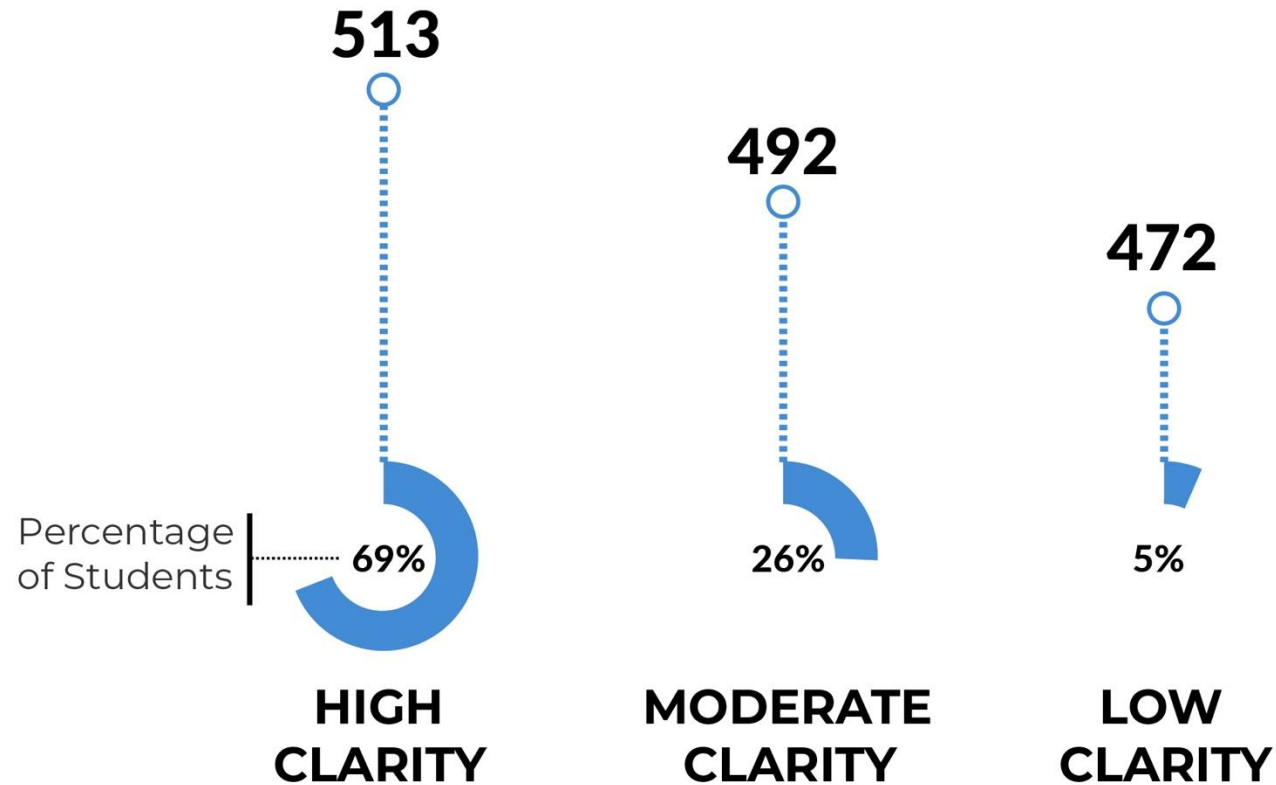


Home Socioeconomic Status - Parents' Reports



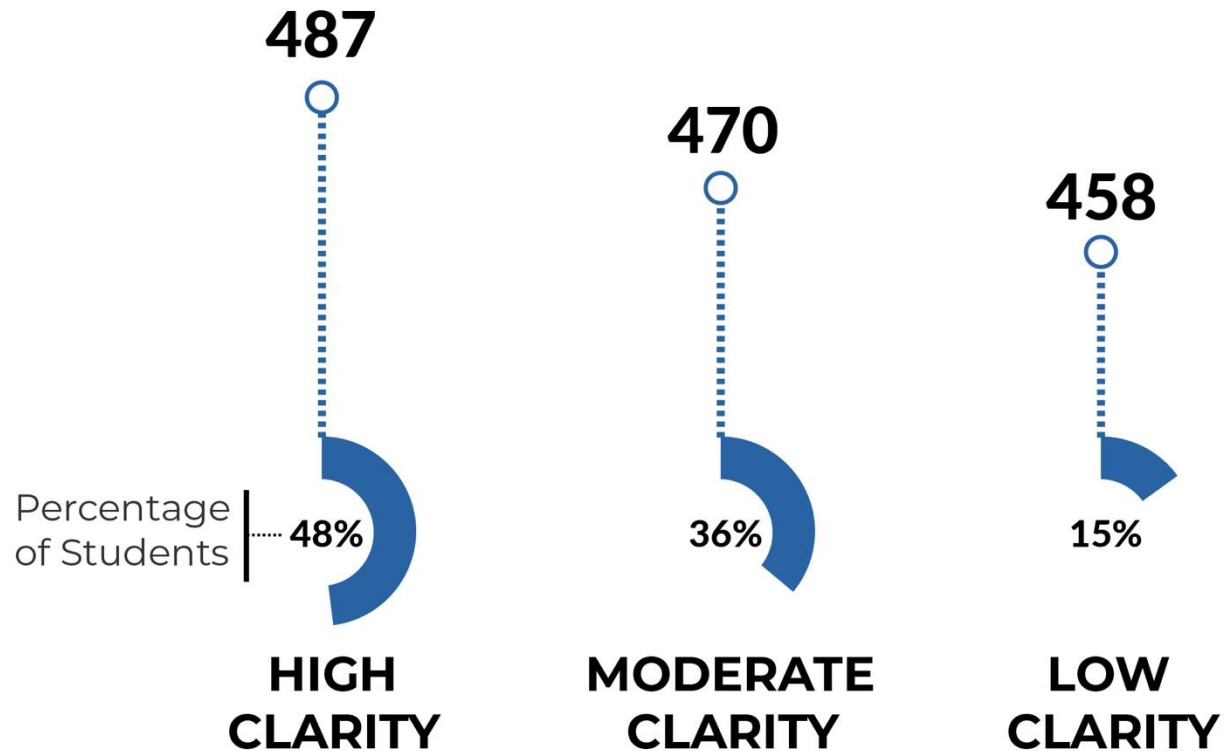
Instructional Clarity in Mathematics Lessons

