

TIMSS-L Infographic Presentation

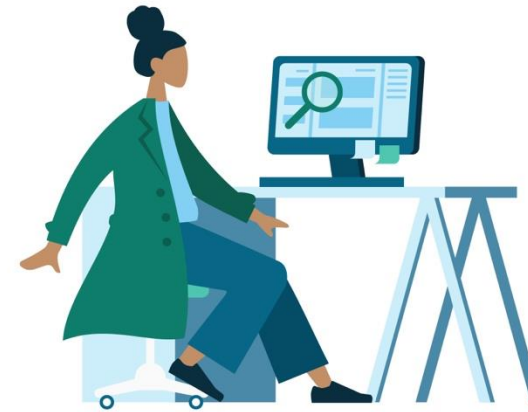


TIMSS 2023 Longitudinal

The first-ever student-level longitudinal extension of TIMSS



Followed the same sample of students from 2023 to 2024 to track their growth directly



Re-administered context questionnaires to explore factors related to rate of growth



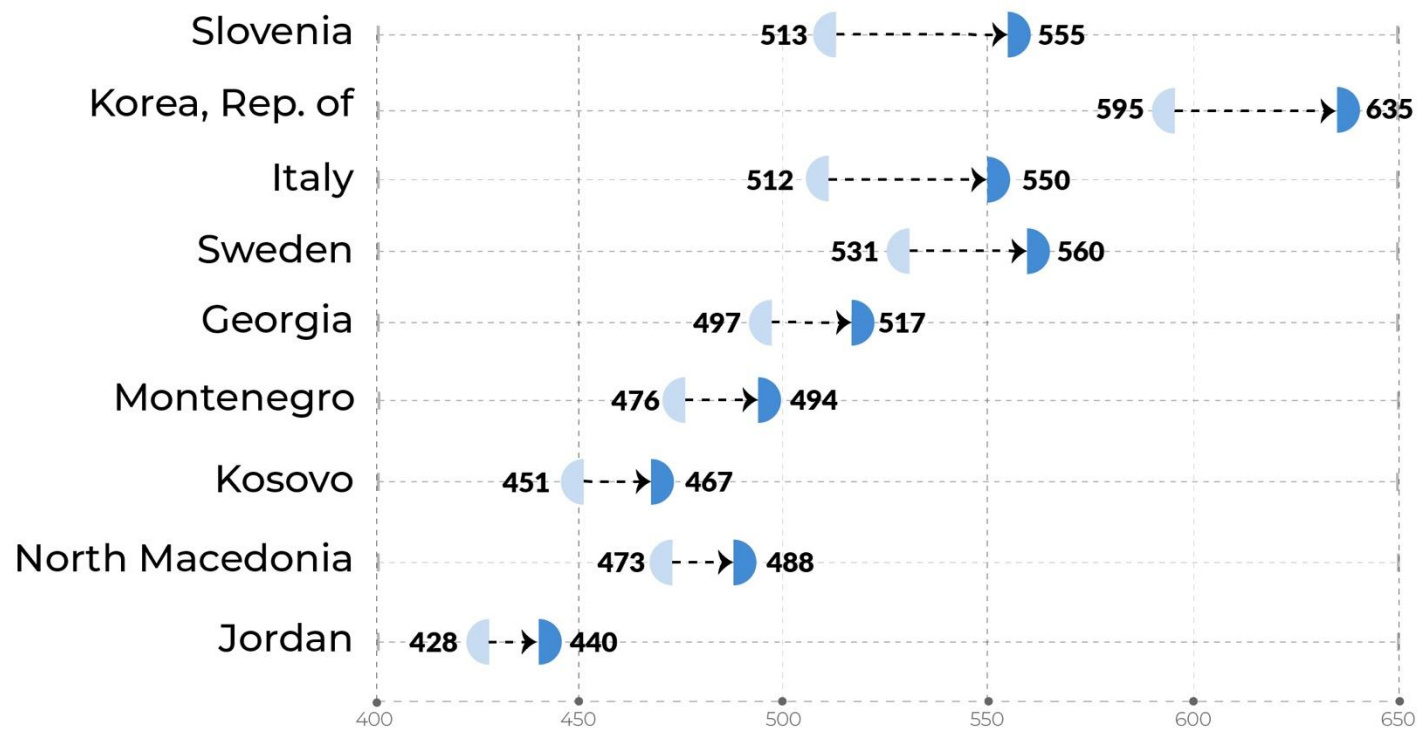
Grade 5 Participants

Georgia	Montenegro
Italy	North Macedonia
Kosovo	Slovenia

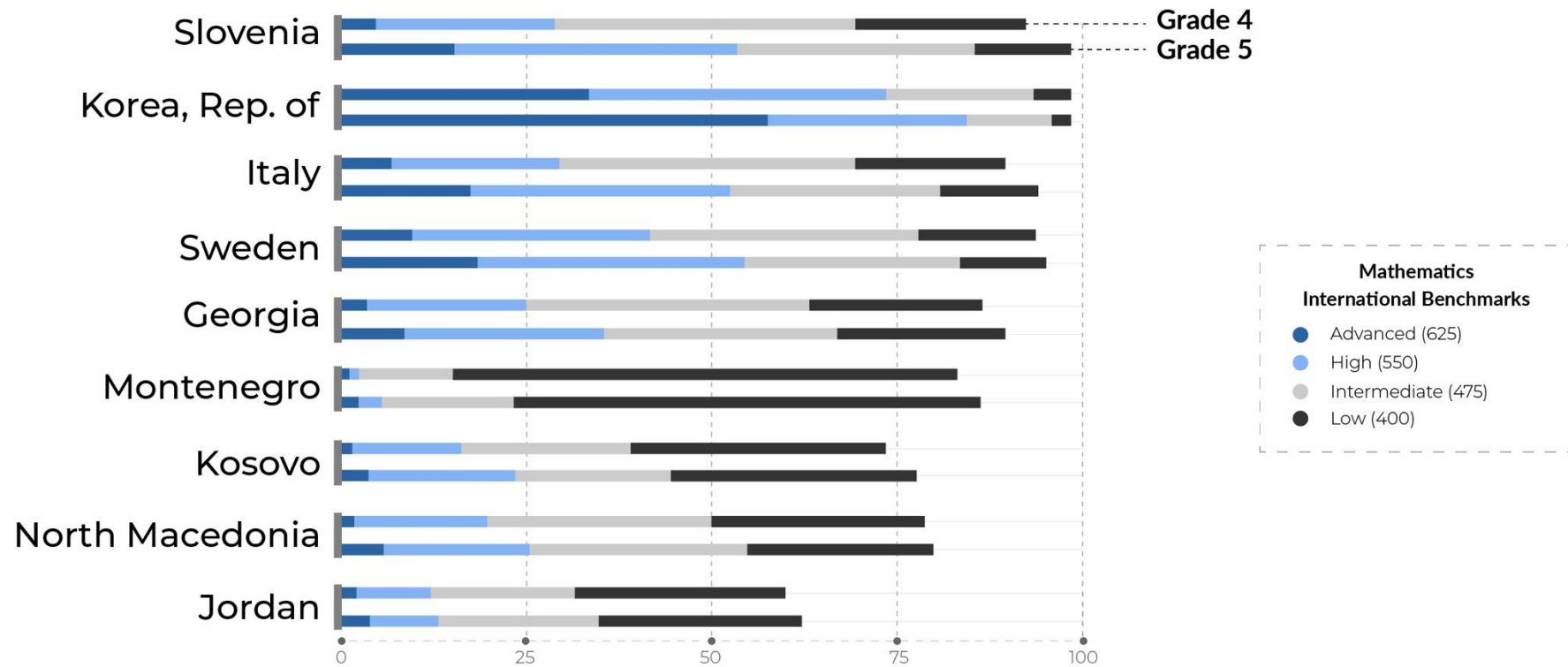
Grade 5 and 9 Participants

Jordan
Korea, Rep. of
Sweden

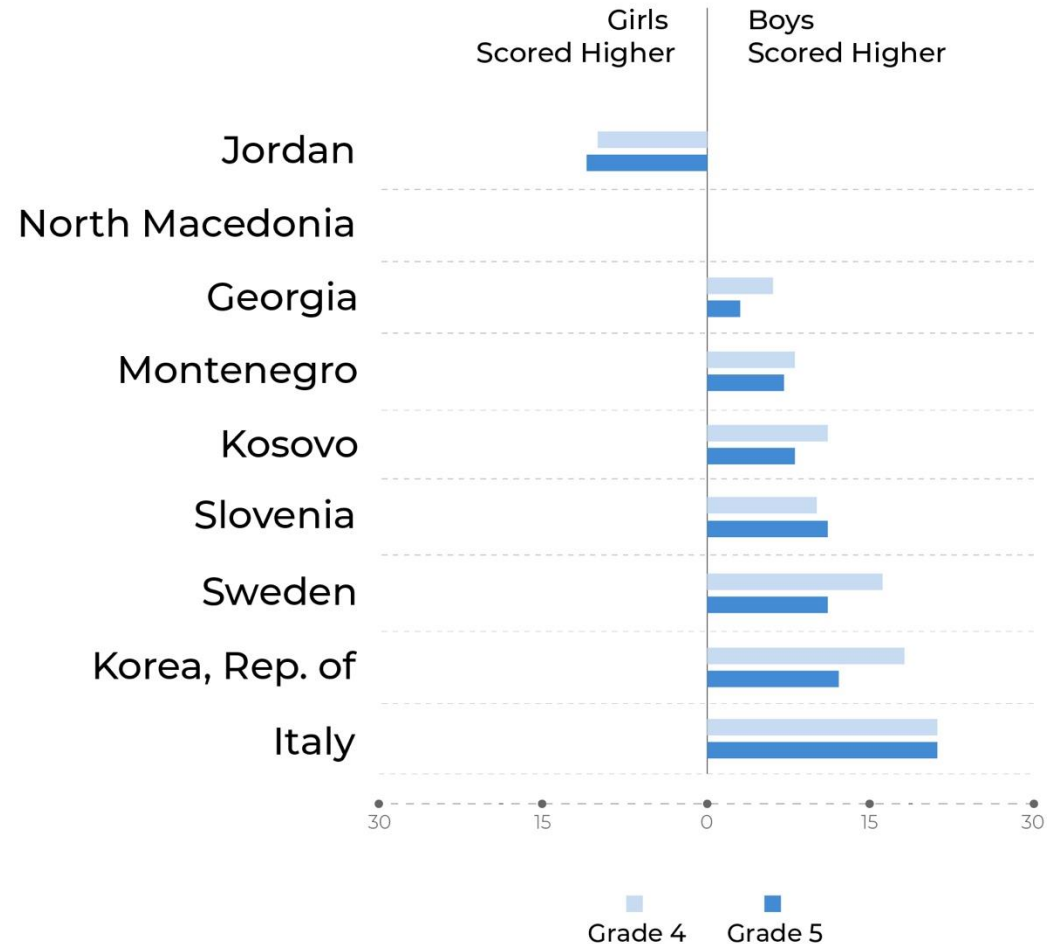
Average Growth in Mathematics Achievement



