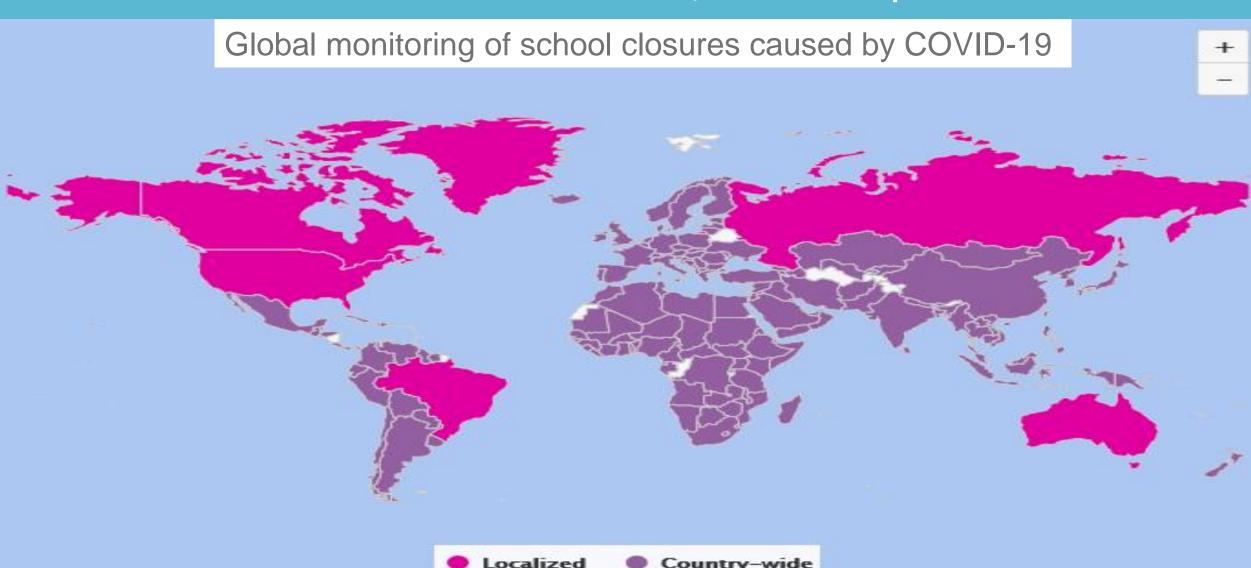




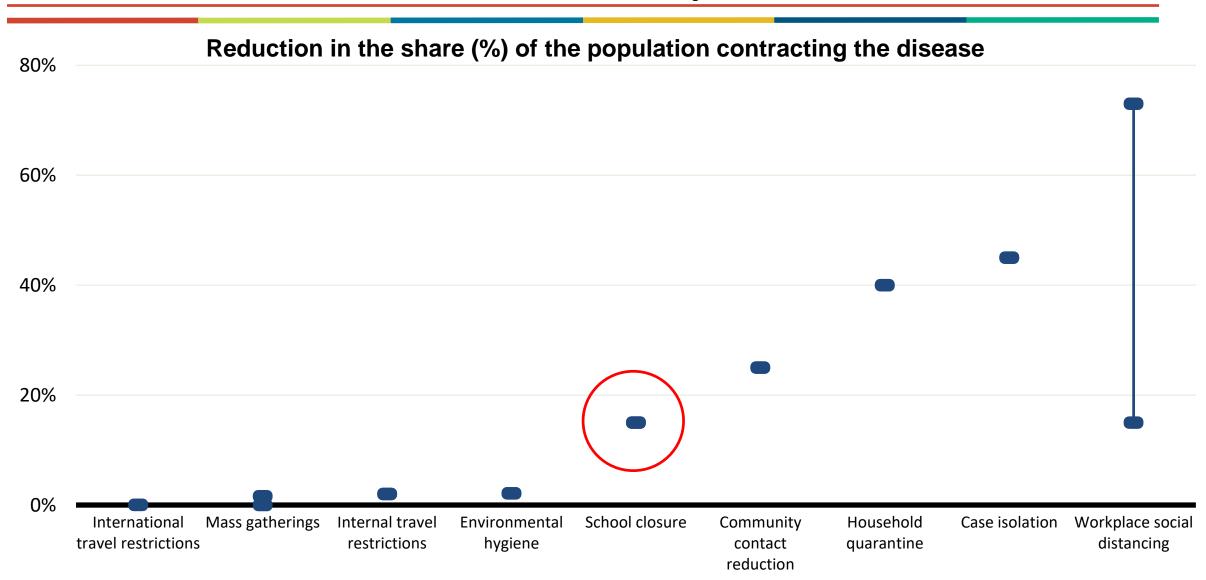
UNESCO monitoring of school closures in response to the Covid-19 crisis, as of 2 April