Average Mathematics Achievement

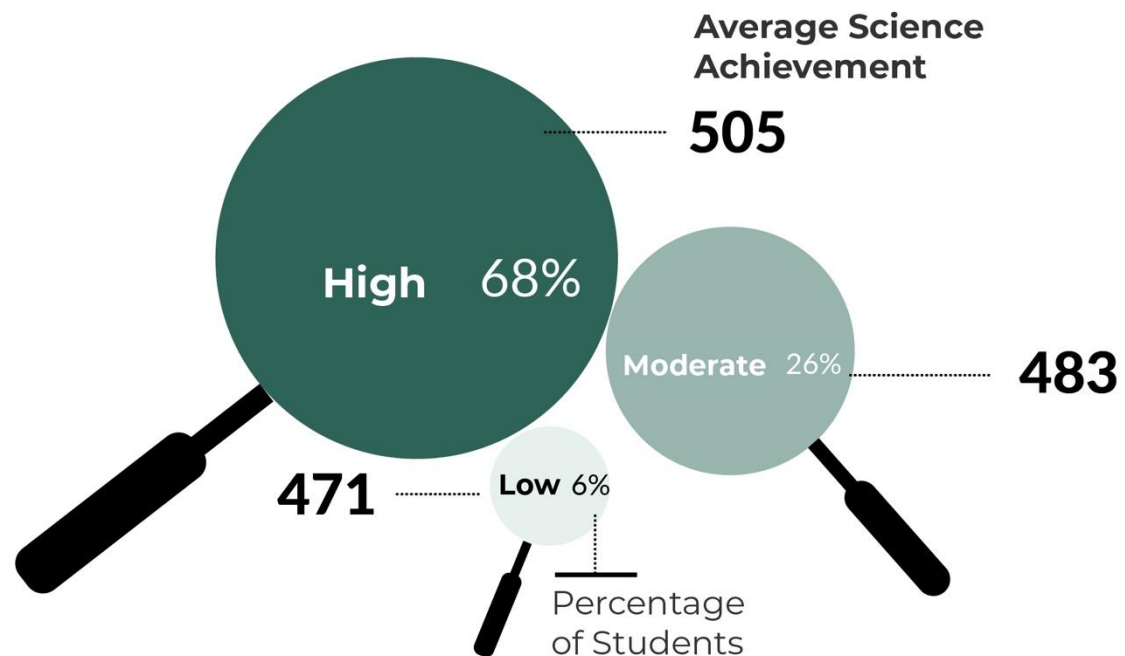


Instructional Clarity in Mathematics Lessons

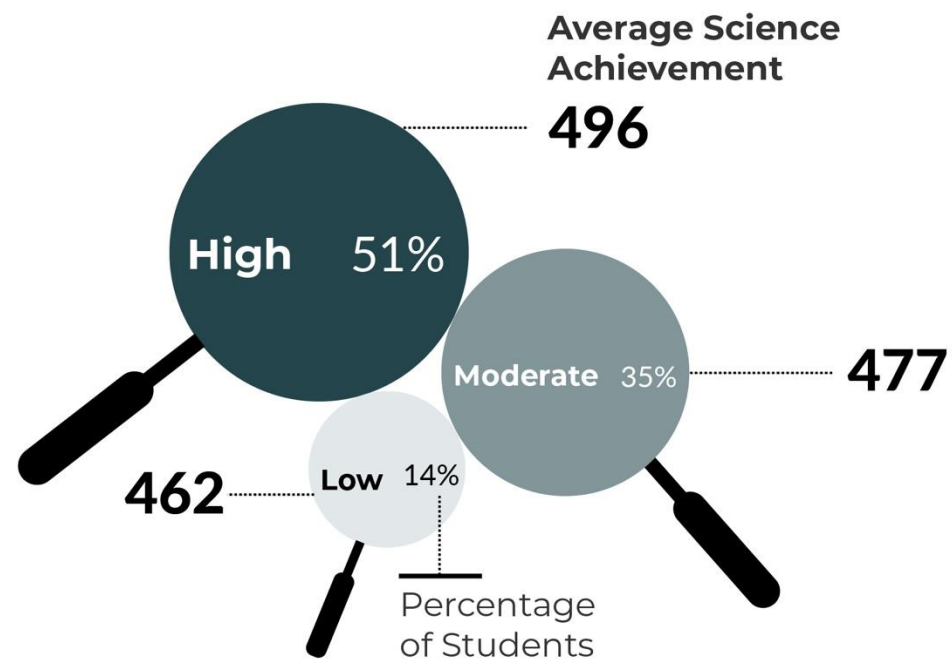
Average Mathematics Achievement



Instructional Clarity in Science Lessons



Instructional Clarity in Science Lessons



School Composition by Socioeconomic Background of the Student Body - Principals' Reports

Average Mathematics Achievement

522



Percentage
of Students

More Affluent

42%

Average Science Achievement

514



502



Neither More Affluent Nor
More Disadvantaged

35%

494



479



More Disadvantaged

23%

468



School Composition by Socioeconomic Background of the Student Body - Principals' Reports

