

How can Bulgaria improve its education system?



An analysis of PISA 2012
and past results



WORLD BANK GROUP
Education Global Practice
Europe and Central Asia Region

Significant progress over 2006

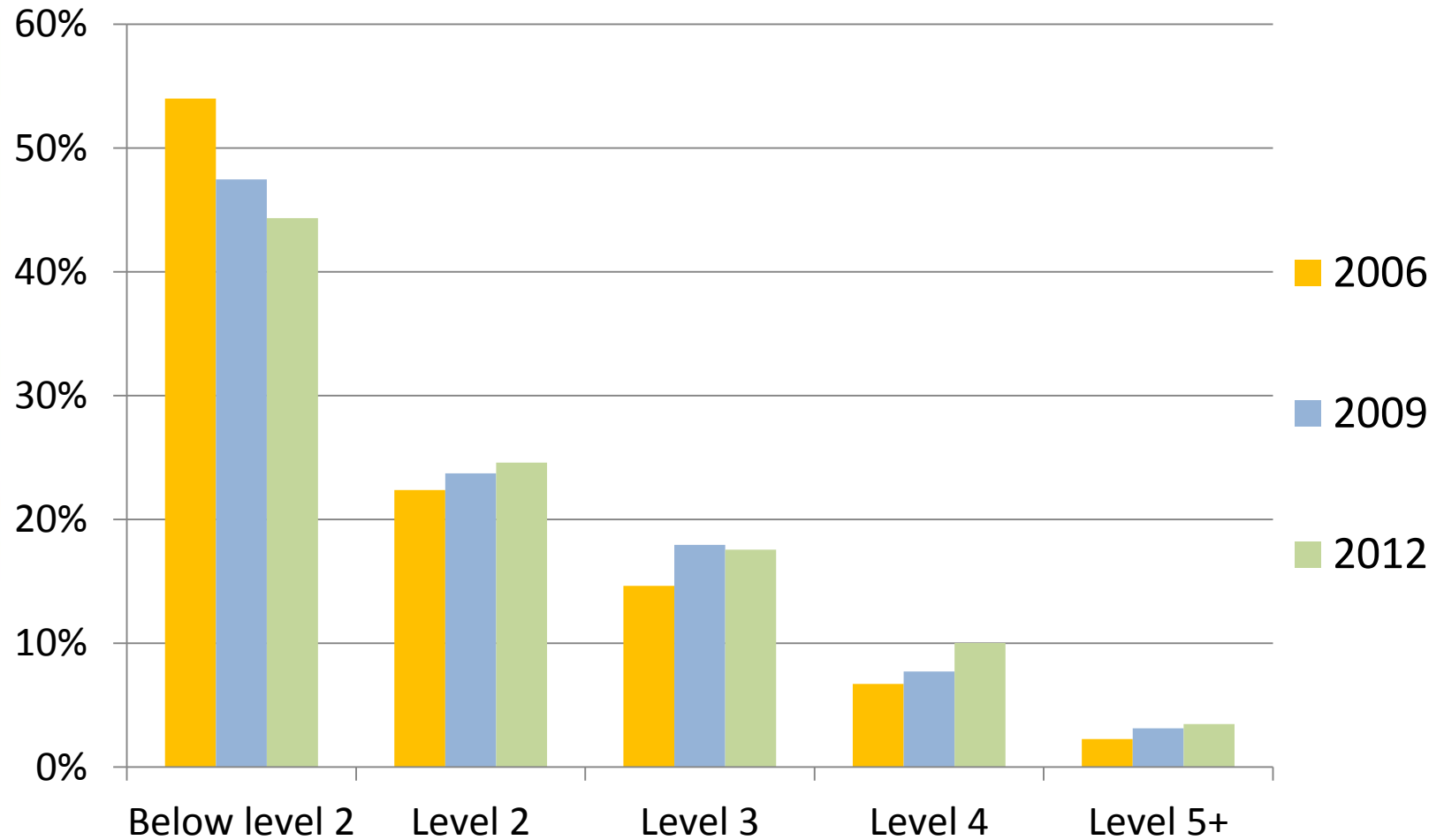
Modest progress over 2000

	2000	2006	2009	2012
Reading	430	402	429	436
Math	430	413	428	439
Science	448	434	439	446