Country-wide

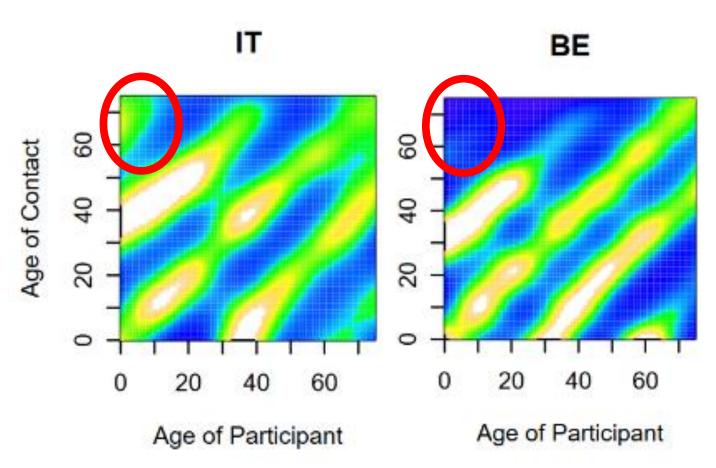
Evidence From Previous Epidemics Suggests That School-closure Can Prevent Up To 15% Of Infections



Source: OECD, Flattening the covid-19 peak: Containment and mitigation policies

Reopening Schools May have A Different Impact Across Countries

Contact matrices for home interaction



In some countries (e.g. ITA and POL) the interaction children-elderly is much higher than in others (e.g. BEL, FIN).

Opening kindergartens and primary schools in ITA and POL may lead to a higher increase in mortality than in BEL and FIN

Source: github.com/sbfnk/socialmixr

Impact of Covid-19 on education

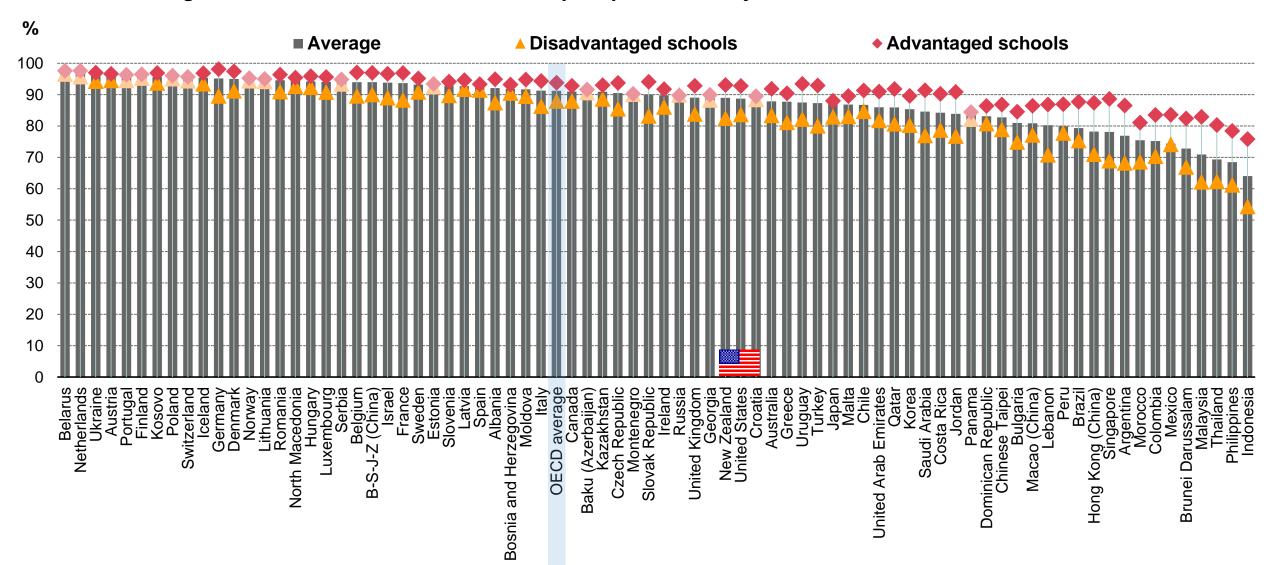
- 1.5bn students impacted by school closures
- Remote learning has become the lifeline for learning but doesn't address the social functions of schools
- Access, use and quality of online resources amplifying inequality
- Accreditation at stake
- Huge needs for just-in-time professional development
- Re-prioritisation of curricula leads to new tensions
- But lots of innovative learning environments emerging!