Average Mathematics Achievement

498



Percentage
of Students

More Affluent

36%

Average Science Achievement

495



Neither More Affluent Nor
More Disadvantaged

34%

475



474



449



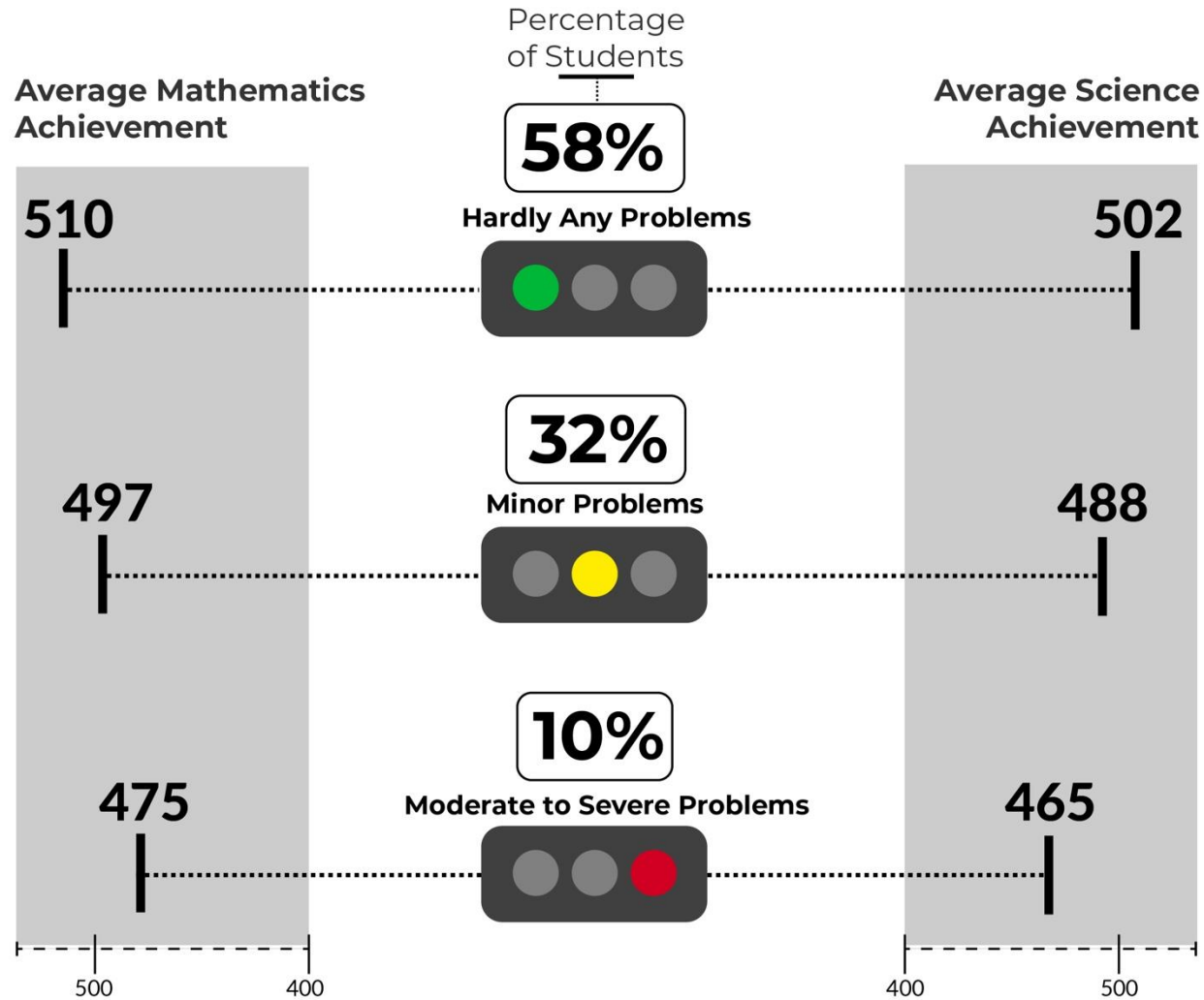
More Disadvantaged

30%

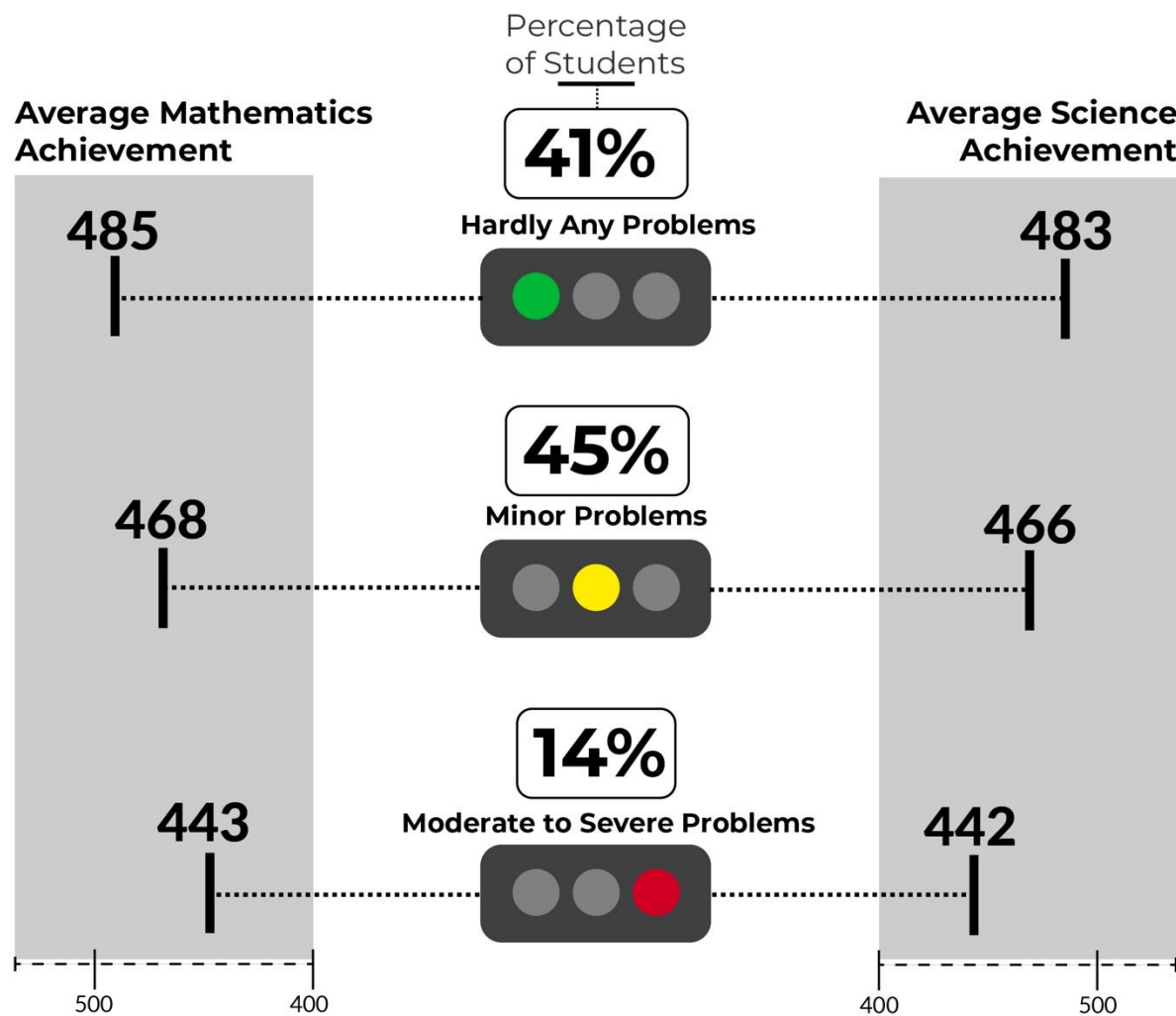
448



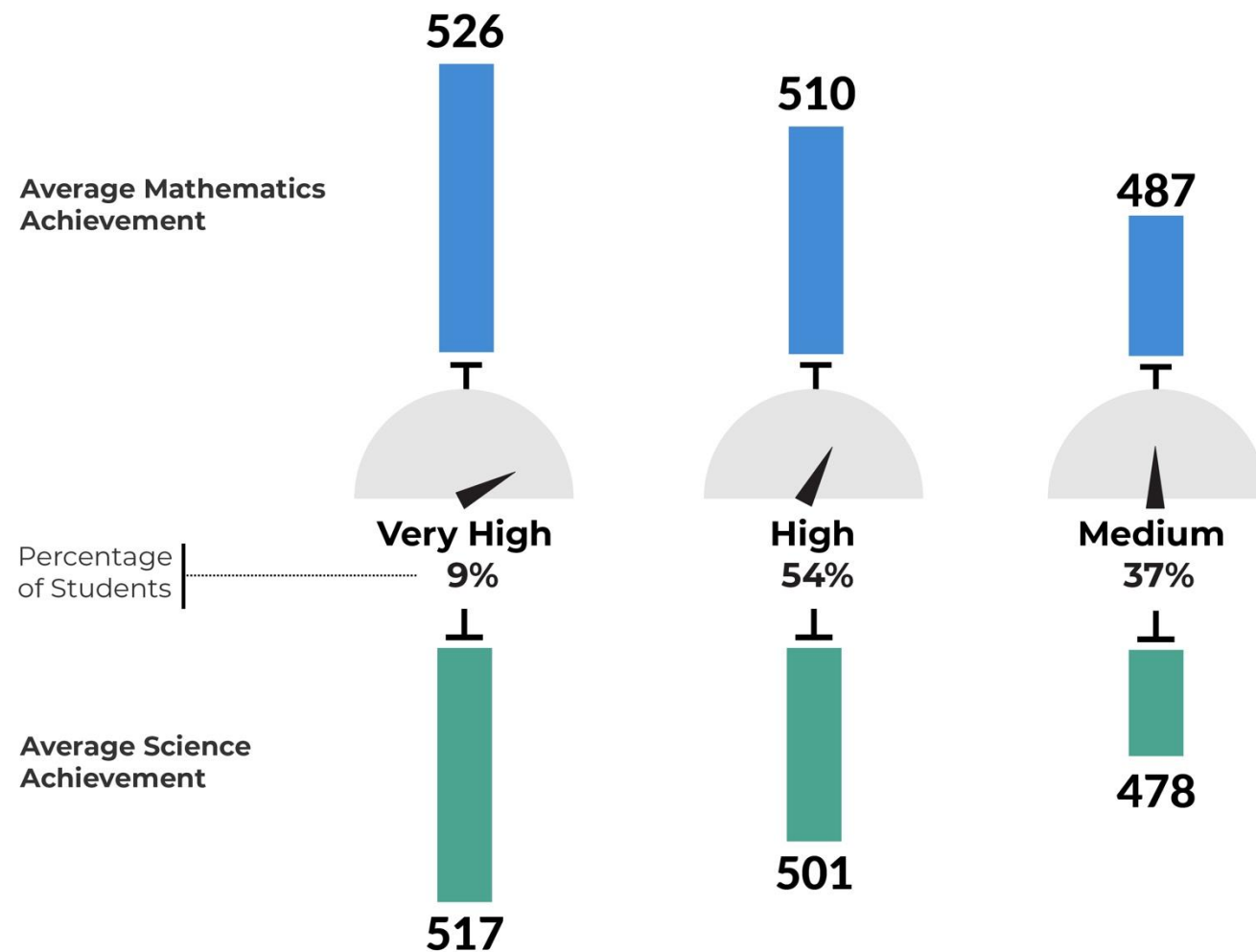
School Discipline - Principals' Reports