Percentages of Students Reaching International Benchmarks

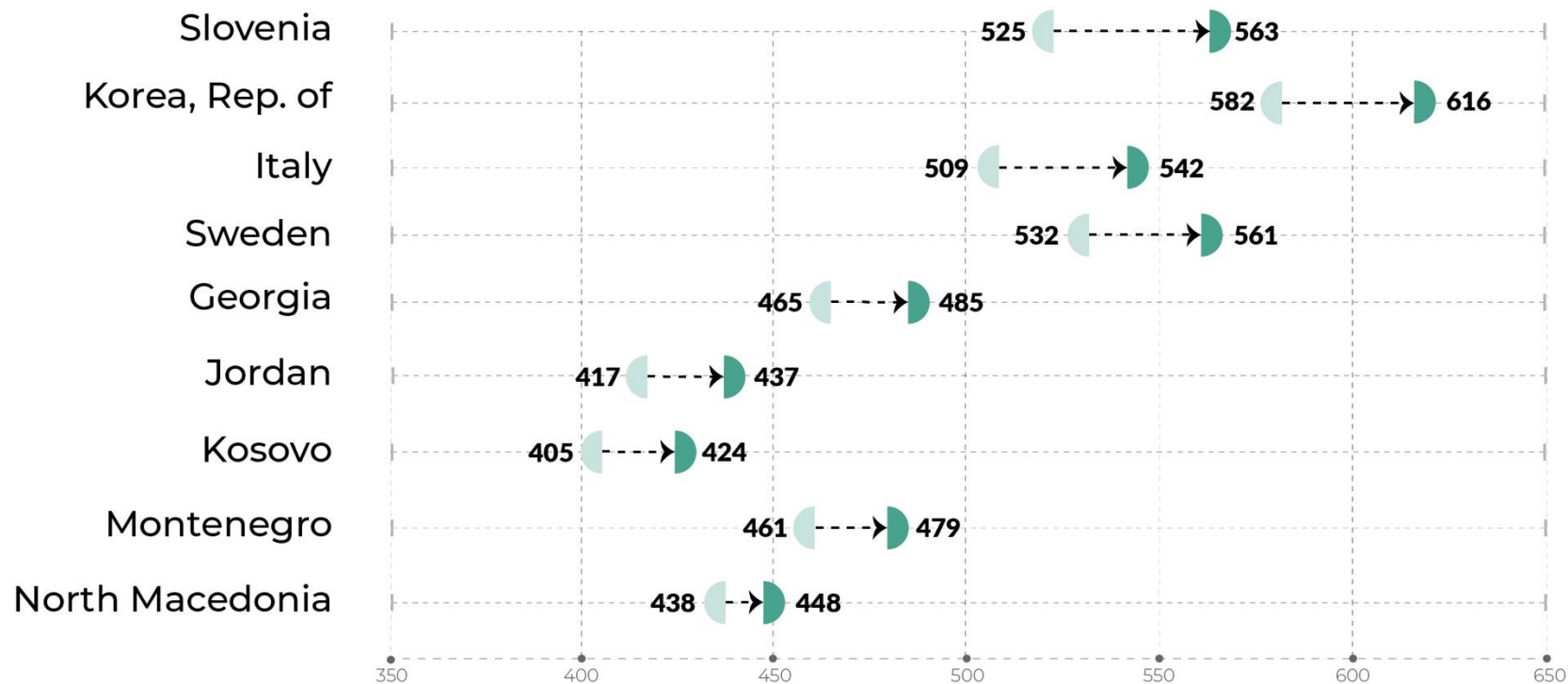


Average Mathematics Achievement Differences for Girls and Boys

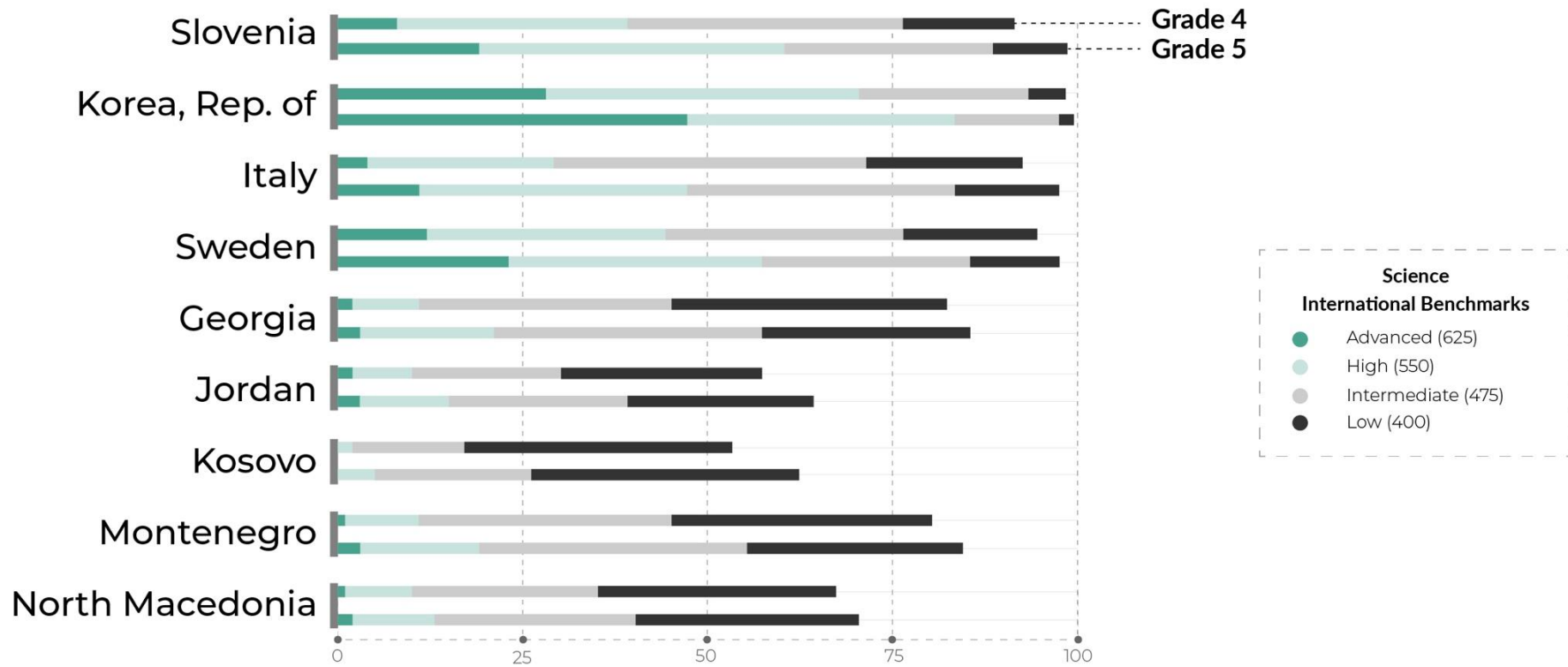


Average Growth in Science Achievement

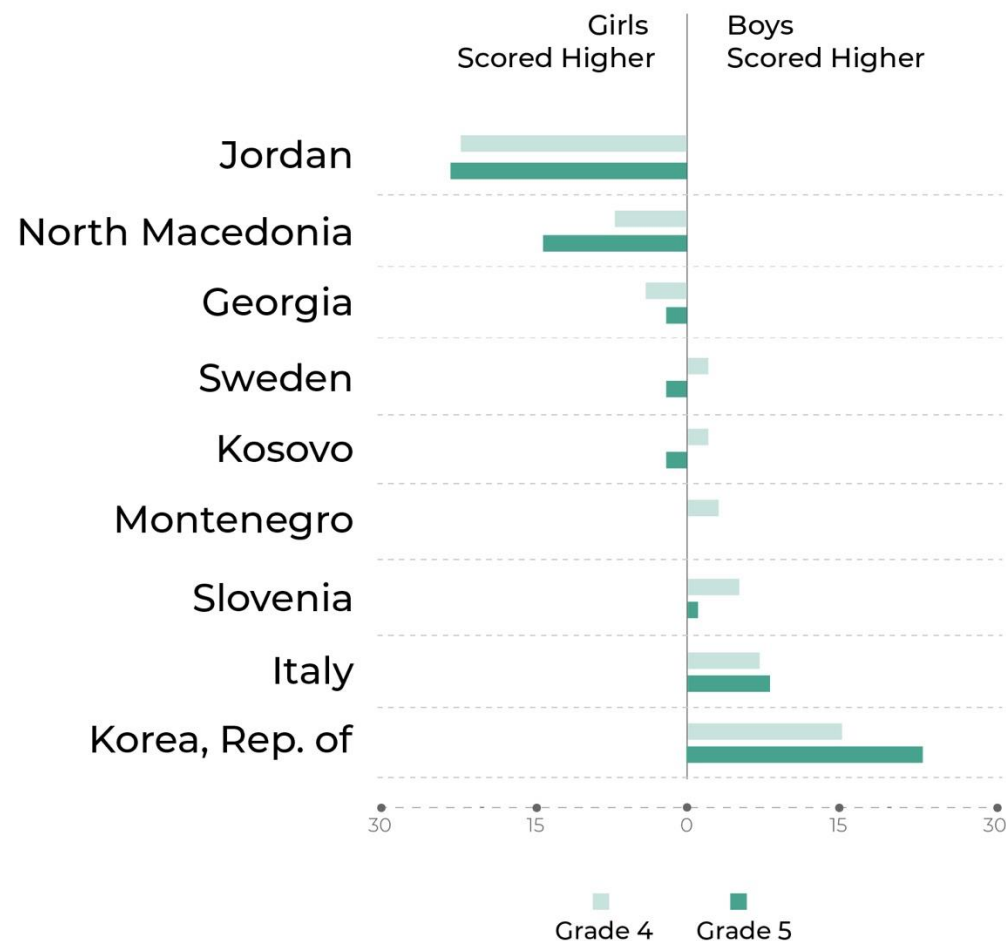
GRADES
4-5
Science



Percentages of Students Reaching International Benchmarks

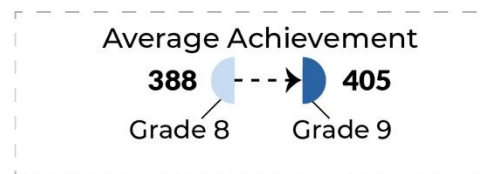
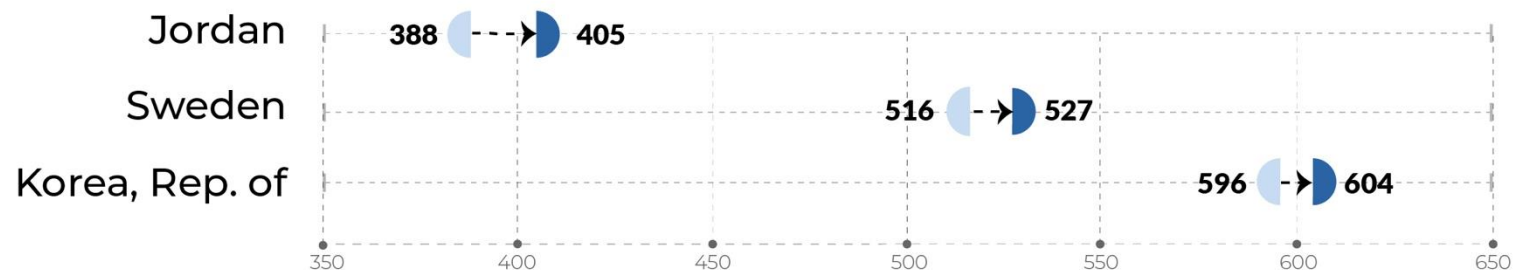


Average Science Achievement Differences for Girls and Boys