Access to a quiet place to study (PISA)

Fig A1

Percentage of students that have access to a quiet place to study

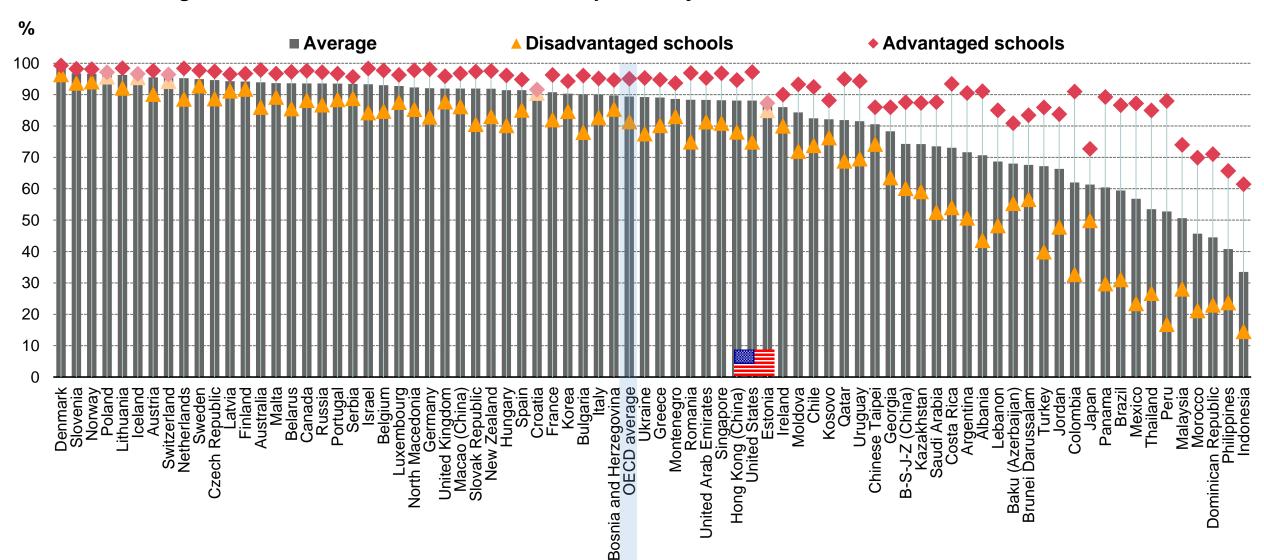




Access to a computer for school work (PISA)

Fig A2

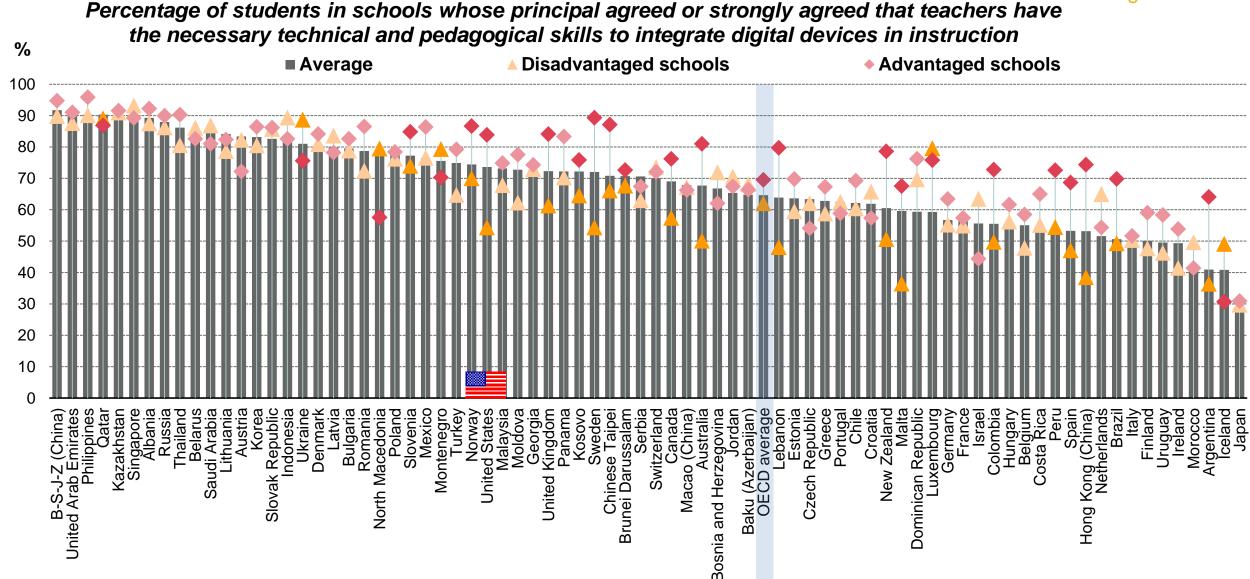
Percentage of students that have access to a computer they can use for school work