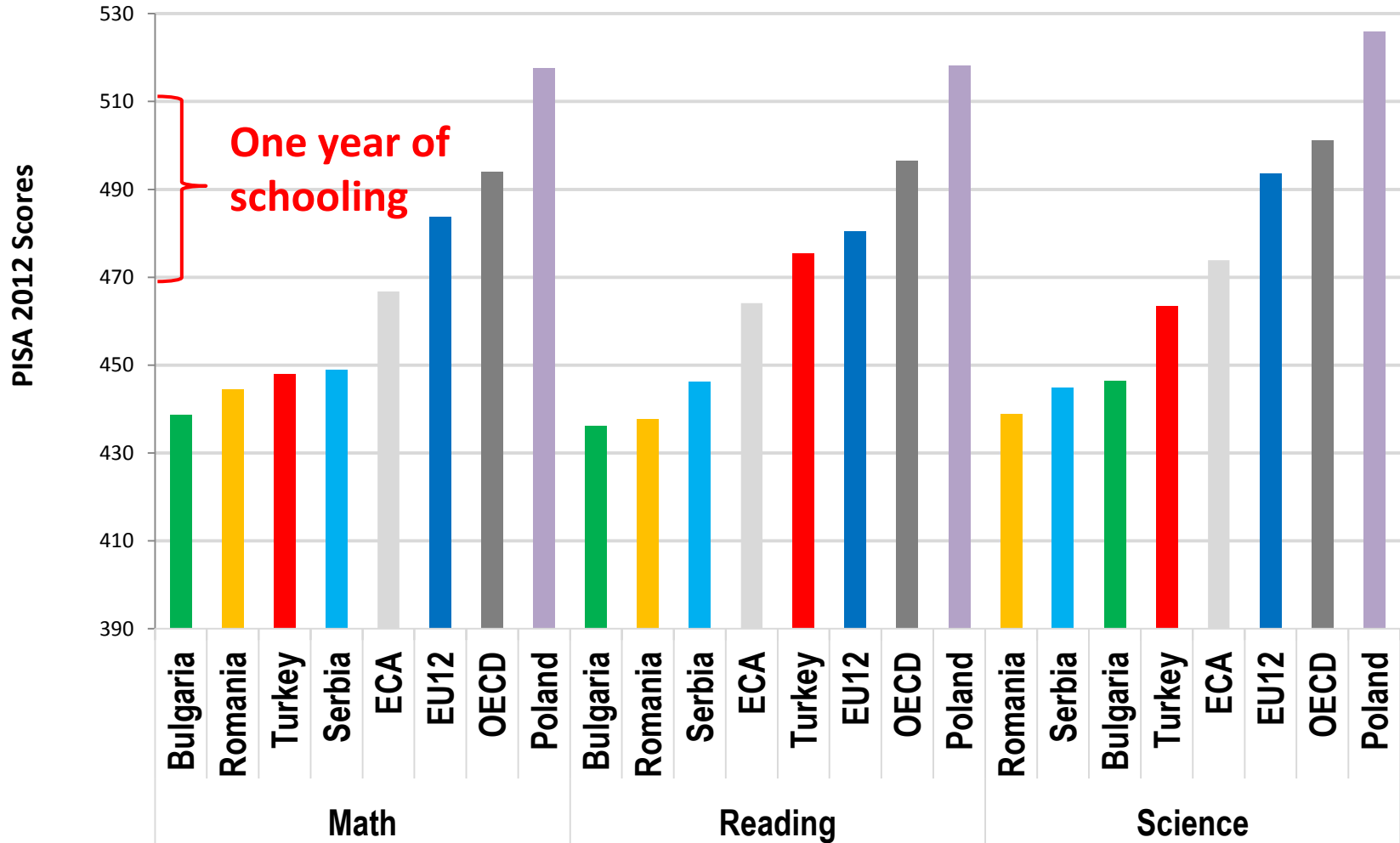


Less students below level 2