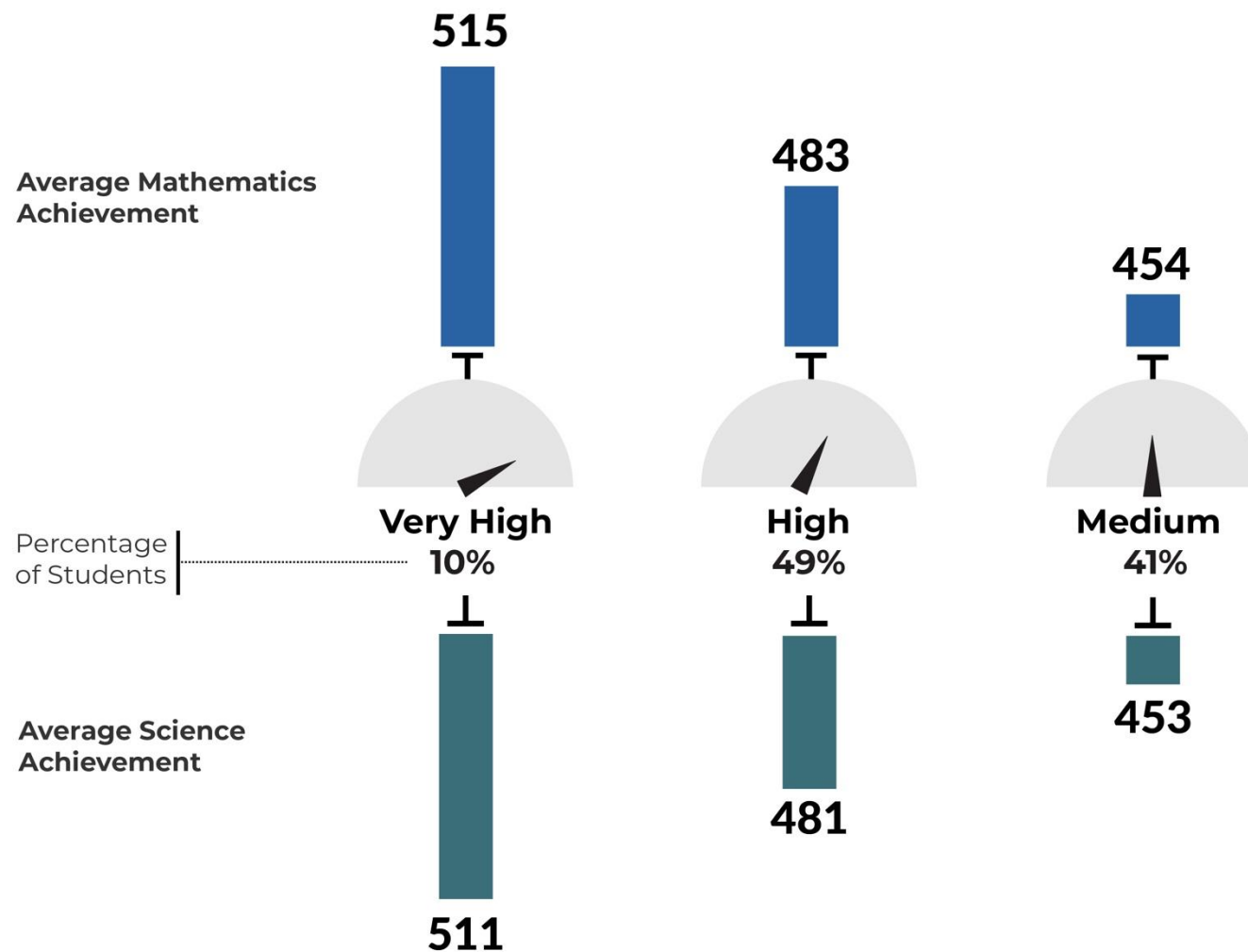
School Discipline - Principals' Reports



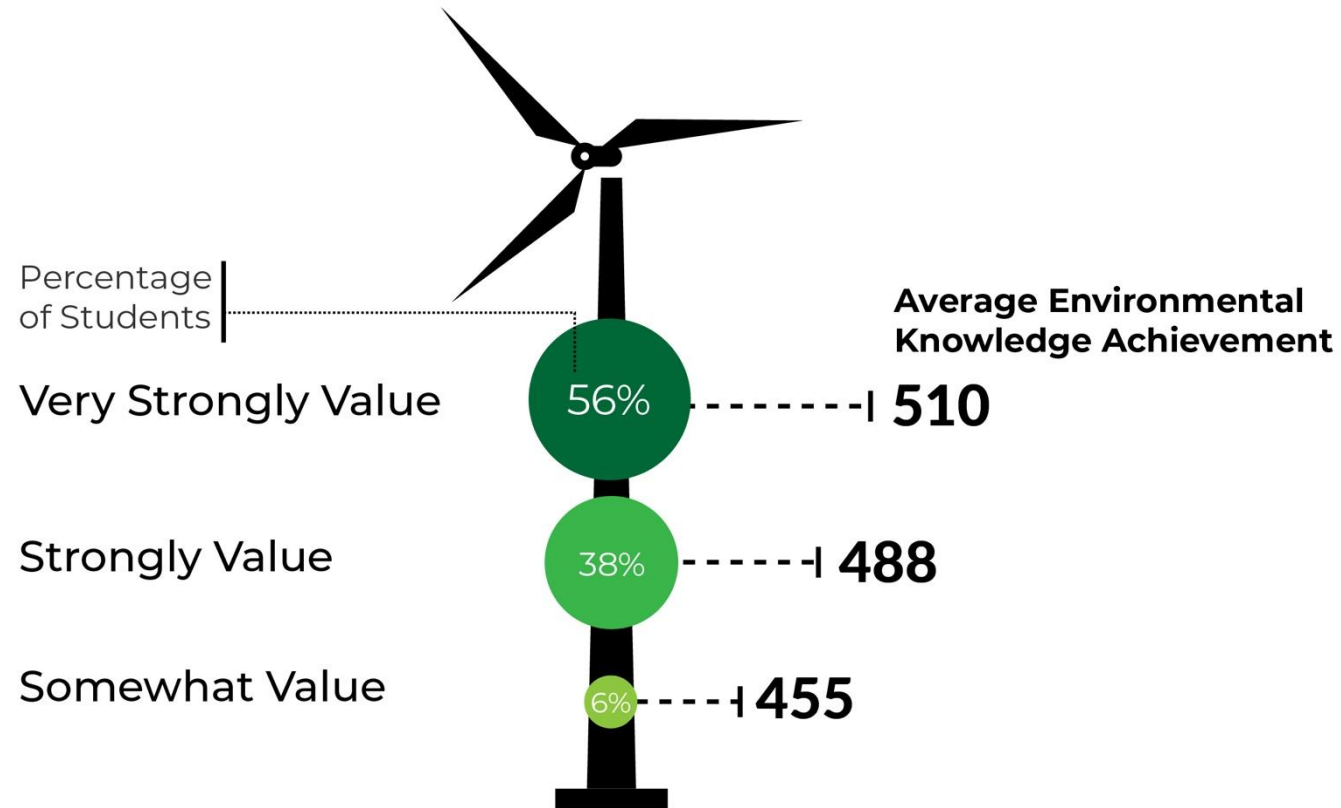
School Emphasis on Academic Success - Principals' Reports



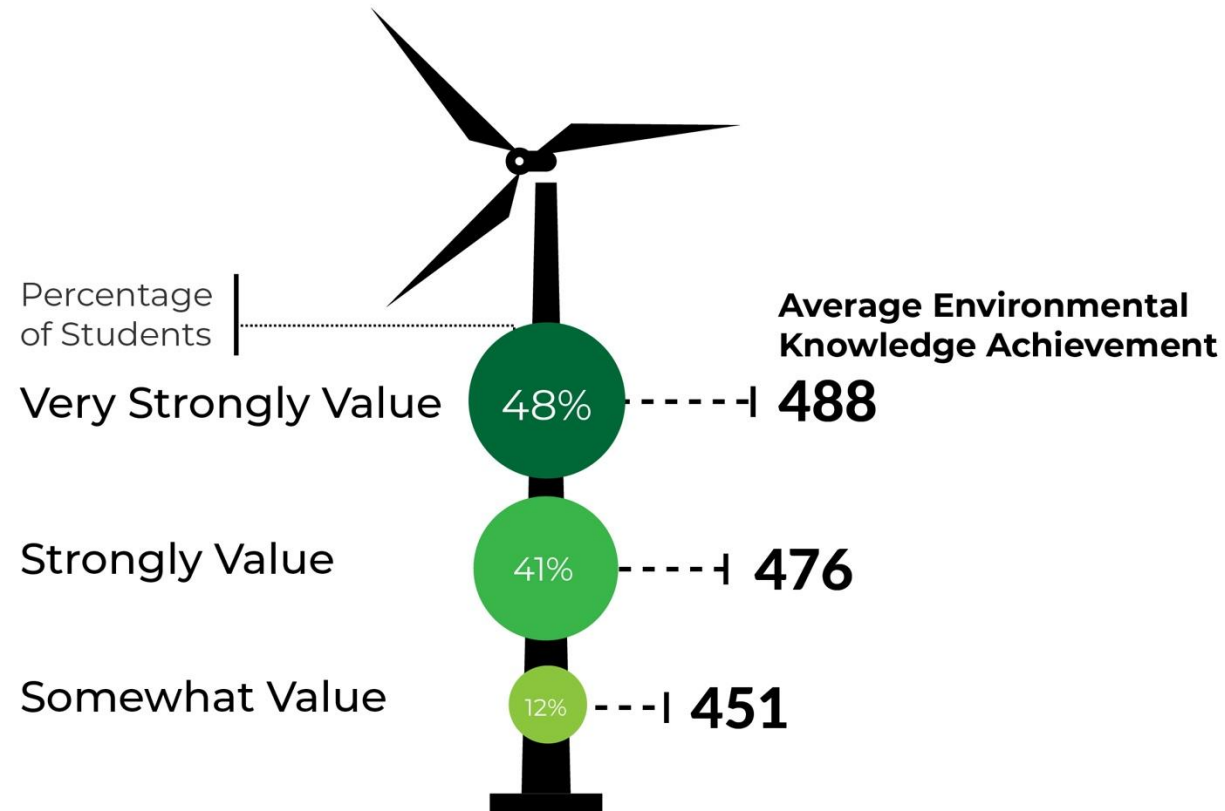
School Emphasis on Academic Success - Principals' Reports



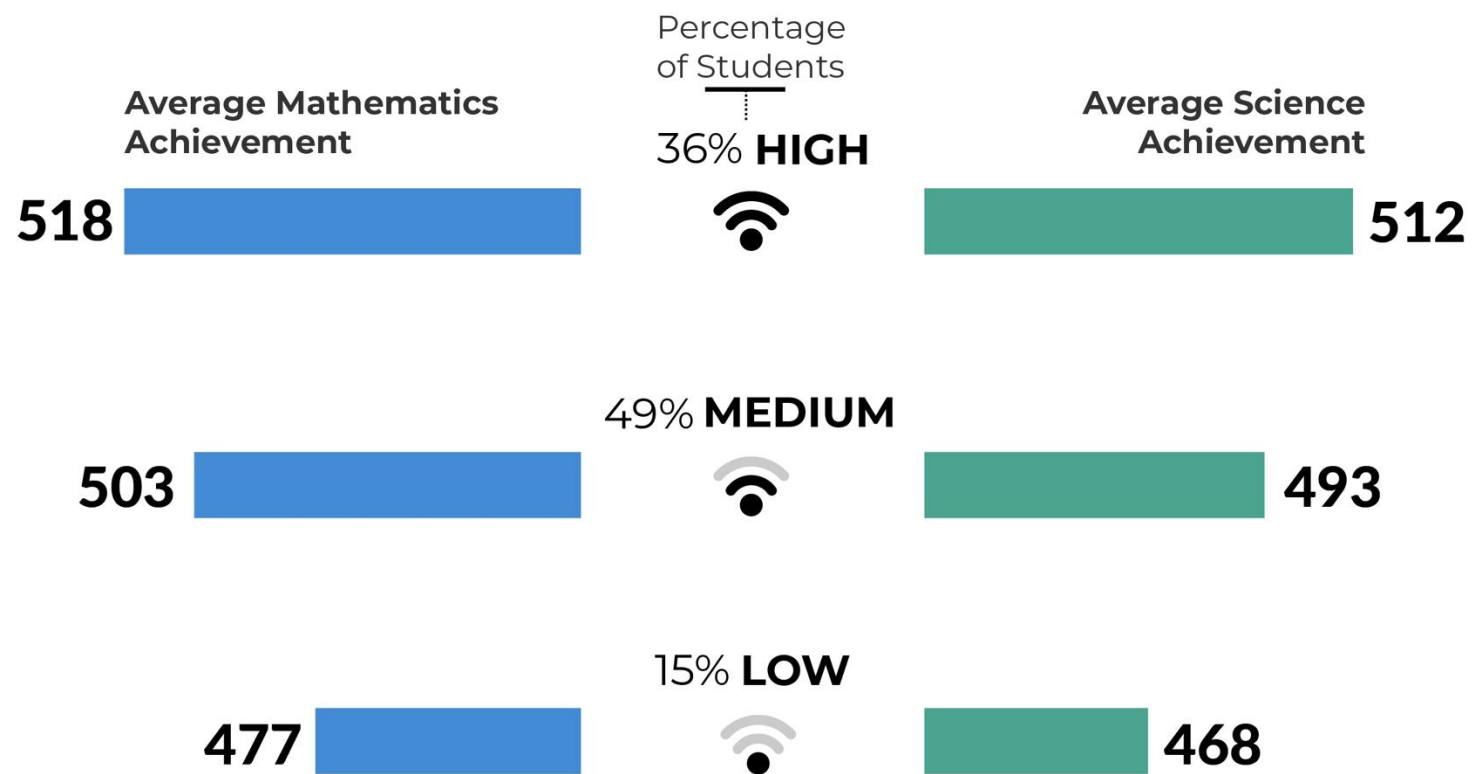
Students Value Environmental Preservation