Teachers have the necessary technical and pedagogical skills to integrate digital devices in instruction

Fig A9



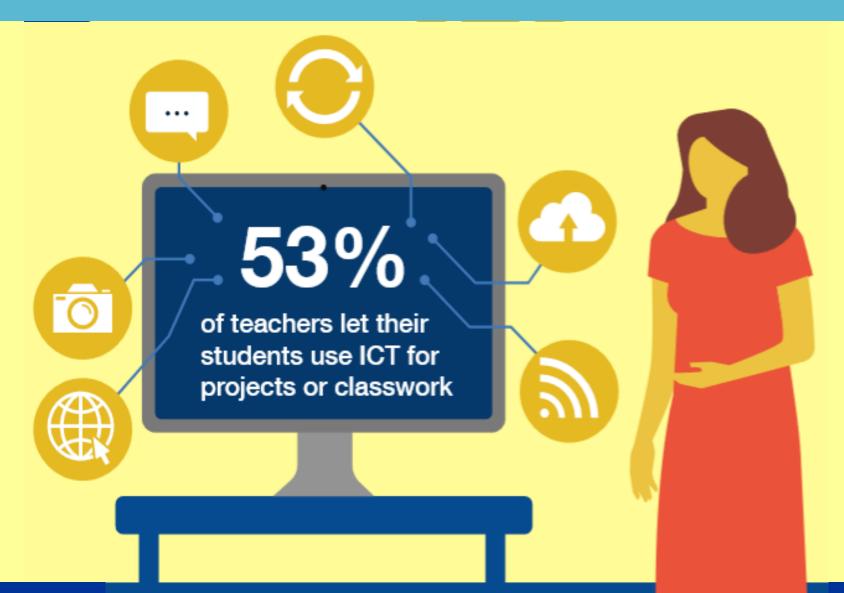


TECHNOLOGY IS ONLY AS GOOD AS ITS USE



Use of ICT for class work is widespread overall, but not universal...



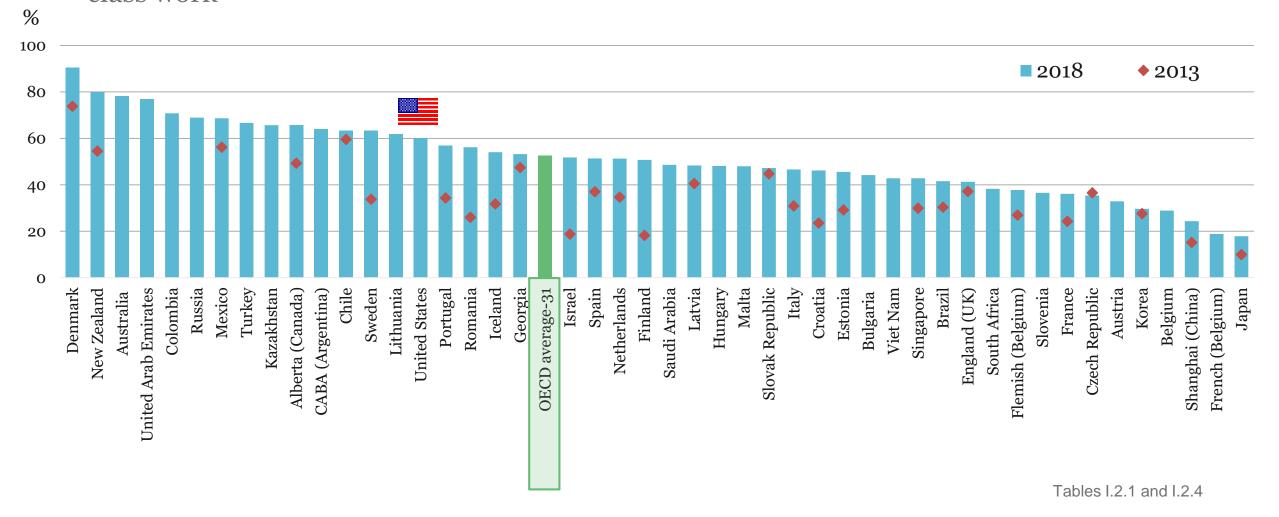




Even before the crisis, the use of ICT for class work was already on the rise...