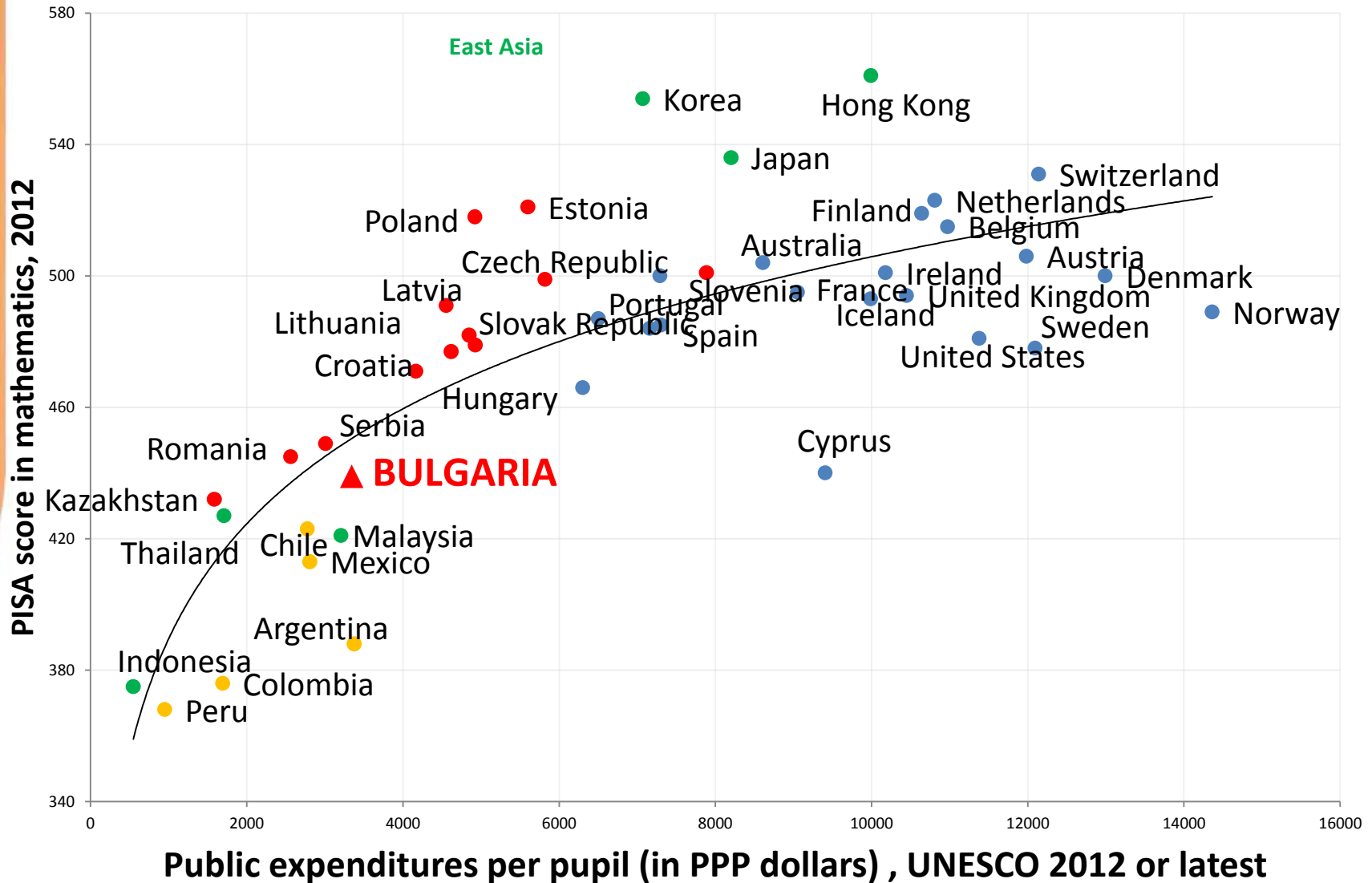
Small gains at levels 5+