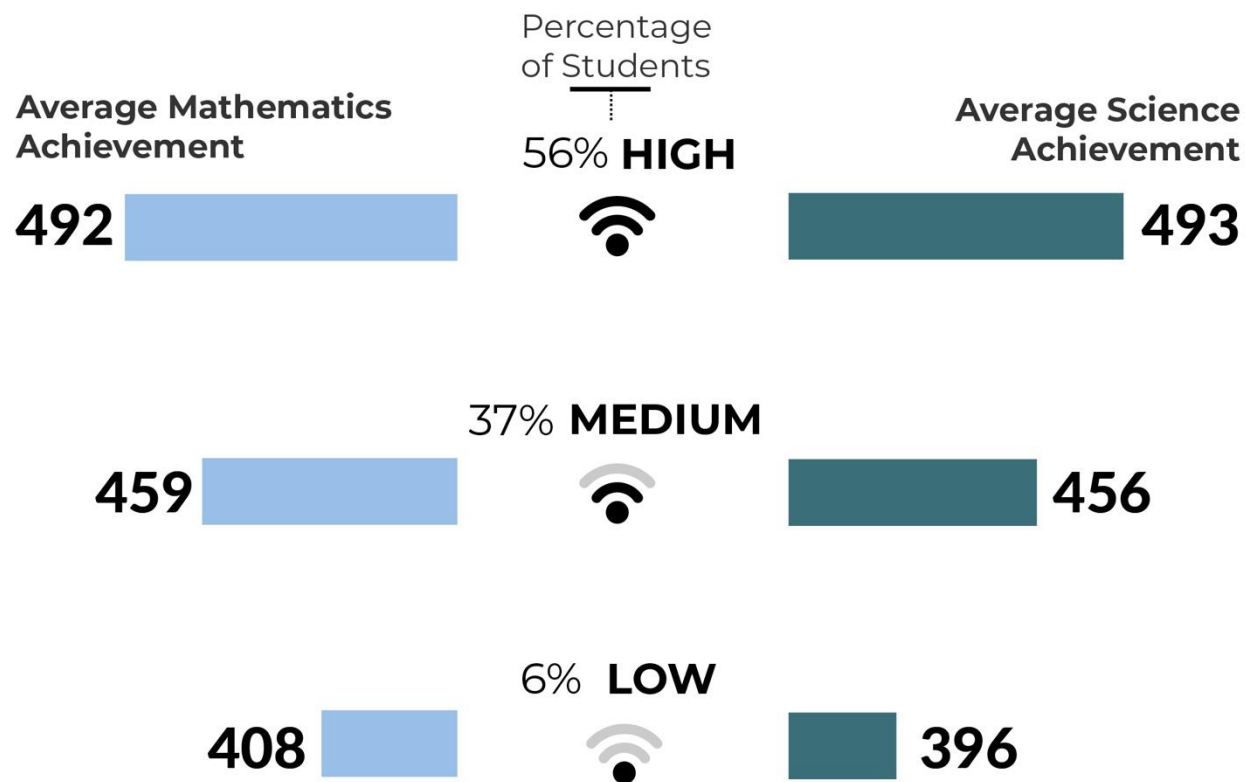
Students Value Environmental Preservation