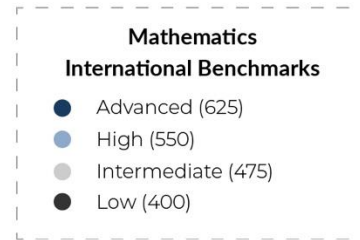
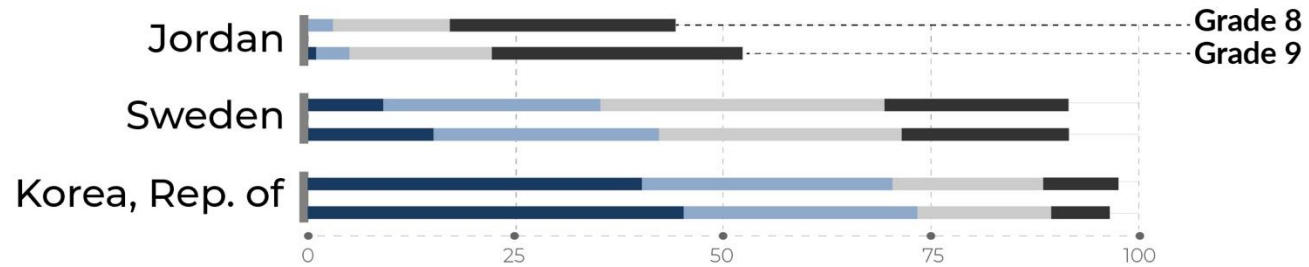


Average Growth in Mathematics Achievement

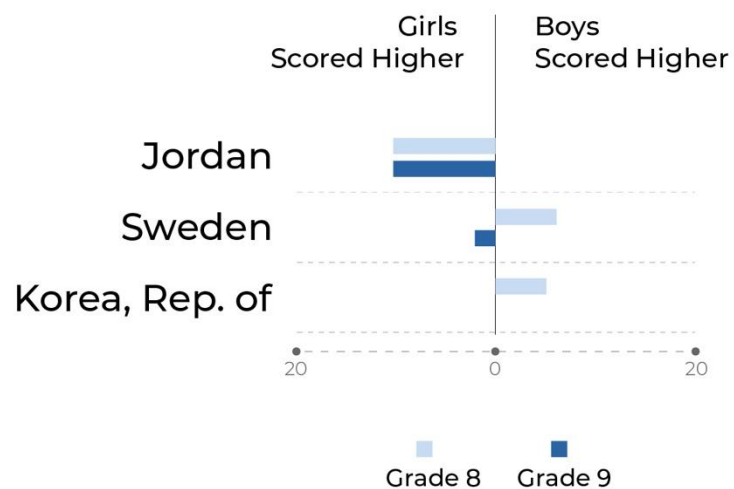
GRADES
8-9
Mathematics



Percentages of Students Reaching International Benchmarks

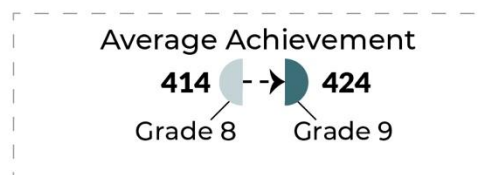
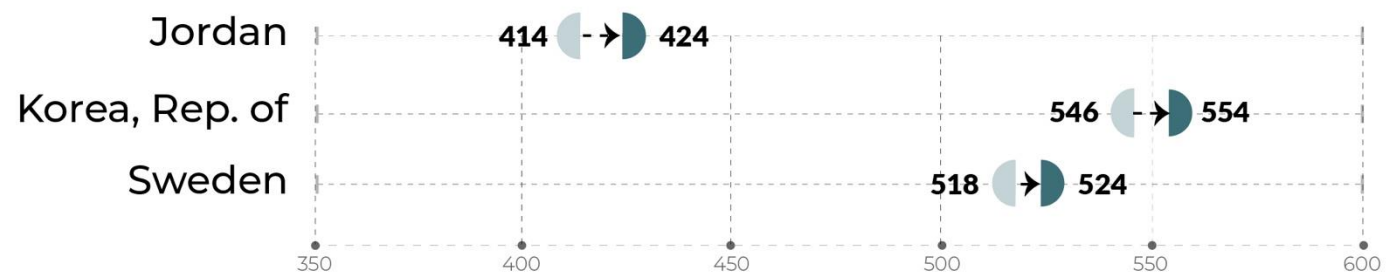


Average Mathematics Achievement Differences for Girls and Boys

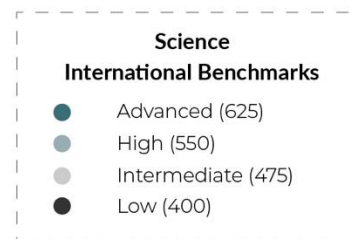
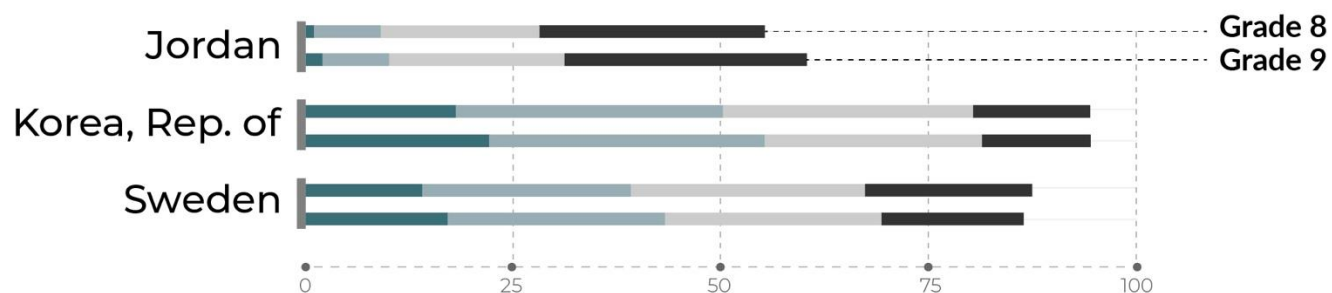