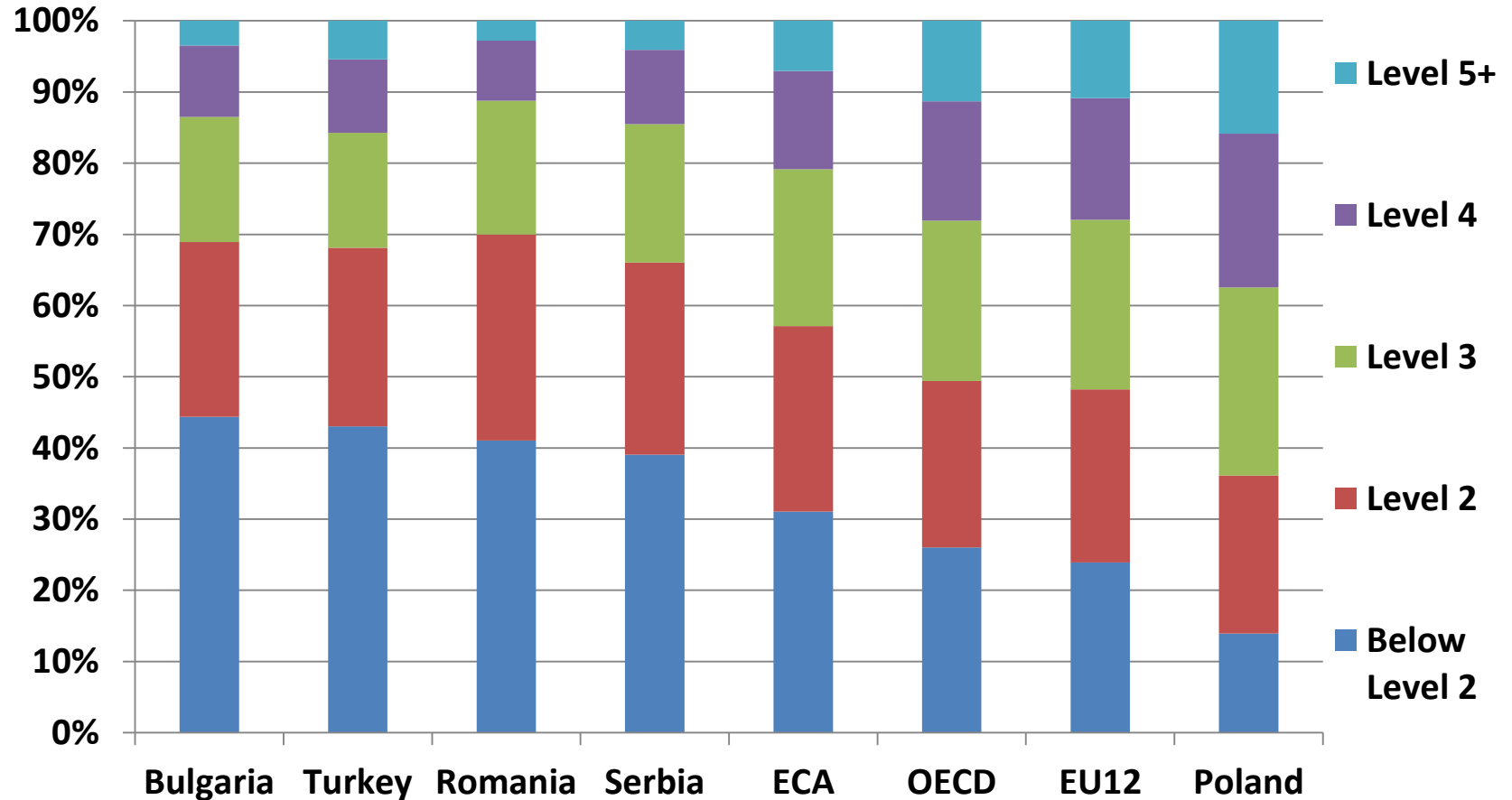
Bulgaria's neighbors have advanced faster ...