Percentage of teachers who "frequently" or "always" let students use ICT for projects or class work



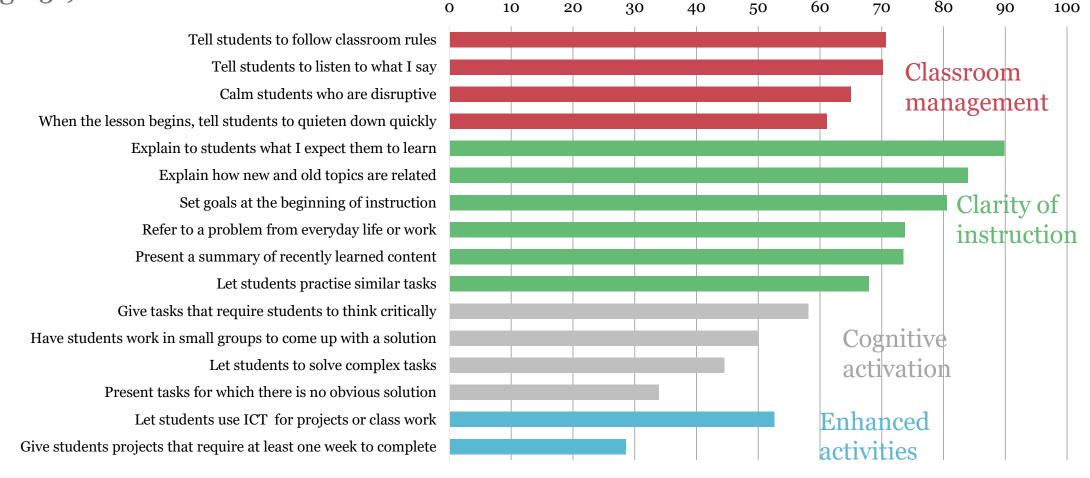


Innovative projects and the use of ICT can be useful strategies to address the current challenges to school



Teaching practices

Percentage of teachers who frequently or always use the following practices in their class (OECD average-31)





OWNERSHIP AND EMPOWERMENT



Most teachers feel control over their practice



How much professional autonomy do teachers have?



Over **90%** of teachers say they have control over:

- choice of teaching methods
- assessing students' learning
- discipline
- amount of homework

84% say they are involved in deciding overall course content

In only **56%** of schools do teachers play a role in school management, according to principals



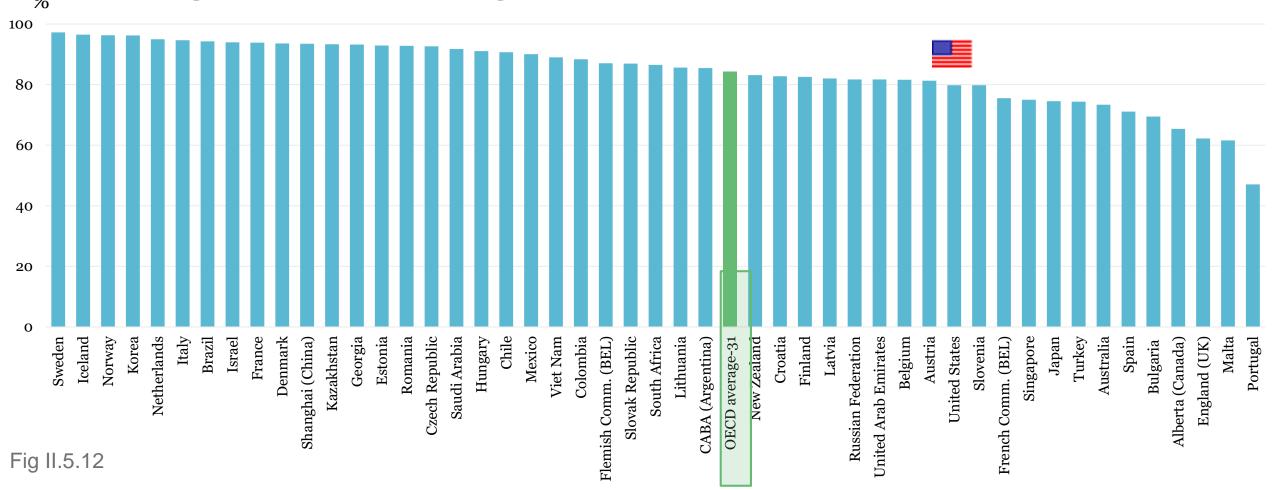


Most teachers feel control over their practice



Teachers' autonomy in determining course content in their target class

Percentage of lower secondary teachers who "agree" or "strongly agree" that they have control over determining course content in their target class