Average Growth in Science Achievement

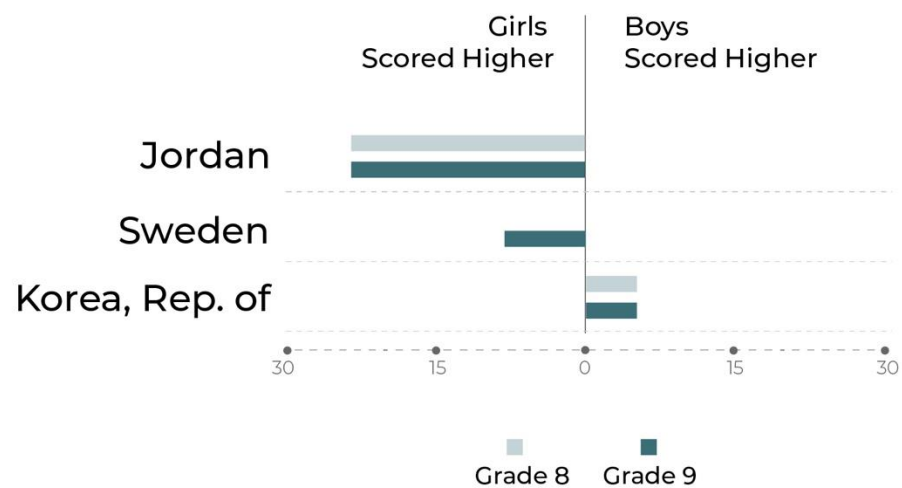
GRADES
8-9
Science



Percentages of Students Reaching International Benchmarks

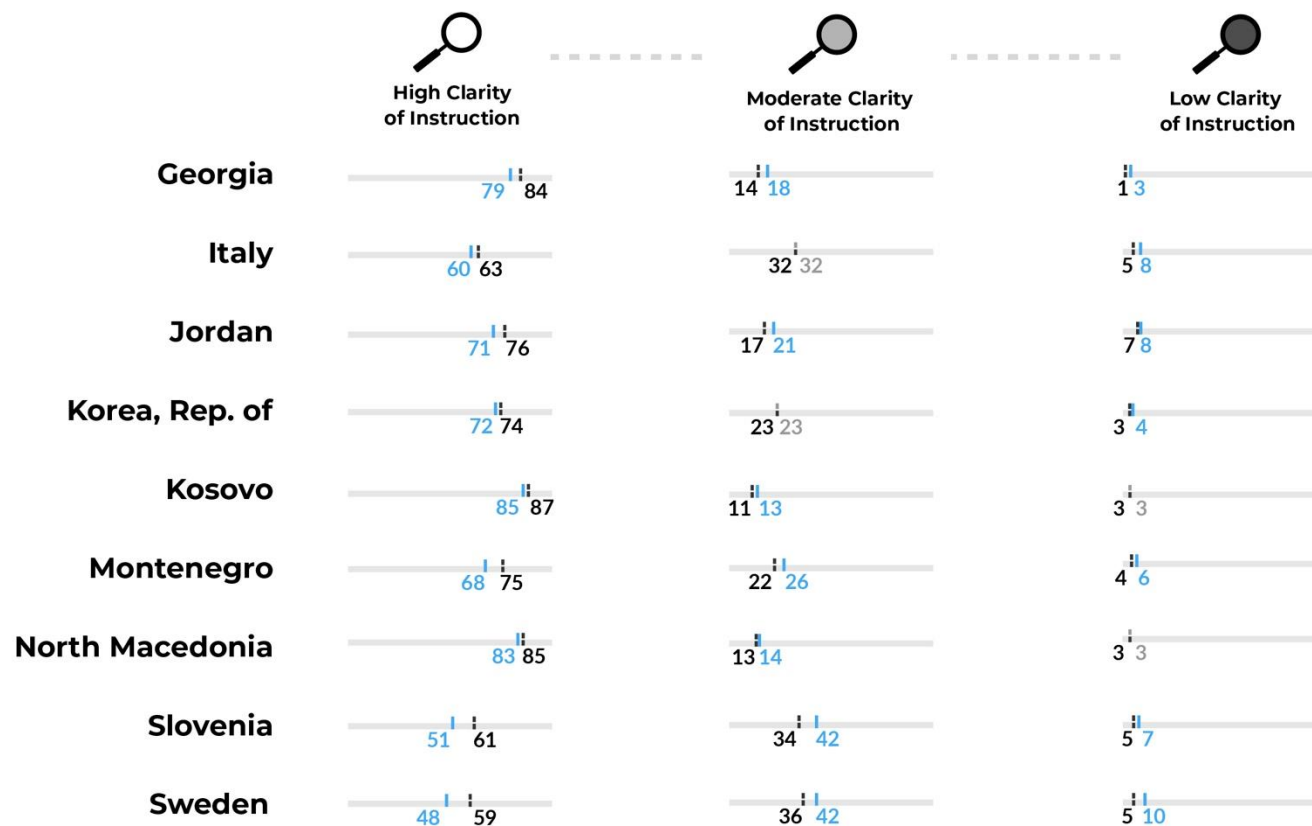


Average Science Achievement Differences for Girls and Boys



Instructional Clarity in Mathematics Lessons

GRADES
4-5
Mathematics



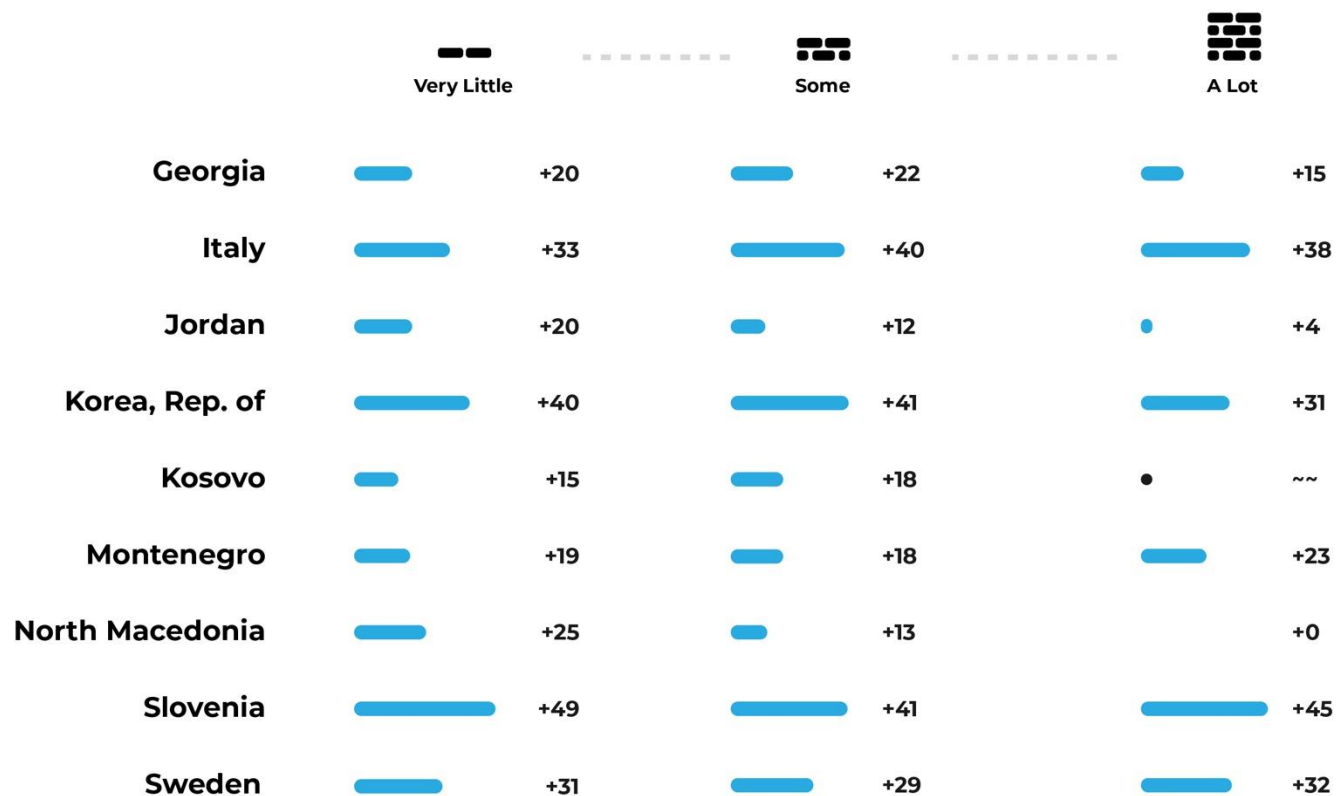
Change in Percent of Students (%)



Students Like Learning Mathematics and Growth in Mathematics Achievement



Classroom Teaching Limited by Students Not Ready for Instruction and Growth in Mathematics Achievement



+20 Average Growth in Achievement

A tilde (~) indicates insufficient data to report result.

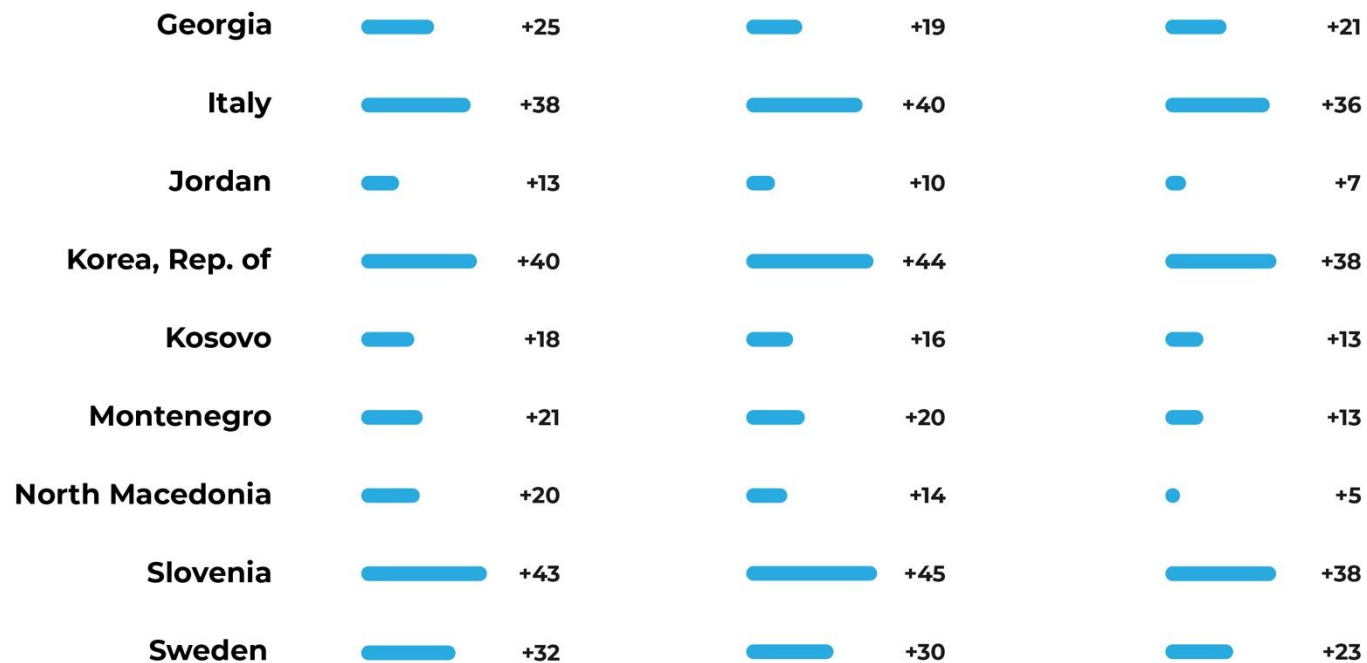
Students' Sense of School Belonging and Growth in Mathematics Achievement