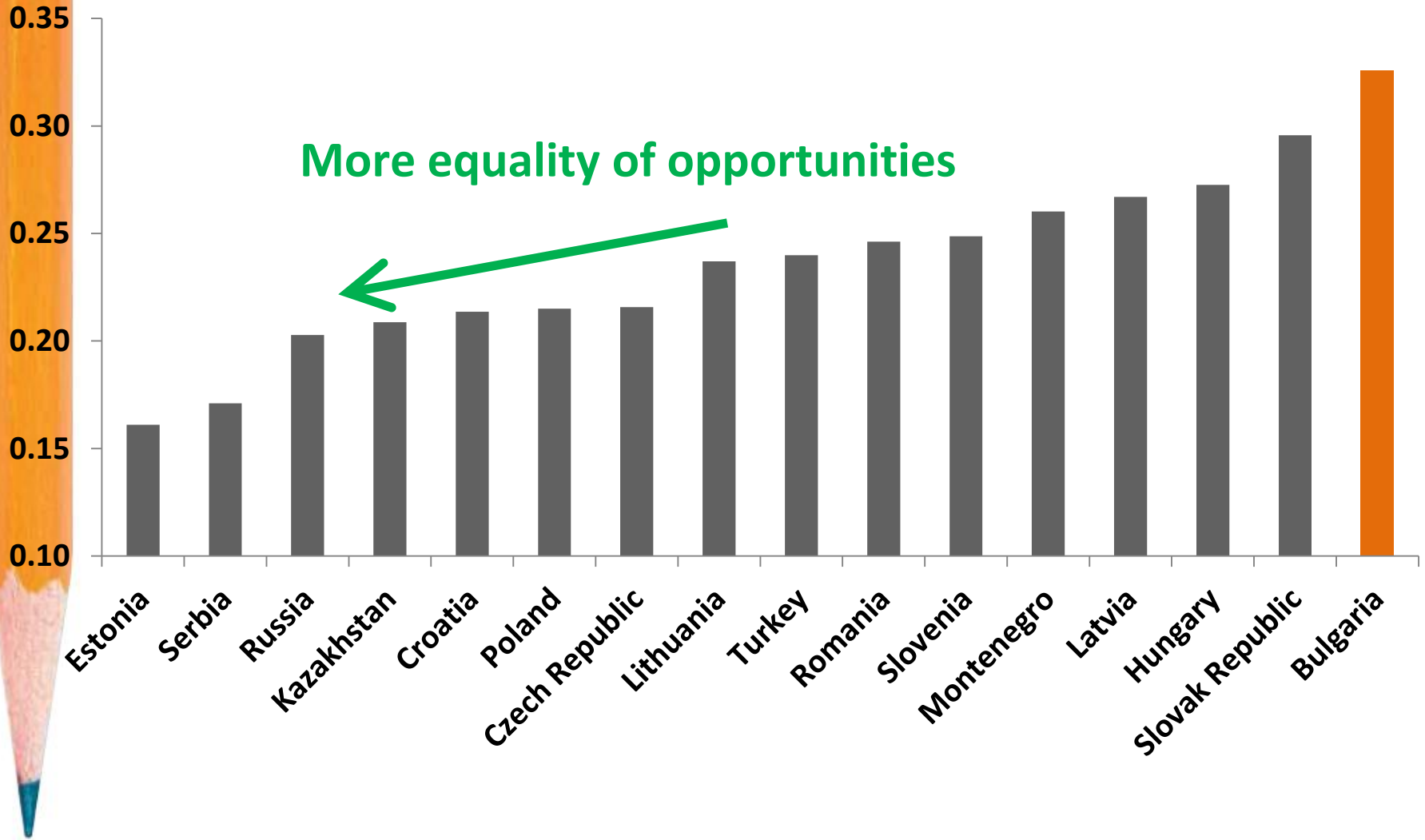
...with less spending per student



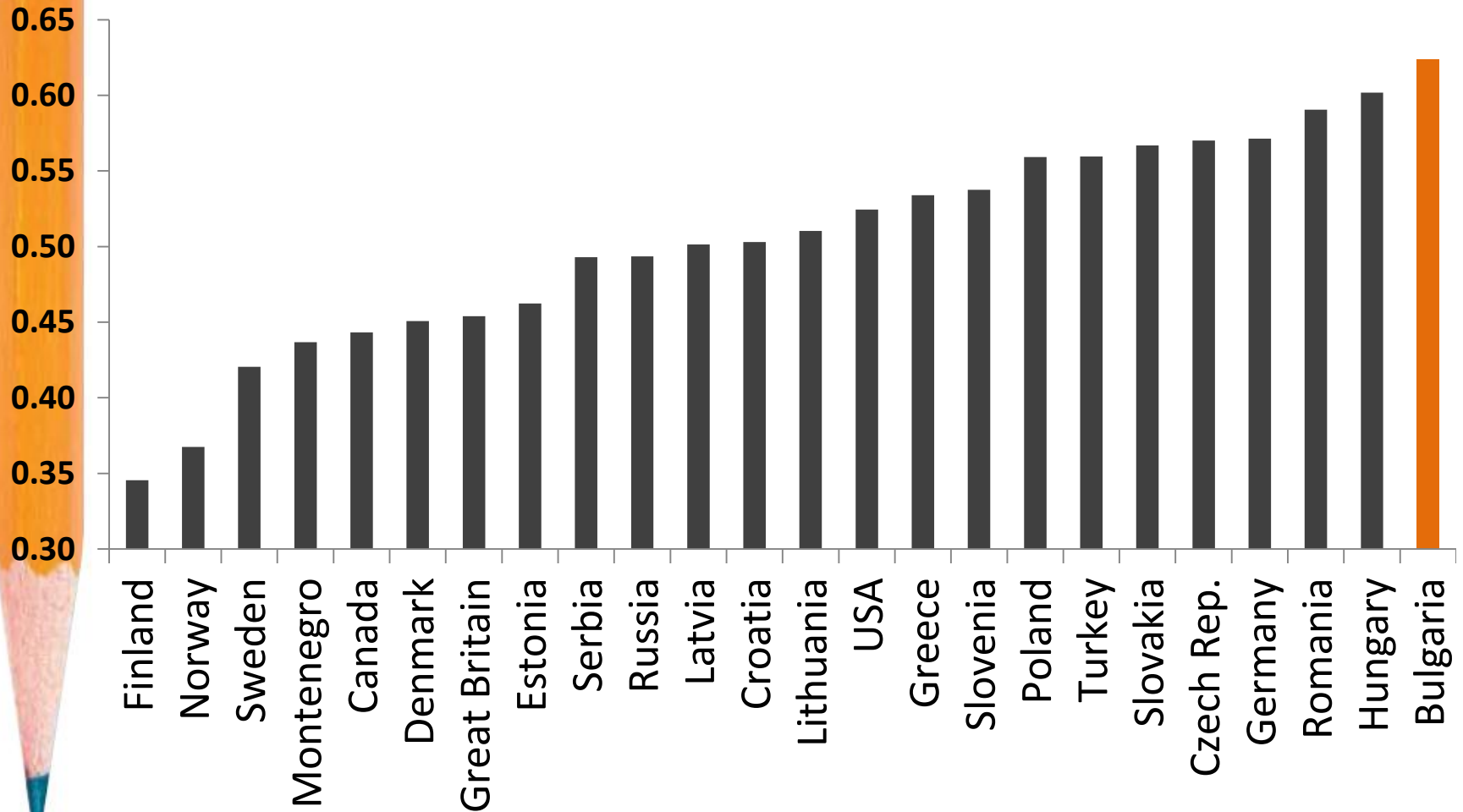