TEACHERS SEEM MORE OPEN TO INNOVATION THAN OUR INDUSTRIAL SCHOOL ORGANISATION SUGGESTS

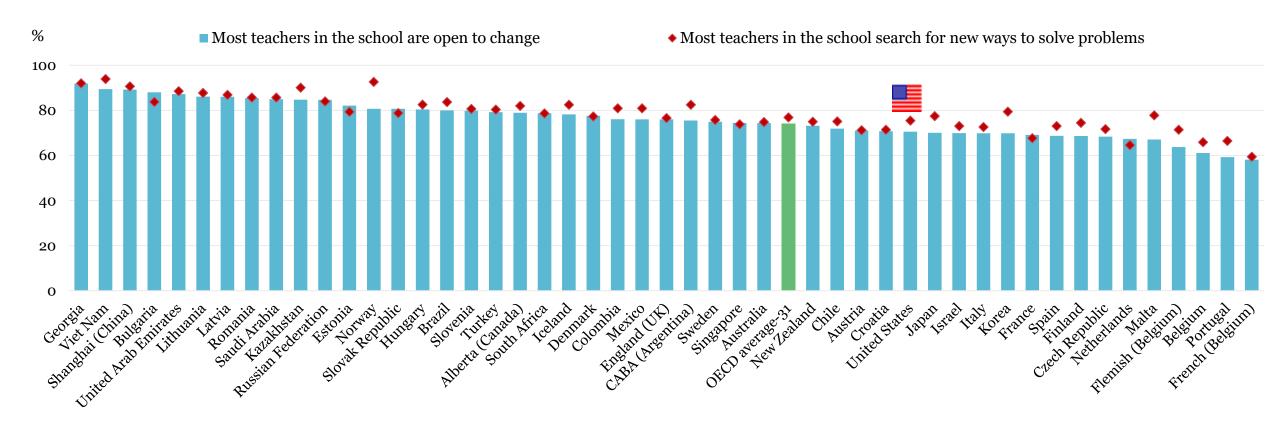


The vast majority of teachers have a positive attitude towards change and innovation...



Teachers' views on their colleagues' attitudes towards innovation

Percentage of lower secondary teachers who "agree" or "strongly agree" with the following statements





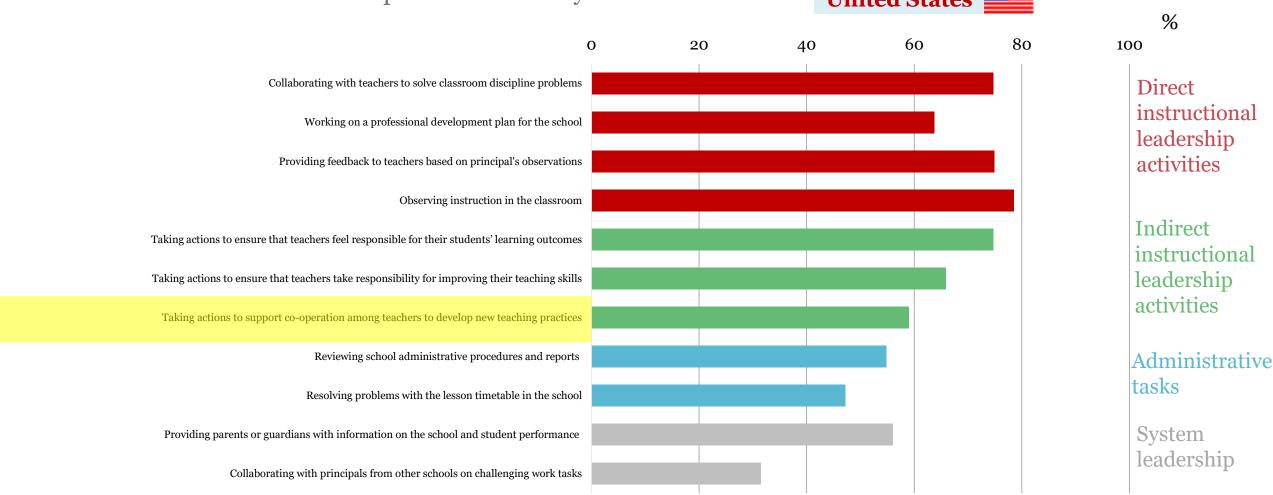
Guidance from school leaders matters for innovation, but is not widespread across the board...