High Sense of
School Belonging

Some Sense of
School Belonging

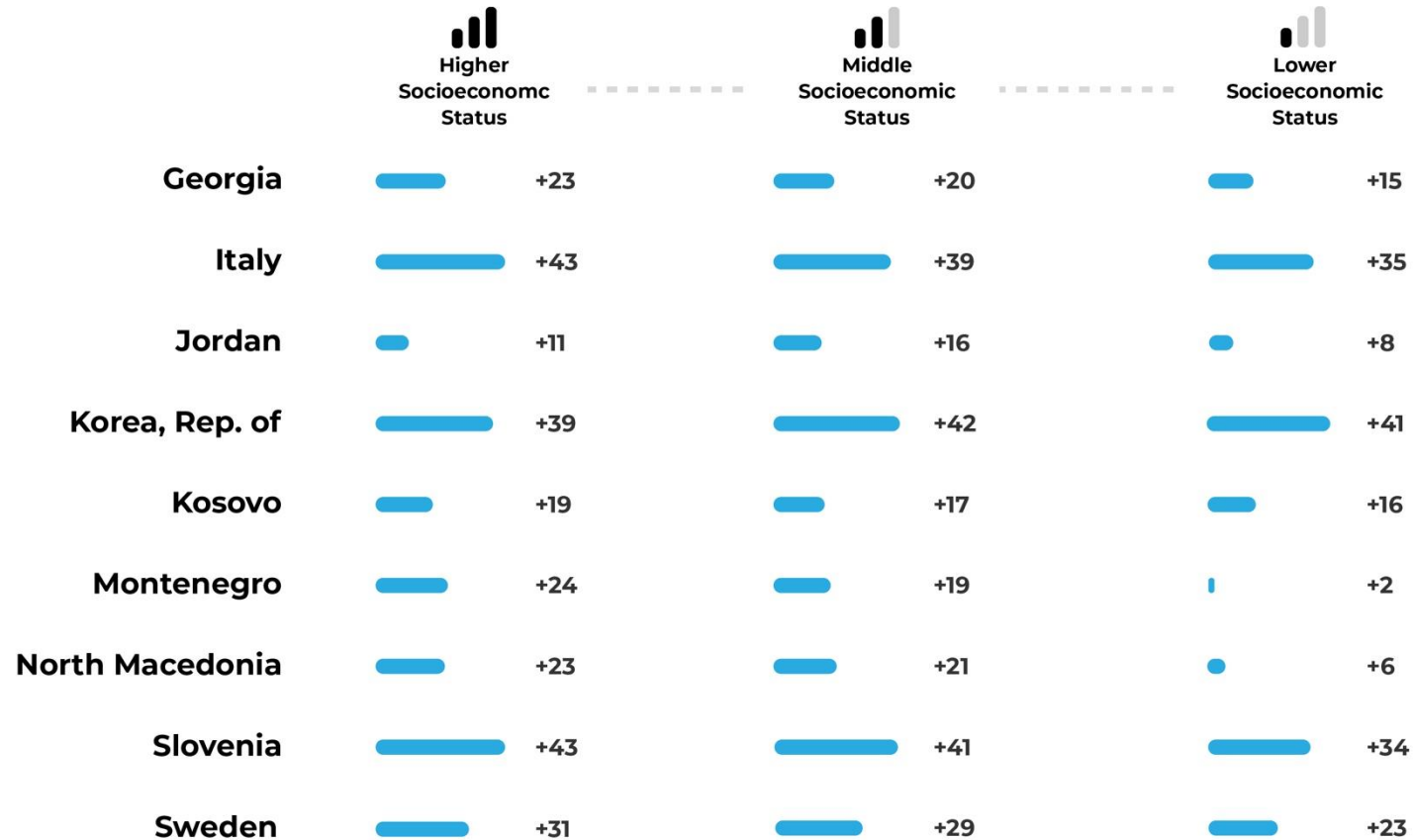
Little Sense of
School Belonging



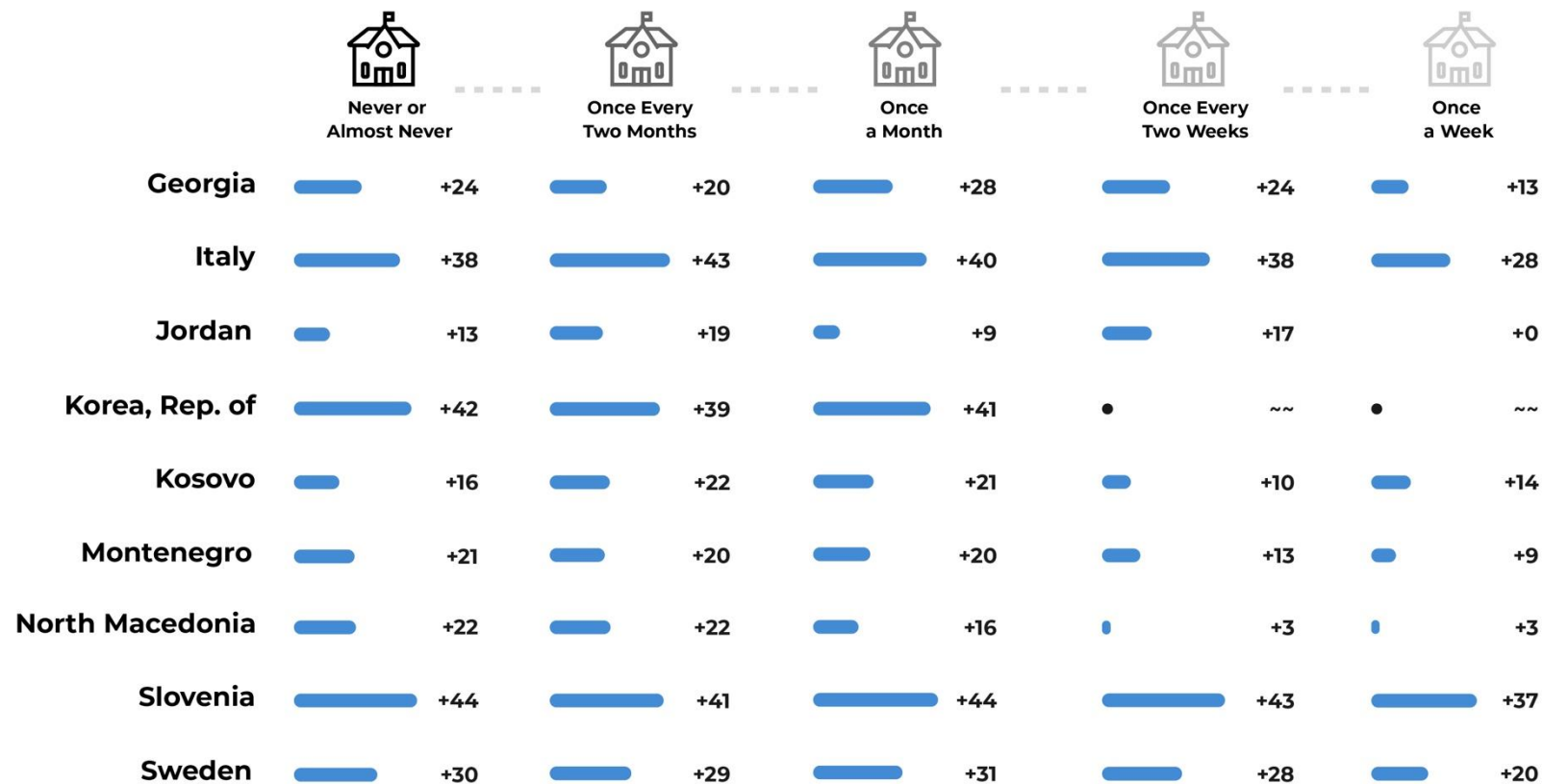
+25

Average Growth
in Achievement

Home Socioeconomic Status and Growth in Mathematics Achievement



Frequency of Student Absences and Growth in Mathematics Achievement



+24 Average Growth in Achievement

A tilde (~) indicates insufficient data to report result.