Highest share of students below Level 2 among comparator counties



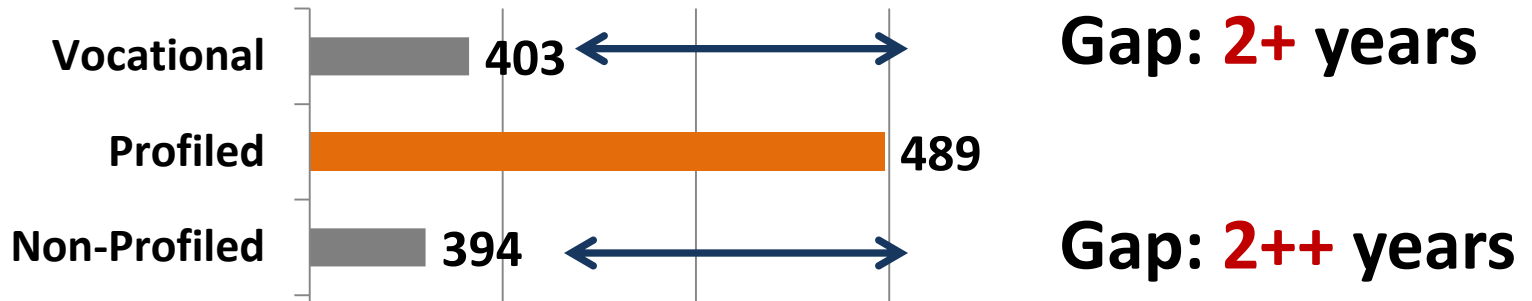
Lowest equality of opportunity in EU and ECA