Principals' leadership activities

Percentage of low secondary principals who "often" or "very often" engaged in the following activities in their school in the 12 months prior to the survey

United States

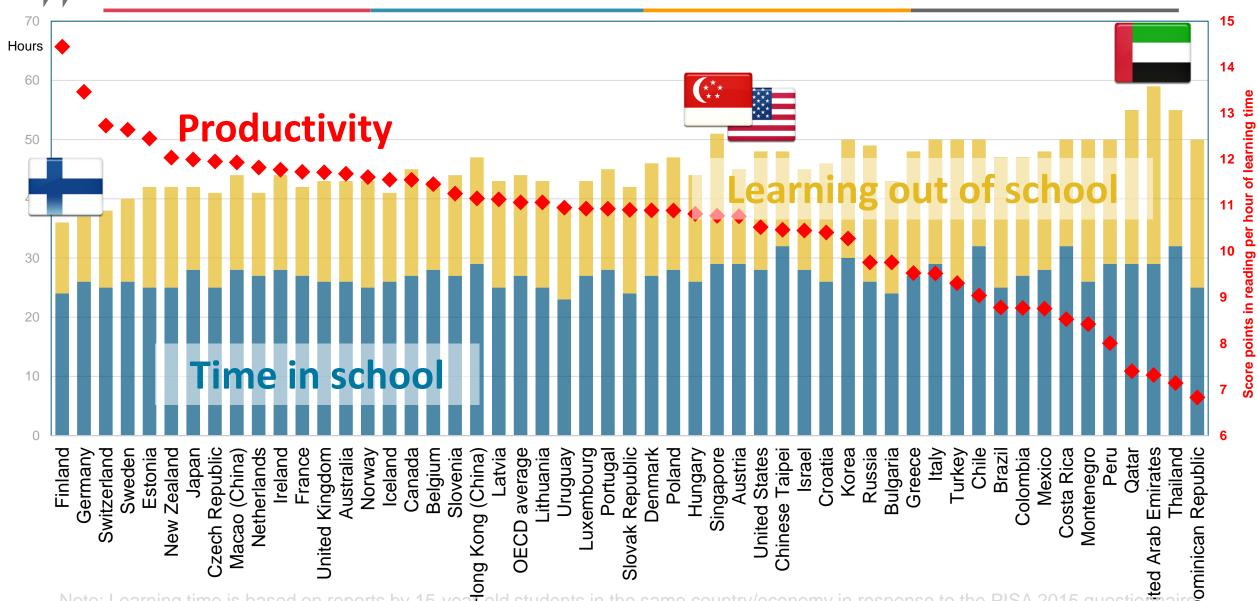




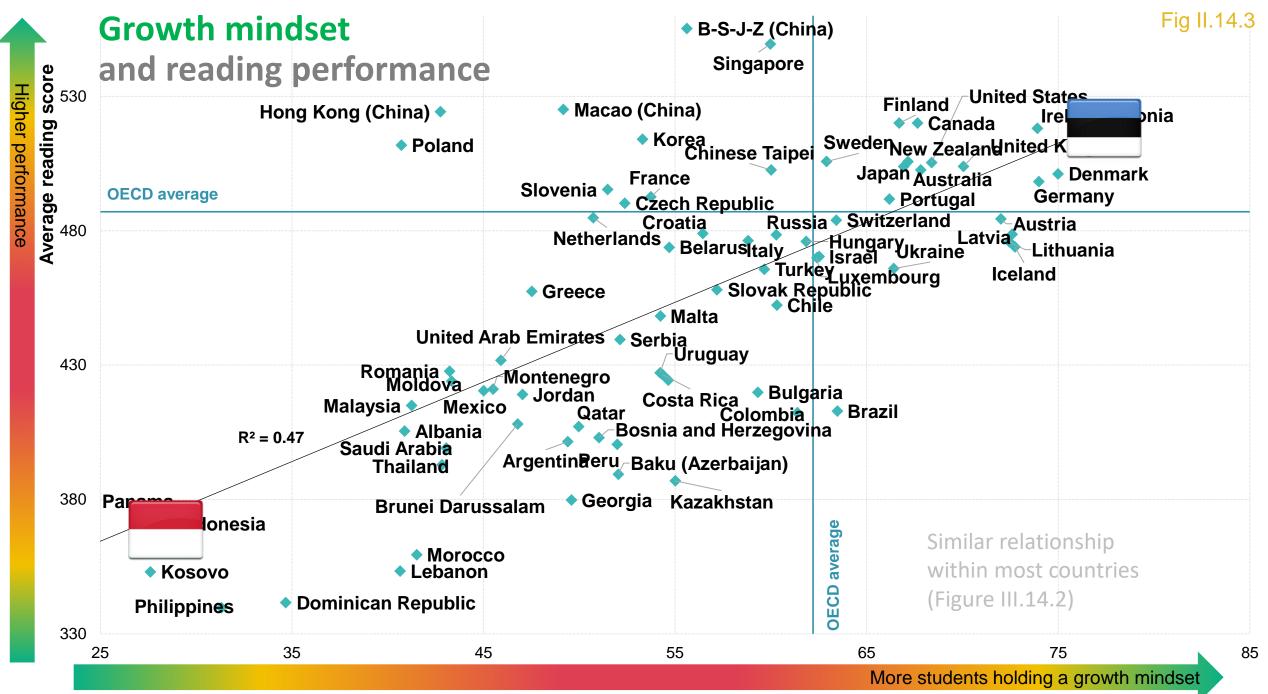
STRENGTHENING RELEVANT OUTCOMES