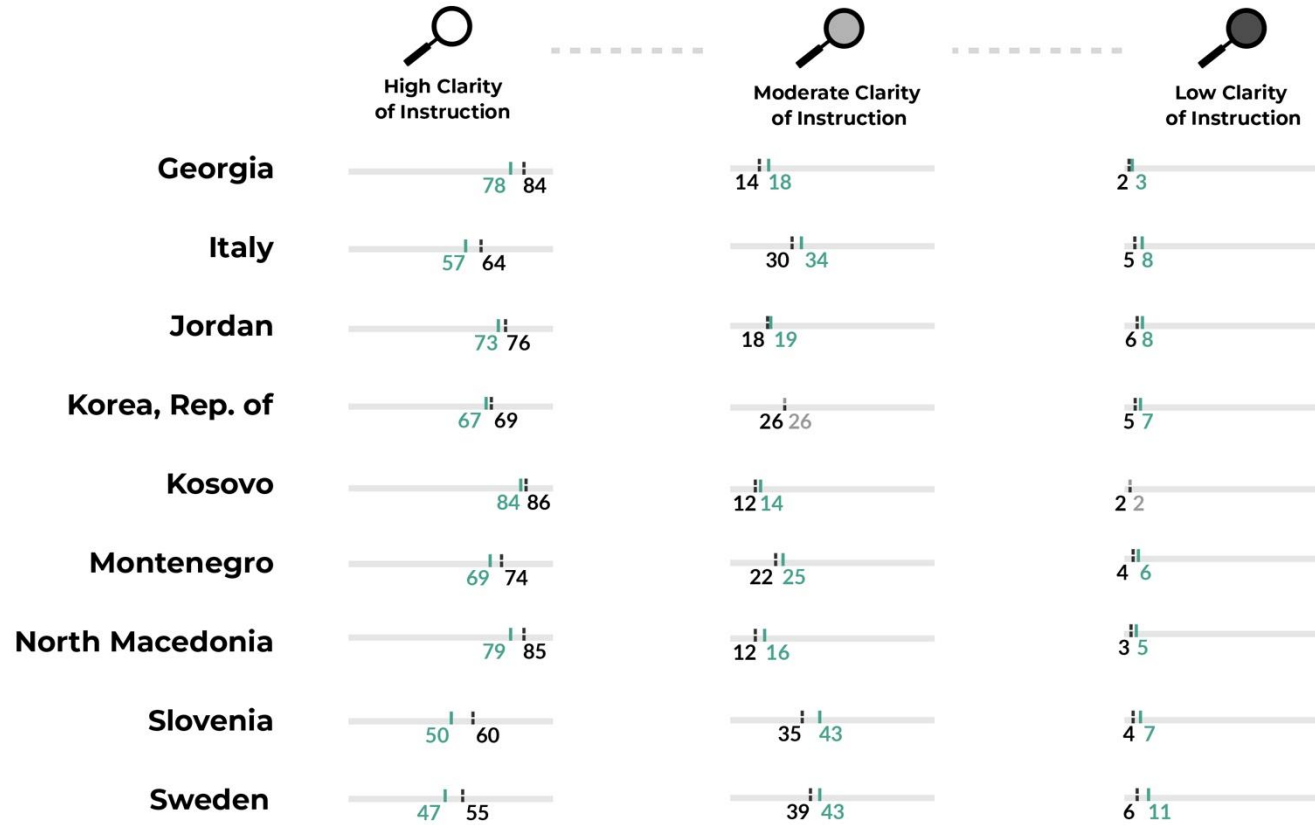
School Composition by Socioeconomic Background of the Student Body and Growth in Mathematics Achievement



 **+20** Average Growth in Achievement

Instructional Clarity in Science Lessons

GRADES
4-5
Science



Change in Percent of Students (%)

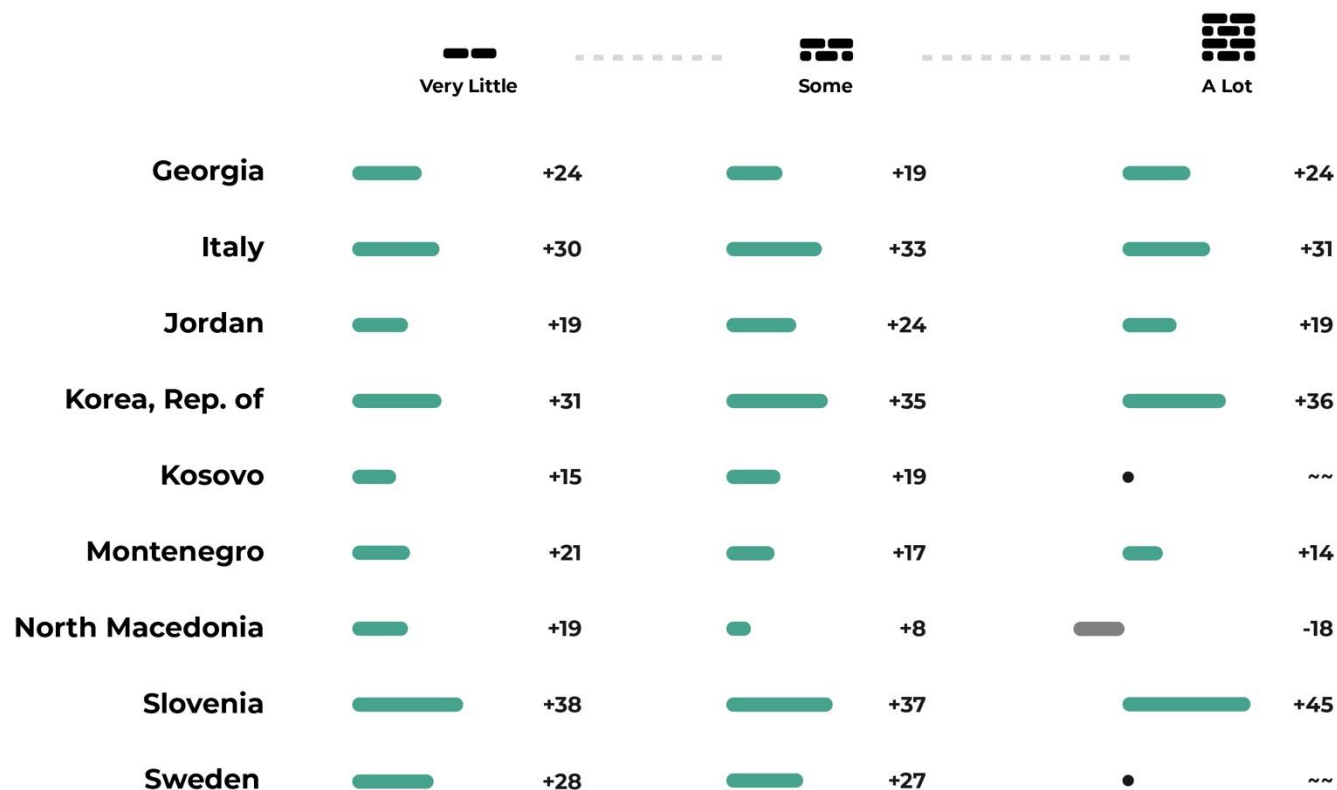


78 84

Students Like Learning Science and Growth in Science Achievement



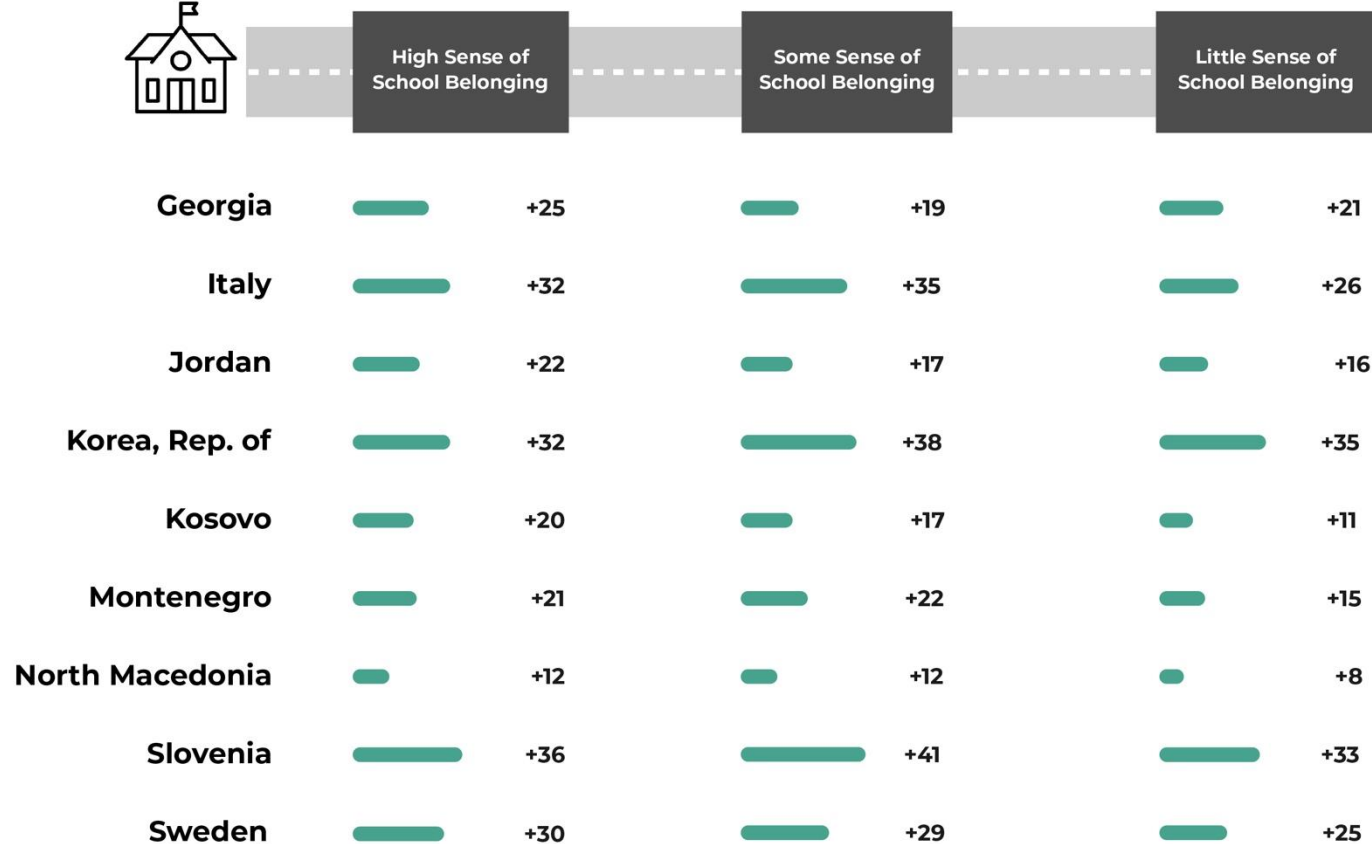
Classroom Teaching Limited by Students Not Ready for Instruction and Growth in Science Achievement



 +24 Average Growth in Achievement

A tilde (~) indicates insufficient data to report result.