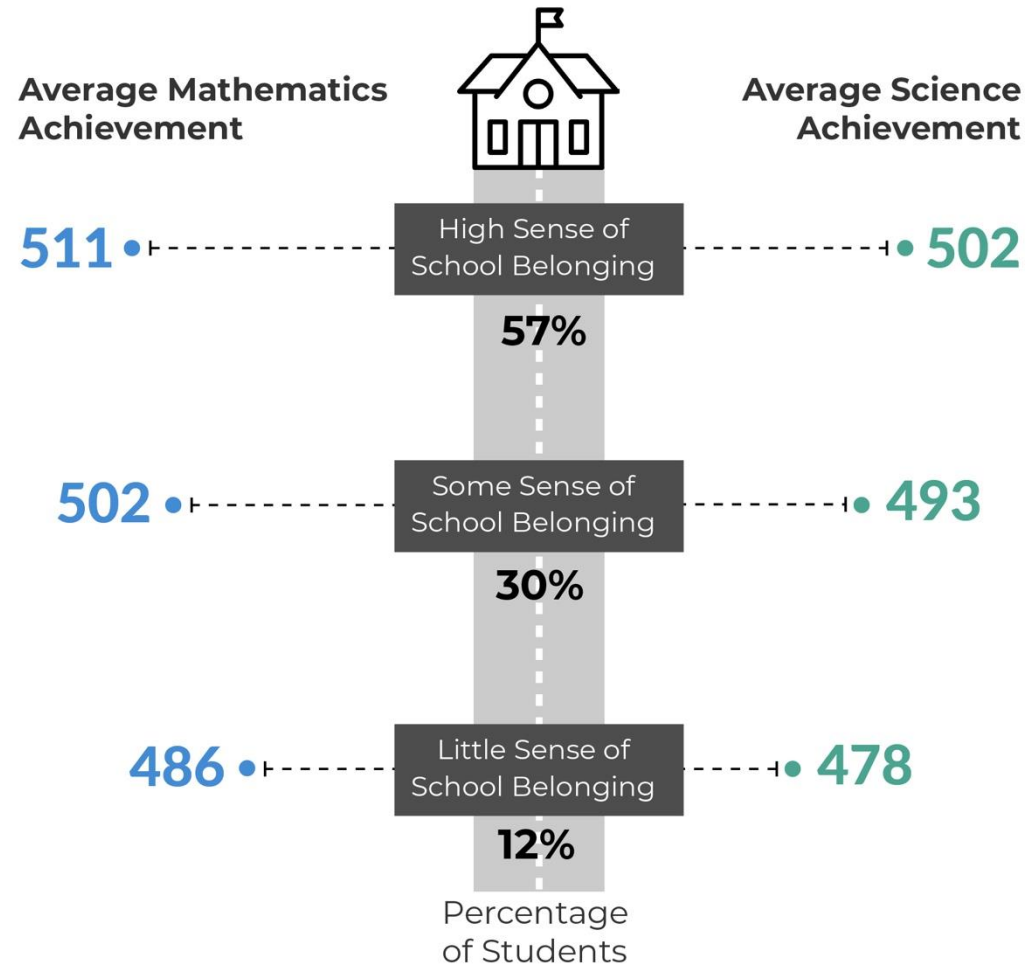
Students' Digital Self-Efficacy



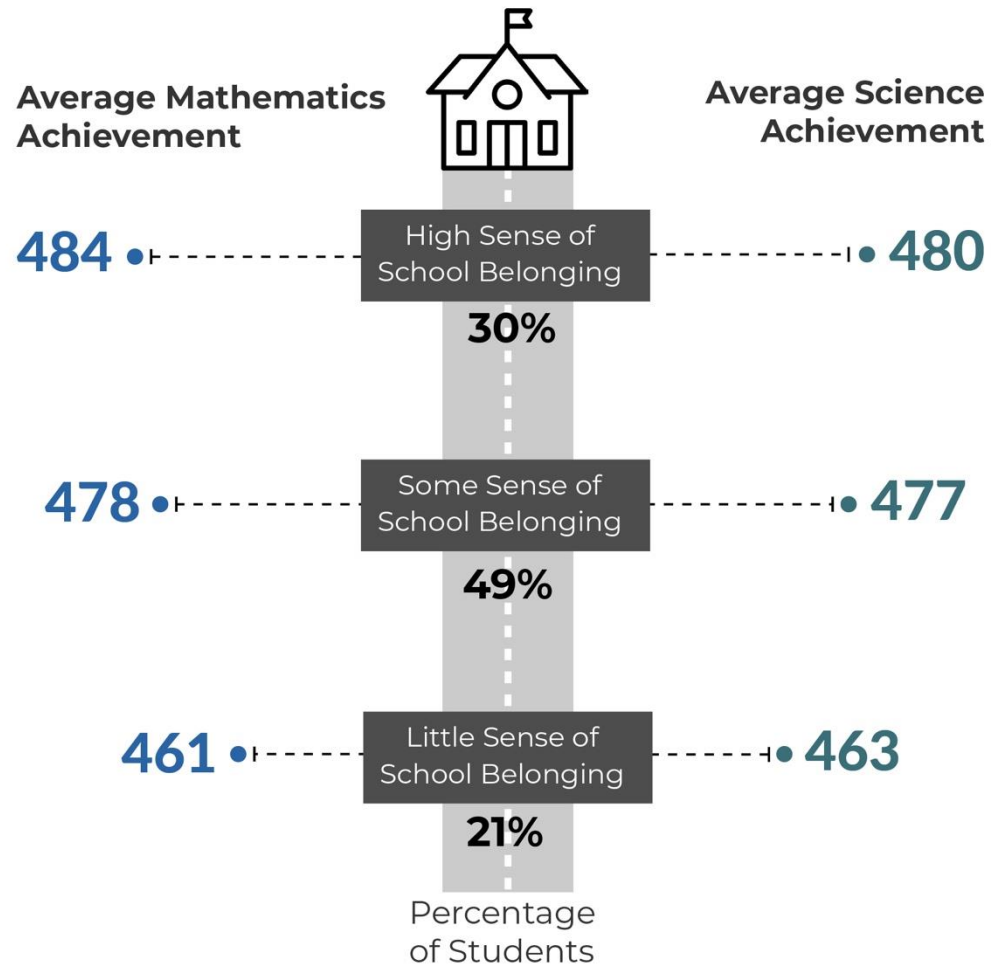
Students' Digital Self-Efficacy



Students' Sense of School Belonging

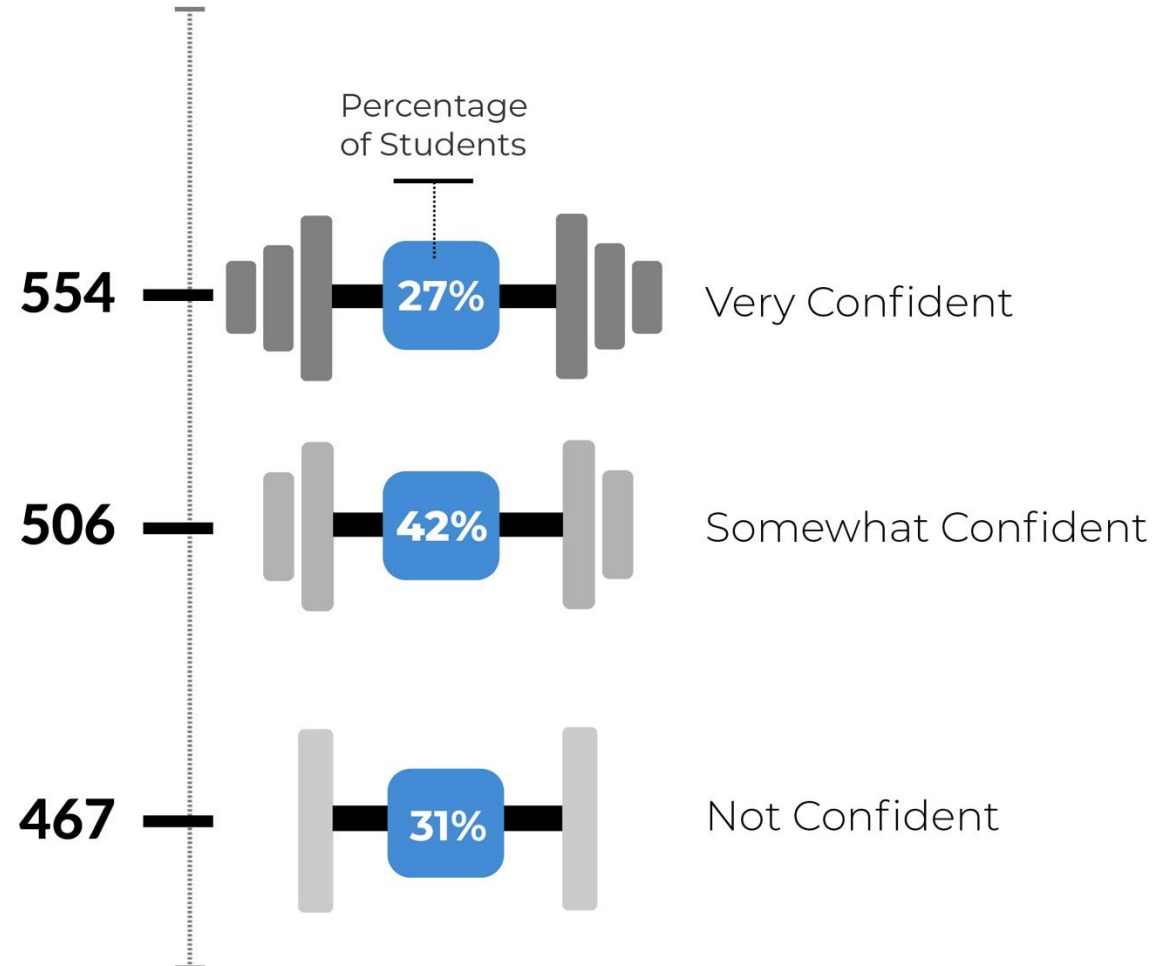


Students' Sense of School Belonging



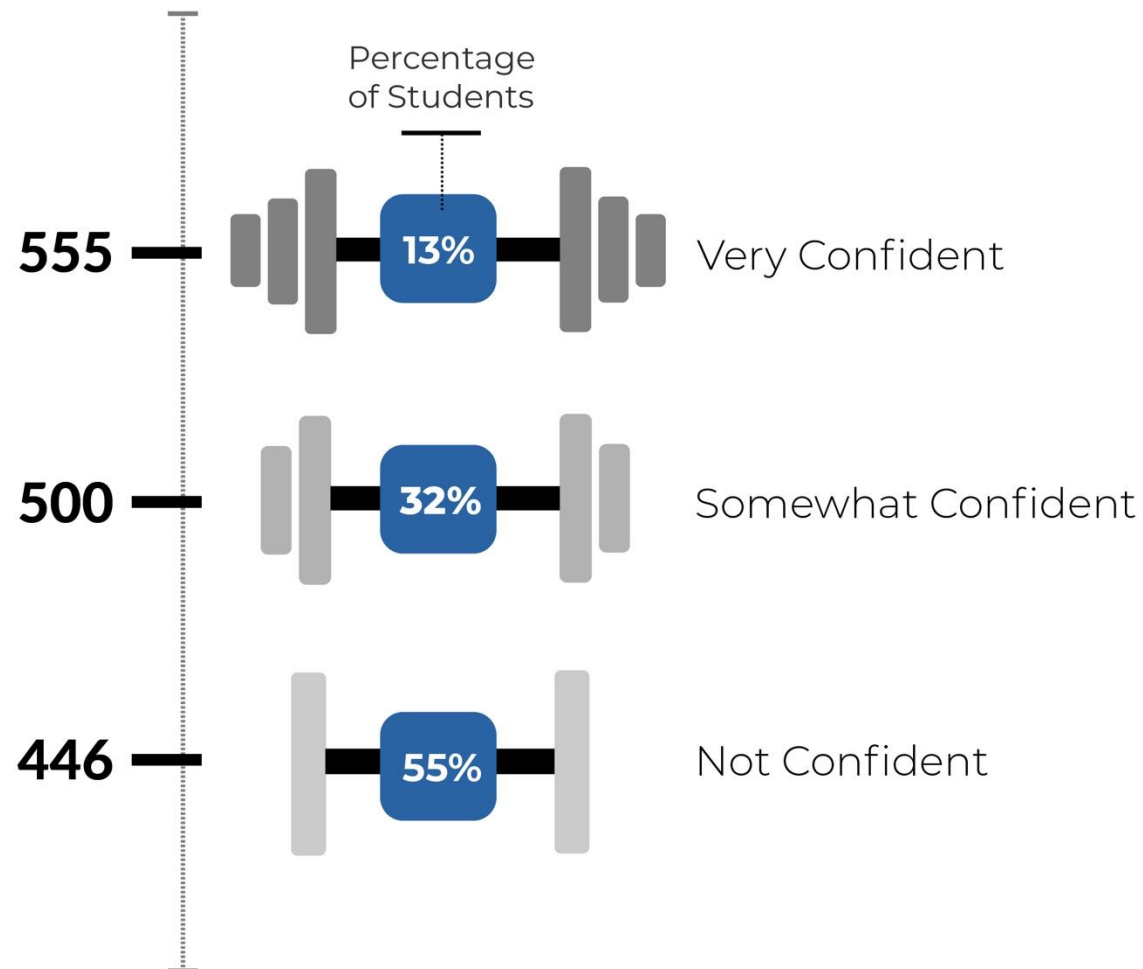
Students Confident in Mathematics

Average Mathematics Achievement