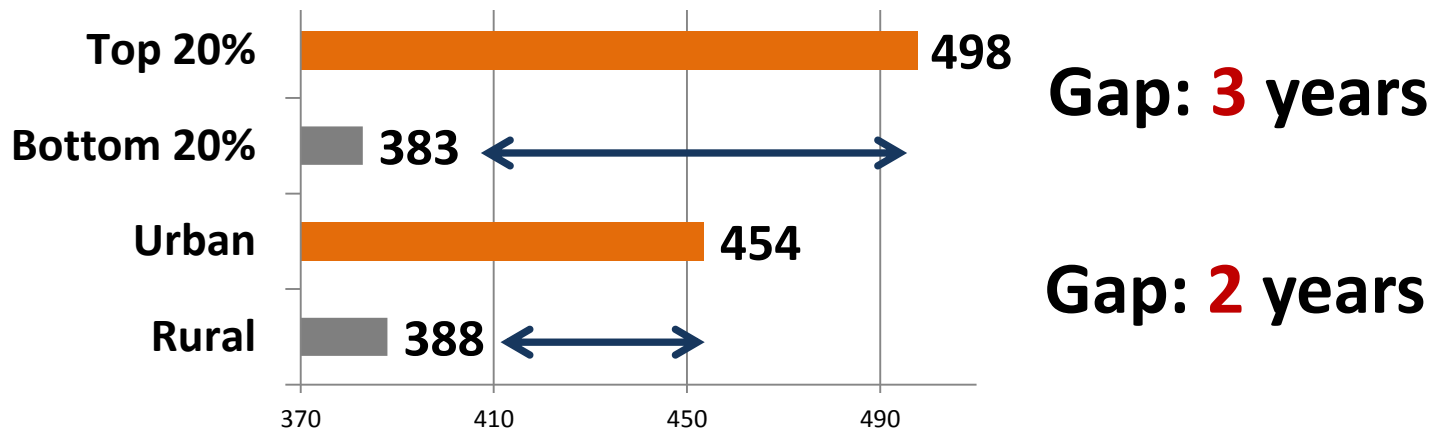
Highest social stratification of schools