Students' Sense of School Belonging and Growth in Science Achievement



+25 Average Growth in Achievement

Home Socioeconomic Status and Growth in Science Achievement



 +30 Average Growth in Achievement

Frequency of Student Absences and Growth in Science Achievement



+27 Average Growth in Achievement

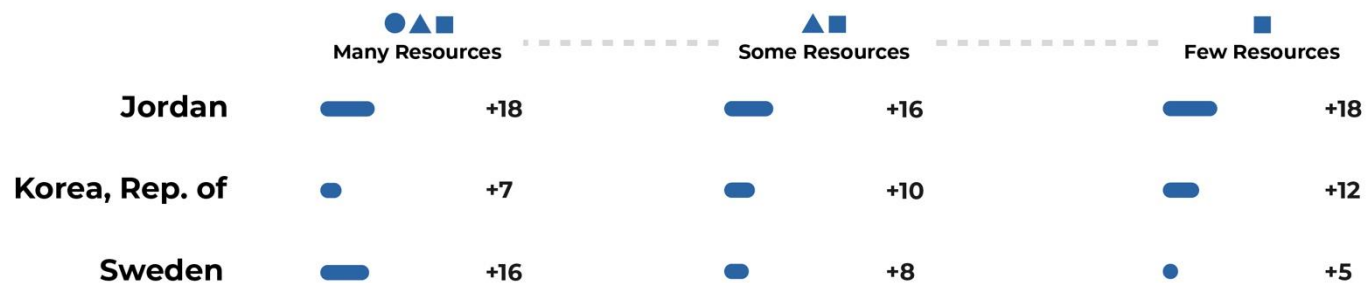
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School Composition by Socioeconomic Background of the Student Body and Growth in Science Achievement

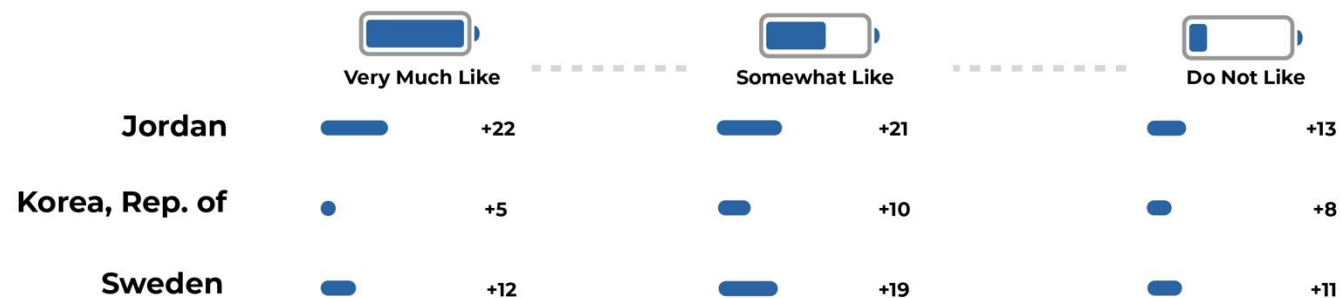


+17 Average Growth in Achievement

Home Educational Resources and Growth in Mathematics Achievement

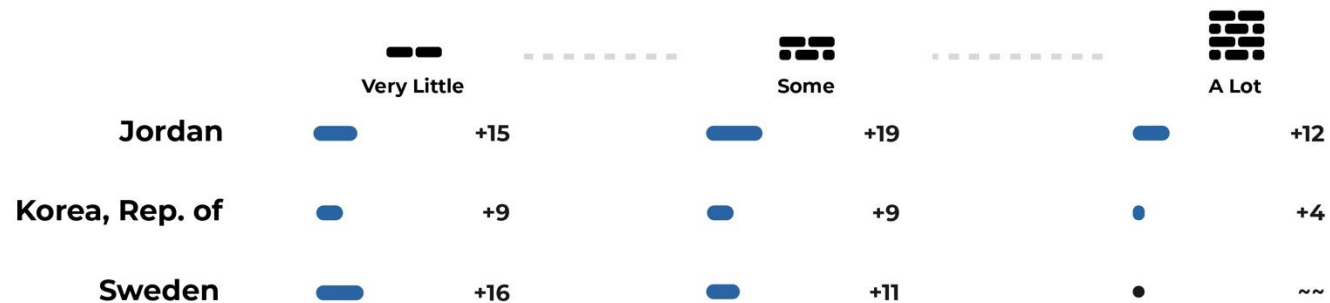


Students Like Learning Mathematics and Growth in Mathematics Achievement



Classroom Teaching Limited by Students Not Ready for Instruction and Growth in Mathematics Achievement

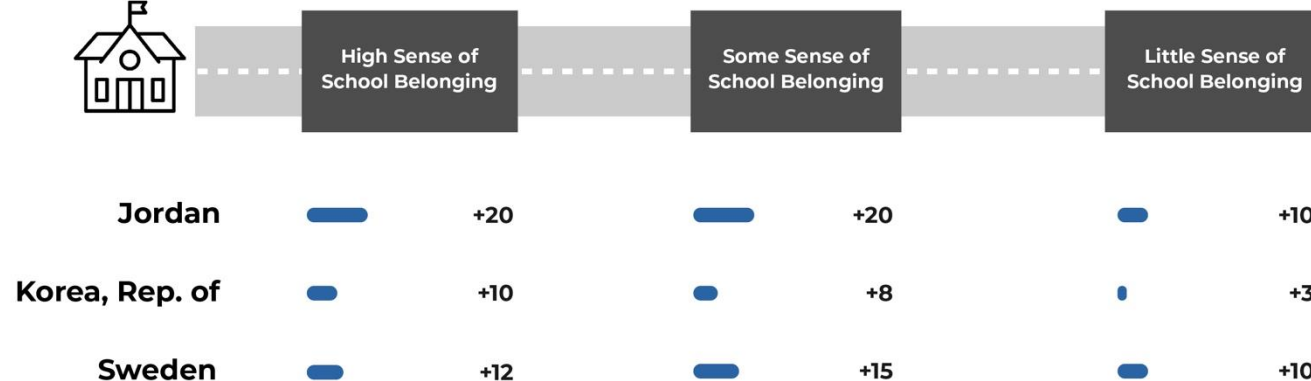
GRADES
8-9
Mathematics



+15 Average Growth in Achievement

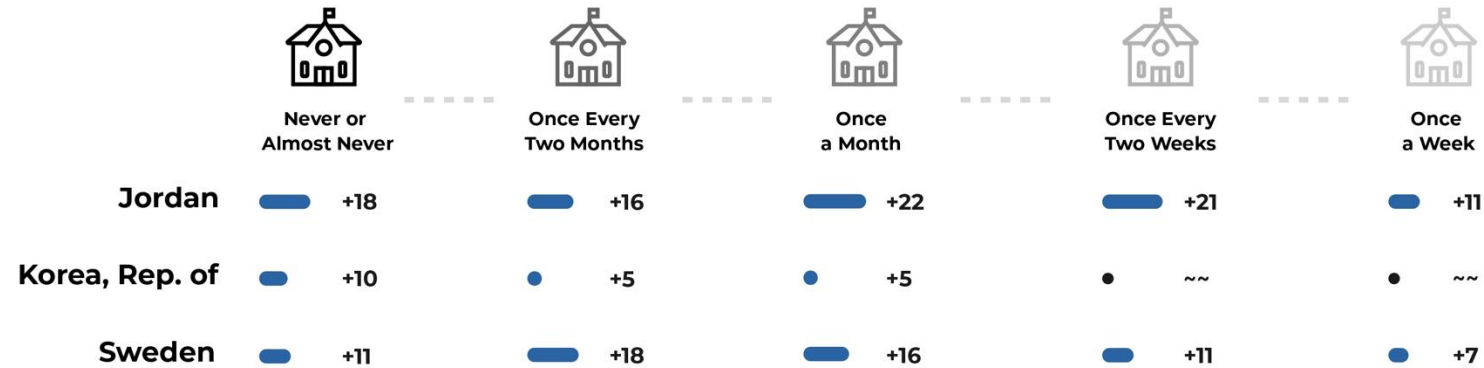
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Students' Sense of School Belonging and Growth in Mathematics Achievement