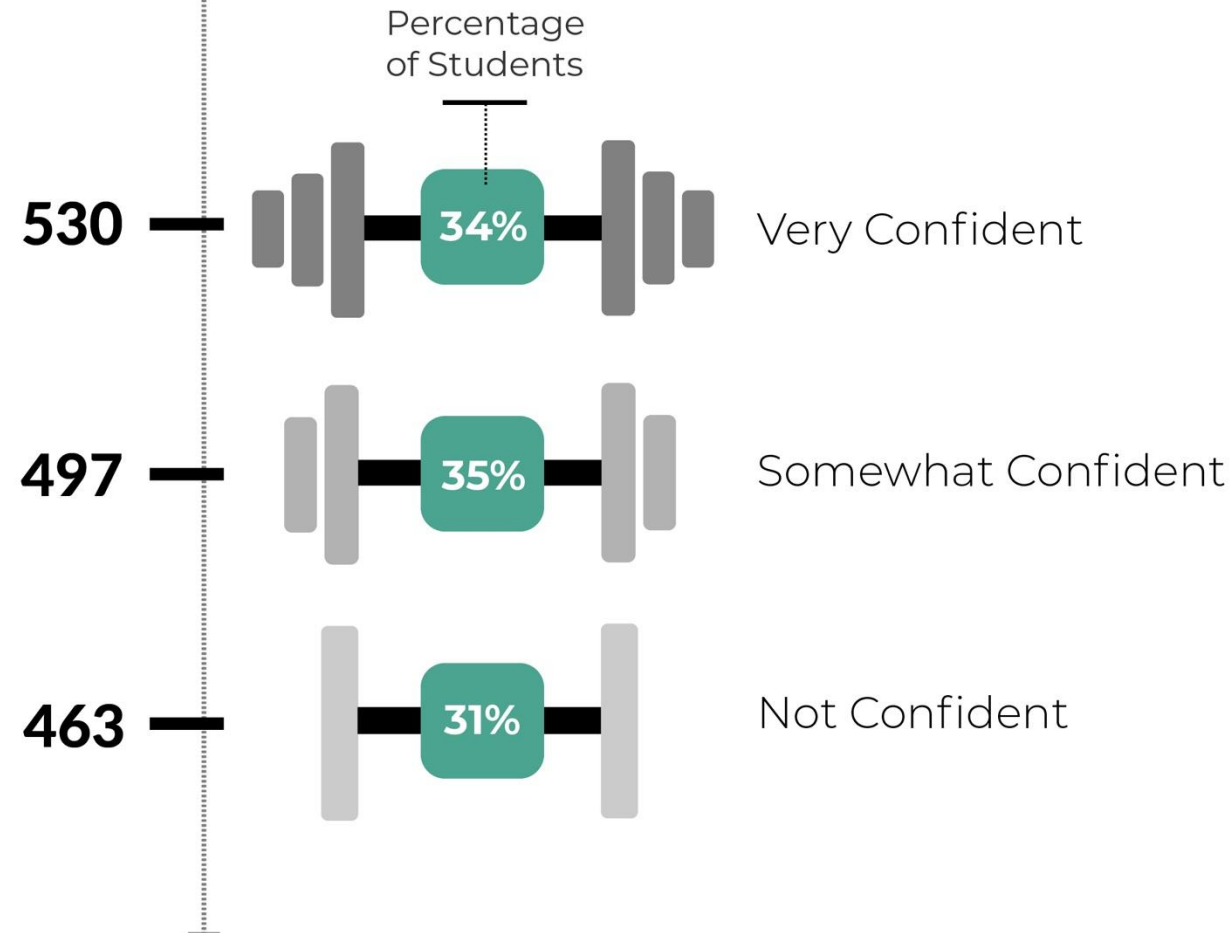
Students Confident in Mathematics

Average Mathematics Achievement



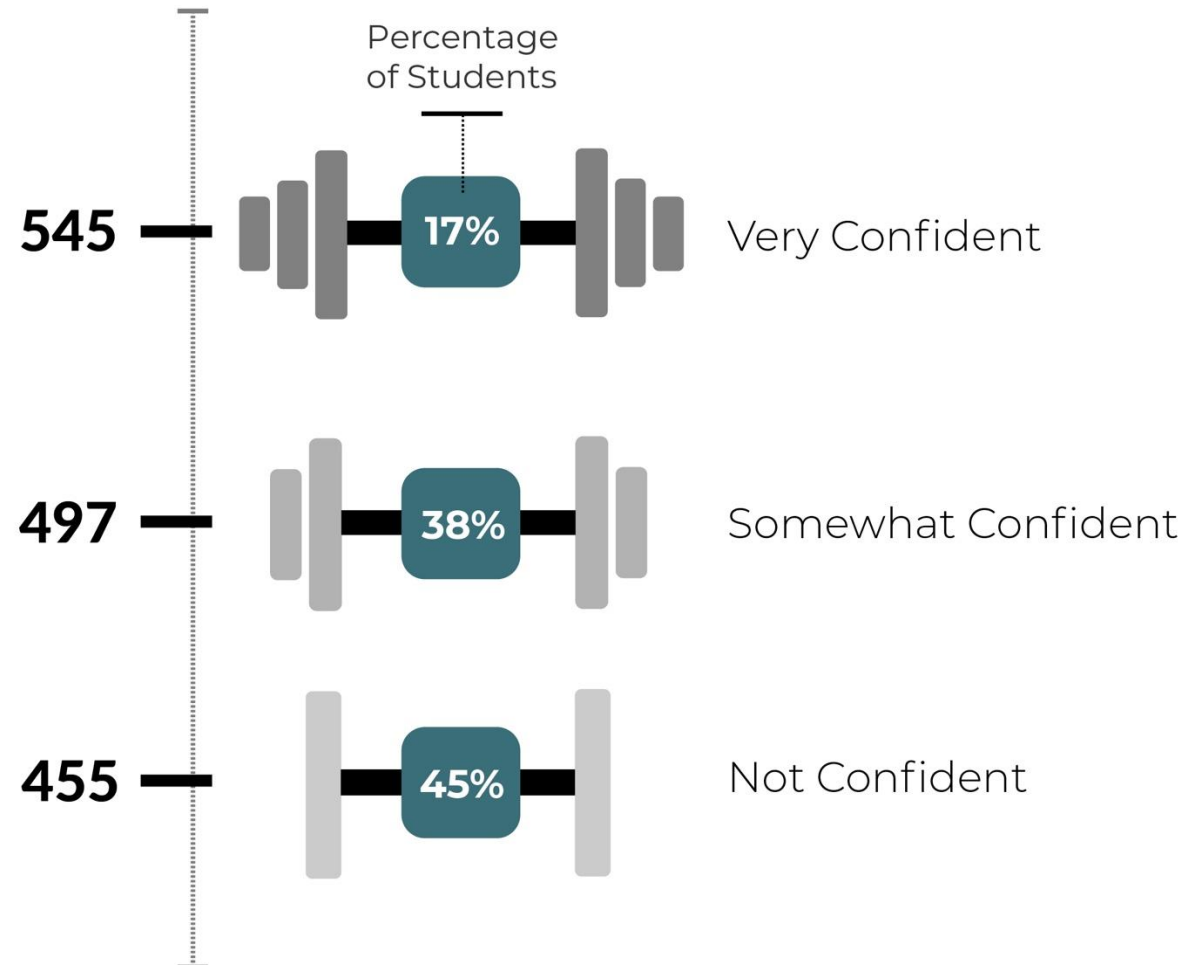
Students Confident in Science

Average Science
Achievement

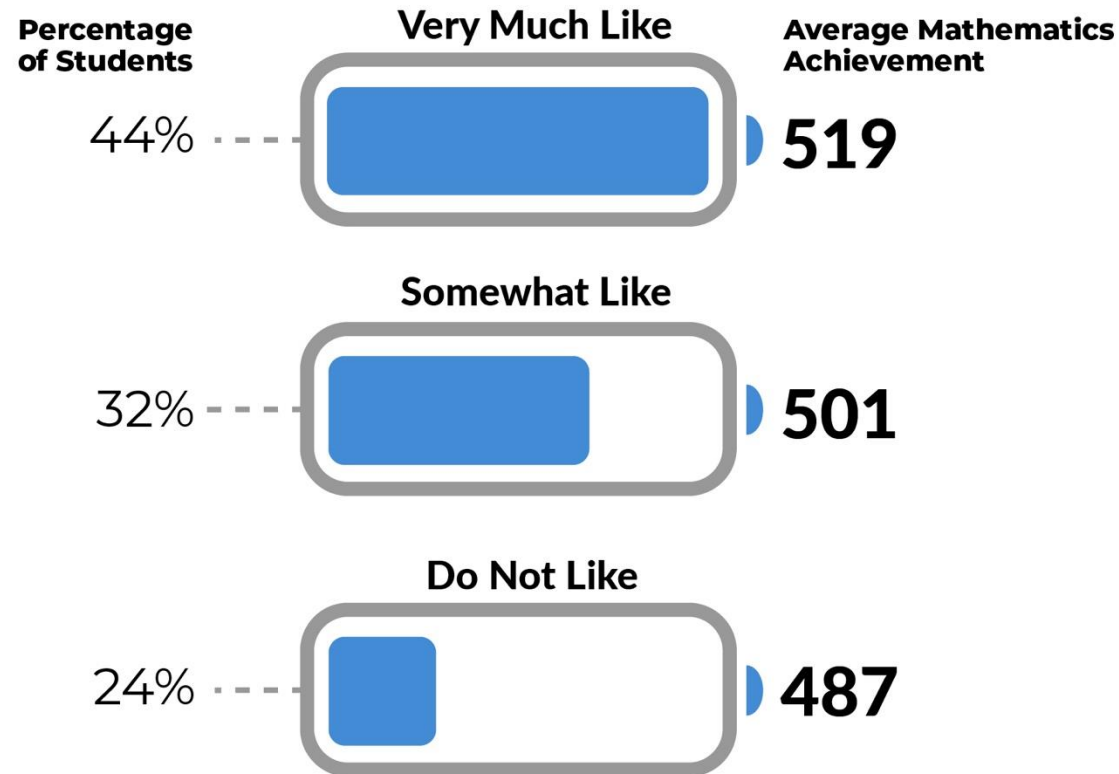


Students Confident in Science

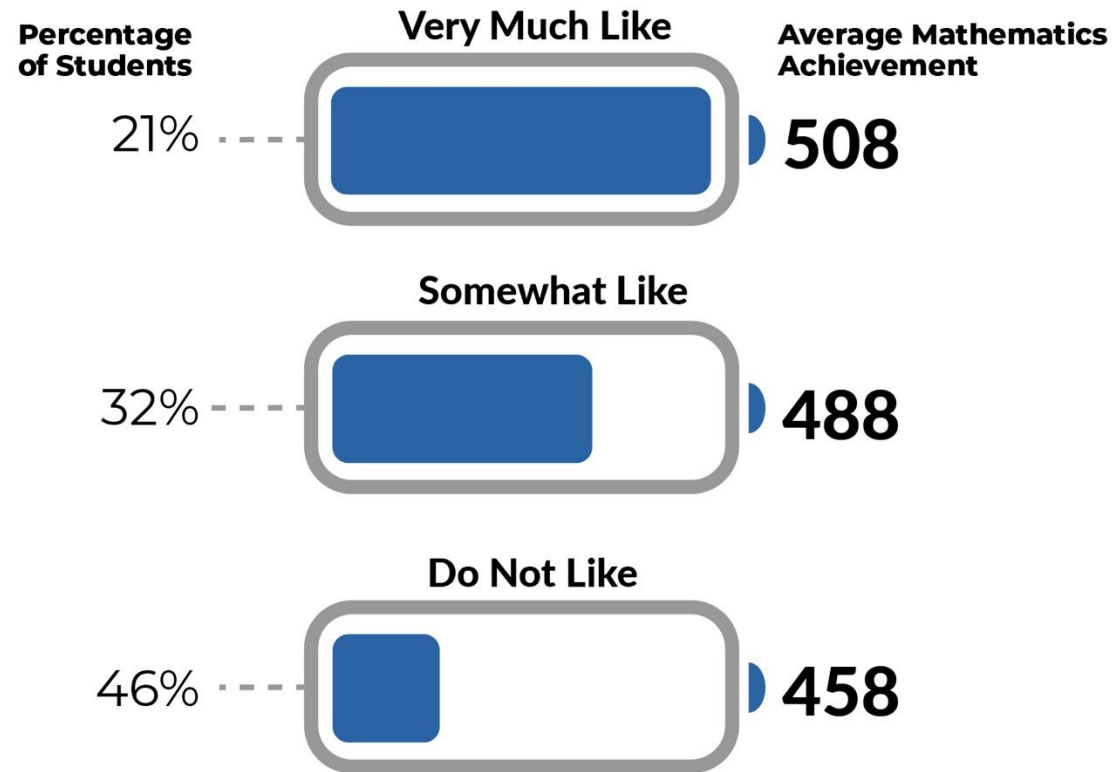
Average Science Achievement