Extreme disparities between schools

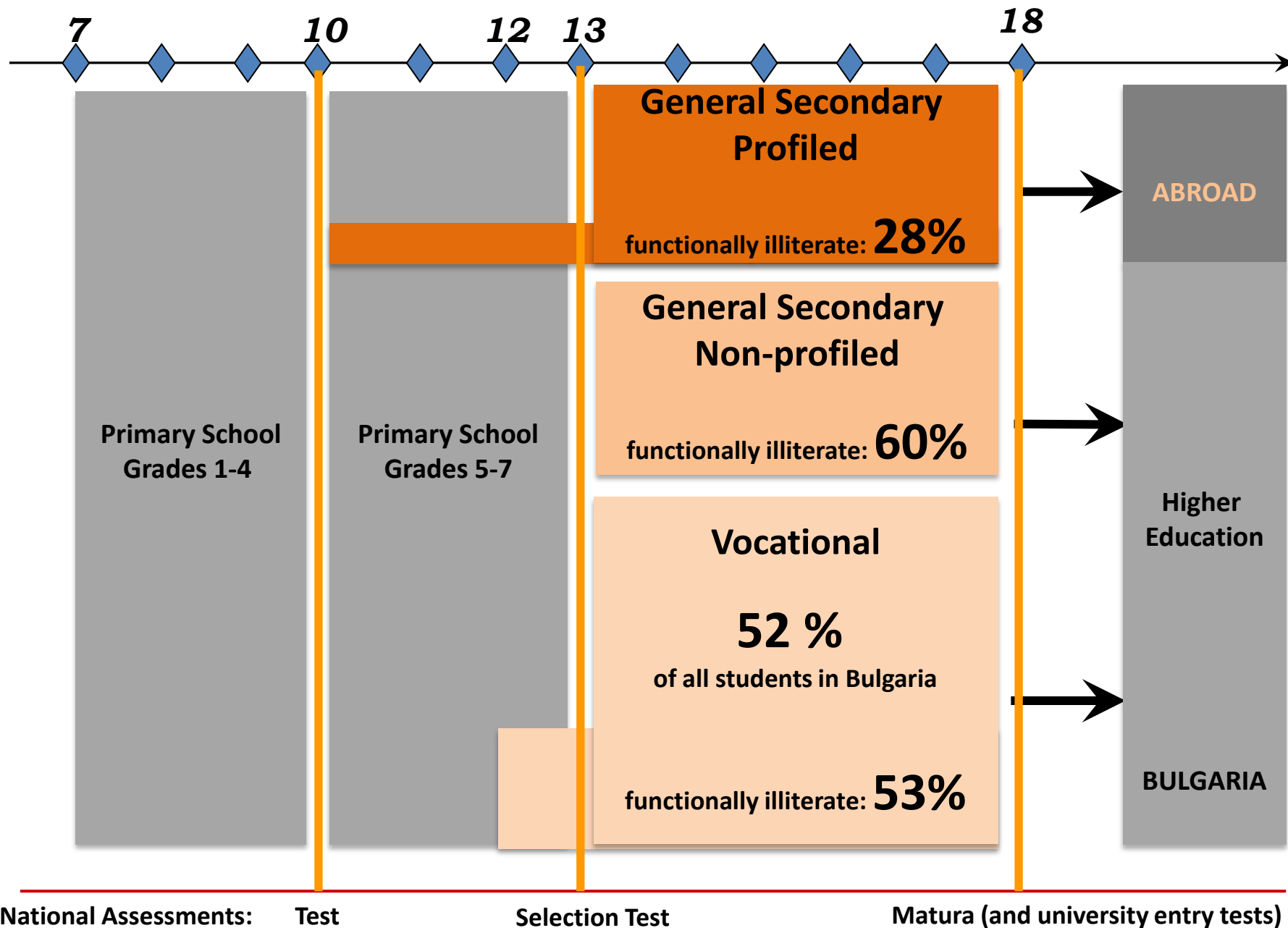


Extreme disparities between students



PISA reading scores in 2012

Education structure and education results





Education reforms in Bulgaria 2007 and 2008

- School autonomy reforms
- Per capita financing
- Consolidation of general schools



Impact of the Education Reforms

Lower than expected impact of school autonomy reforms on students performance


Improvements in PISA 2012 are related to:

- improved social economic status of low performing students, and
- better resources in education.

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Postpone to a later period the ability-based selection of students that currently happens after grade 7

1.

Poland: after 8 -> after 9 (1999)


Bulgaria: after 7



Extend preschool education to all minority and vulnerable kids by at least two years before they enroll primary schools

2.

Compulsory (but not free of charge) for all children aged 5. The kids who would benefit most from early childhood education are left outside the kindergartens...



Reevaluate the curriculum and student assessment frameworks

Poland (PISA 2000):

1% of students receive more than 4 hours of language

Poland (PISA 2006):

76% of students receive more than 4 hours of language

Poland (2000 -> 2006):


48.8% of the total test score improvement is due to
● increased language classes



Improve accountability of schools

4.

- school councils
- school inspections
- transparency of school budgets
- school value added measures
- support program for low-performing schools
- incentives for high-performing schools



Promote effective classroom management and strengthening teaching practices

5.

**Improve discipline;
Strengthen teacher policies;
Attract and retain the best into the
teaching profession**



Improve the quality of educational resources

6.

School premises

Books

Lab equipment

Technological hardware Software



THANK YOU

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