Frequency of Student Absences and Growth in Mathematics Achievement

GRADES
8-9
Mathematics

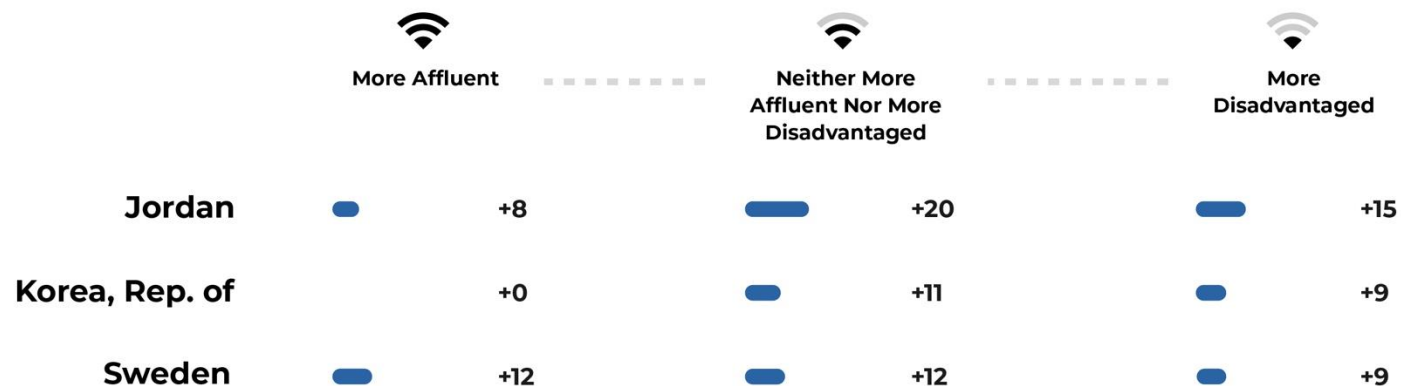


+18 Average Growth in Achievement

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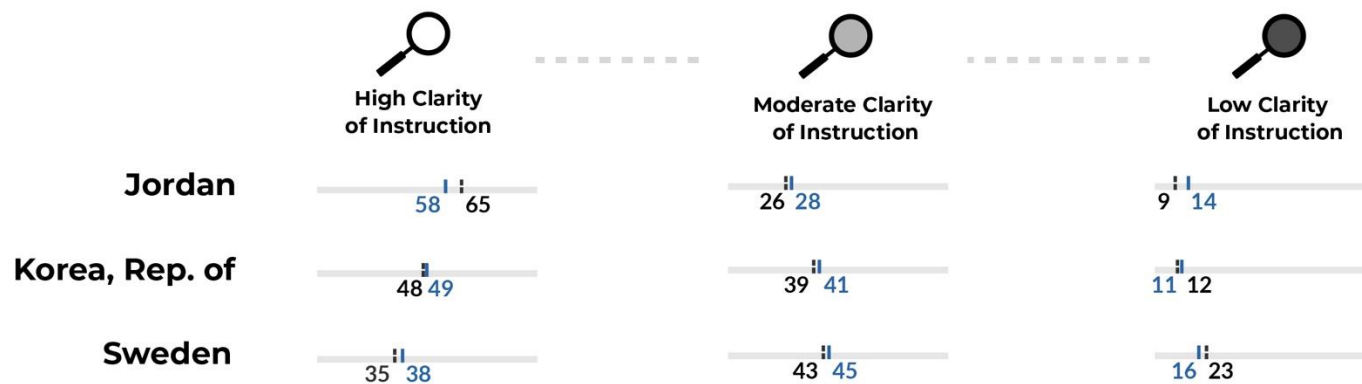
School Composition by Socioeconomic Background of the Student Body and Growth in Mathematics Achievement

GRADES
8-9
Mathematics



Instructional Clarity in Mathematics Lessons

GRADES
8-9
Mathematics

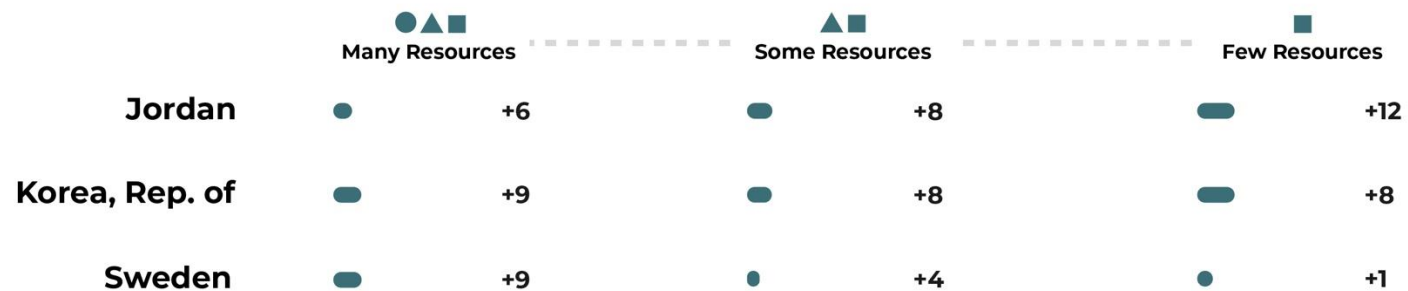


Change in Percent of Students (%)



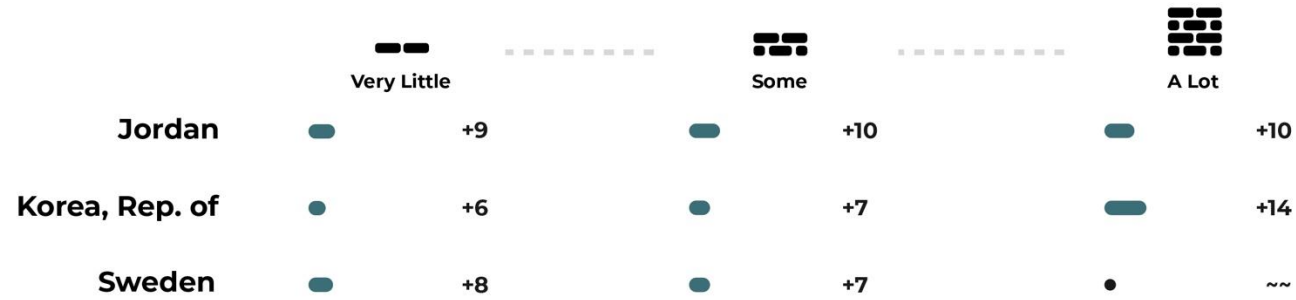
Home Educational Resources and Growth in Science Achievement

GRADES
8-9
Science



Classroom Teaching Limited by Students Not Ready for Instruction and Growth in Science Achievement

GRADES
8-9
Science



Students' Sense of School Belonging and Growth in Science Achievement



High Sense of School Belonging

Some Sense of School Belonging

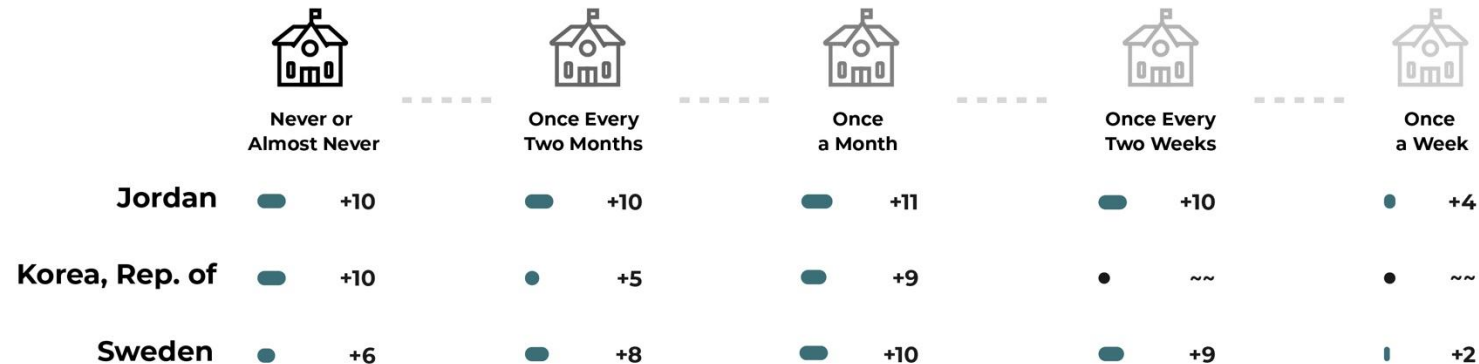
Little Sense of School Belonging



+9 Average Growth in Achievement

Frequency of Student Absences and Growth in Science Achievement

GRADES
8-9
Science

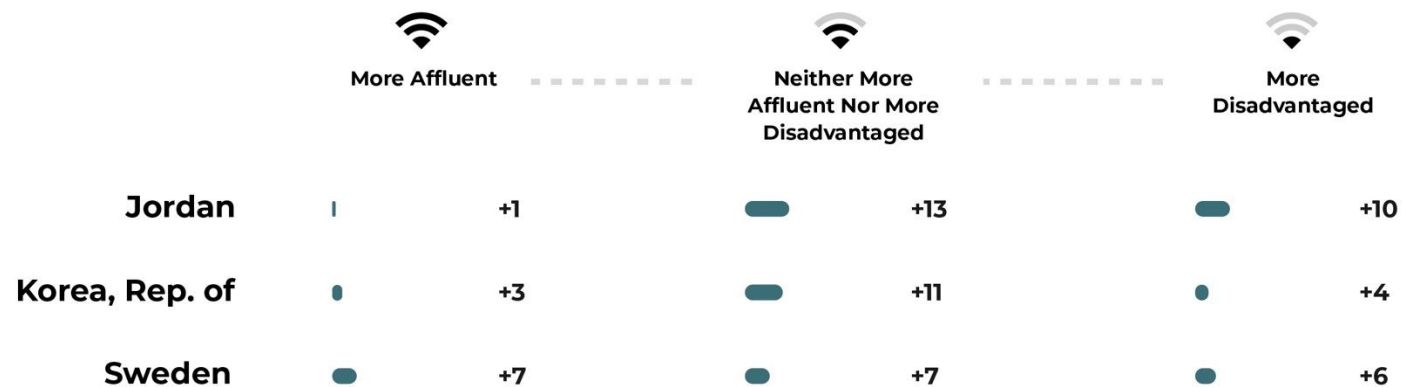


Legend:
 +10
 Average Growth in Achievement

A tilde (~) indicates insufficient data to report result.

School Composition by Socioeconomic Background of the Student Body and Growth in Science Achievement

GRADES
8-9
Science





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

<https://timss2023.org/longitudinal>