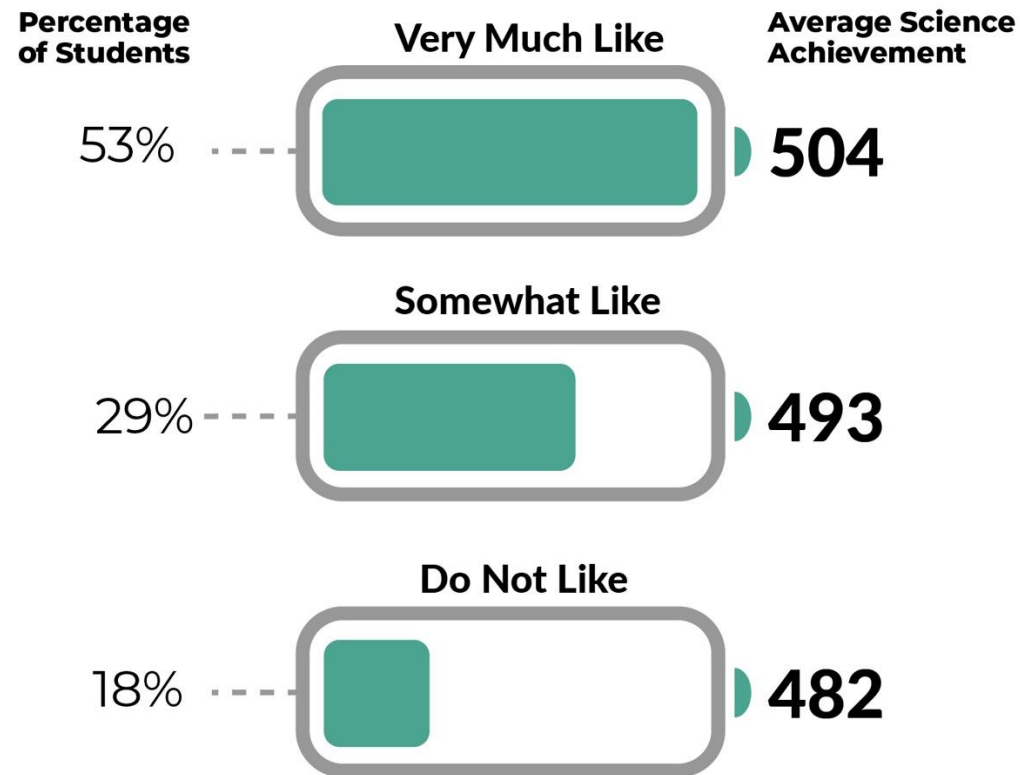
Students Like Learning Mathematics



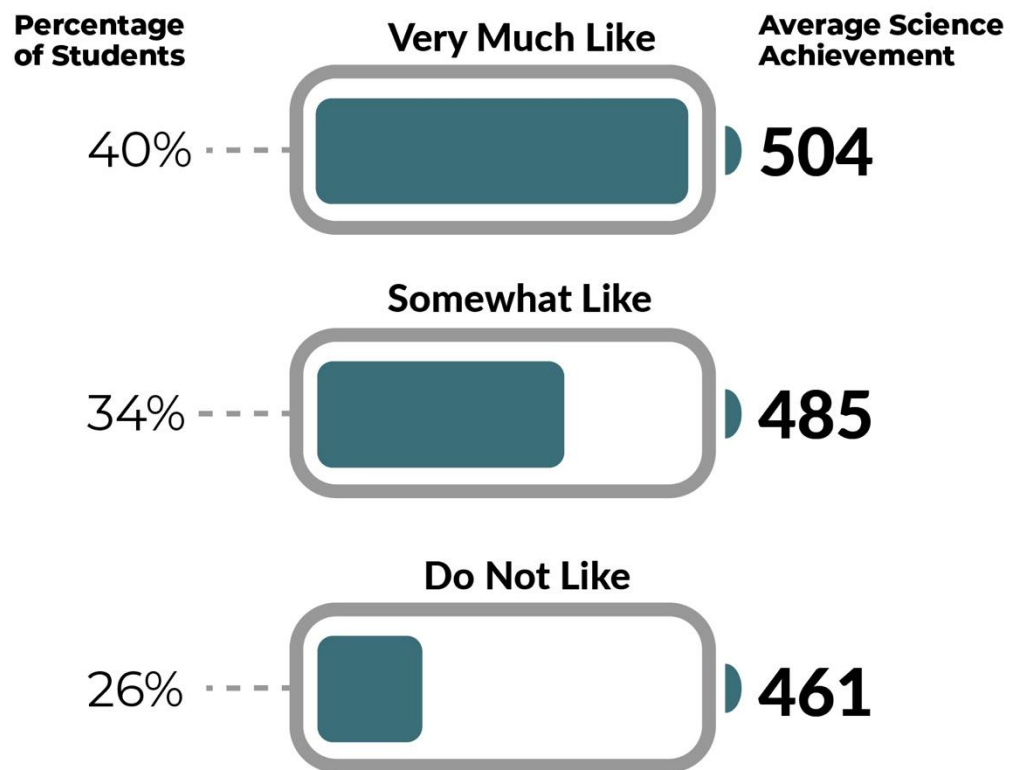
Students Like Learning Mathematics



Students Like Learning Science



Students Like Learning Science





TIMSS & PIRLS
BOSTON COLLEGE

To access the international report with full findings, go to:

<https://www.iea.nl/publications/timss-2023-international-report>