Learning time ≠ learning outcomes



Note: Learning time is based on reports by 15-yearold students in the same country/economy in response to the PISA 2015 question air a Productivity is measured by score points in reading per hour of total learning time

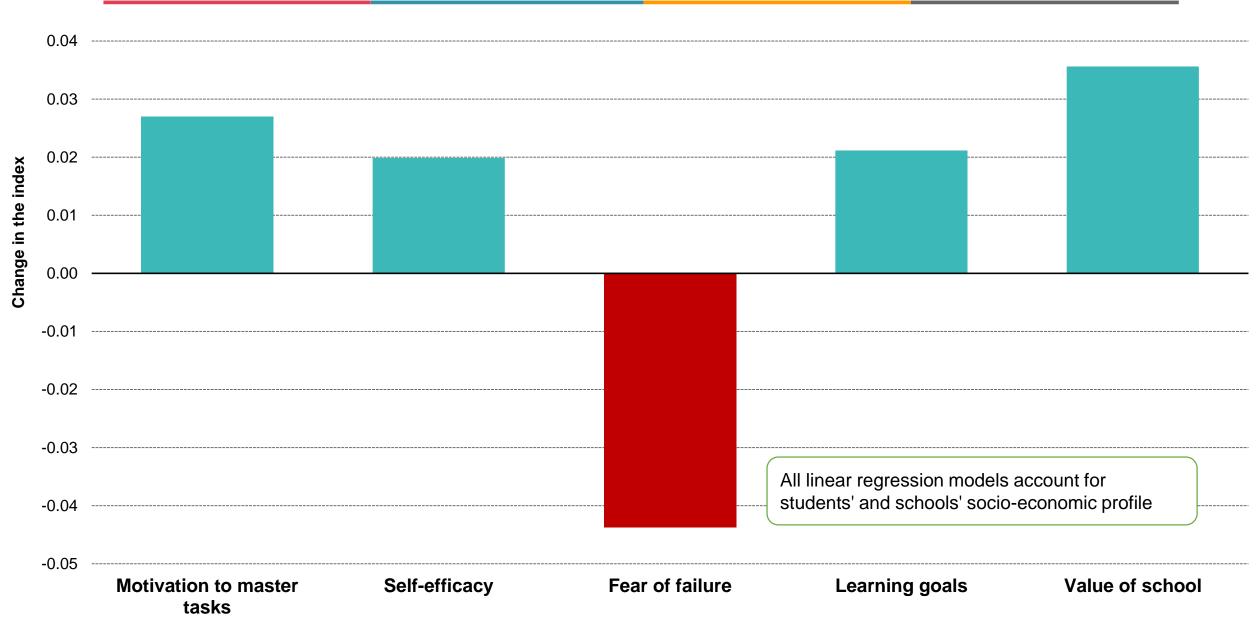




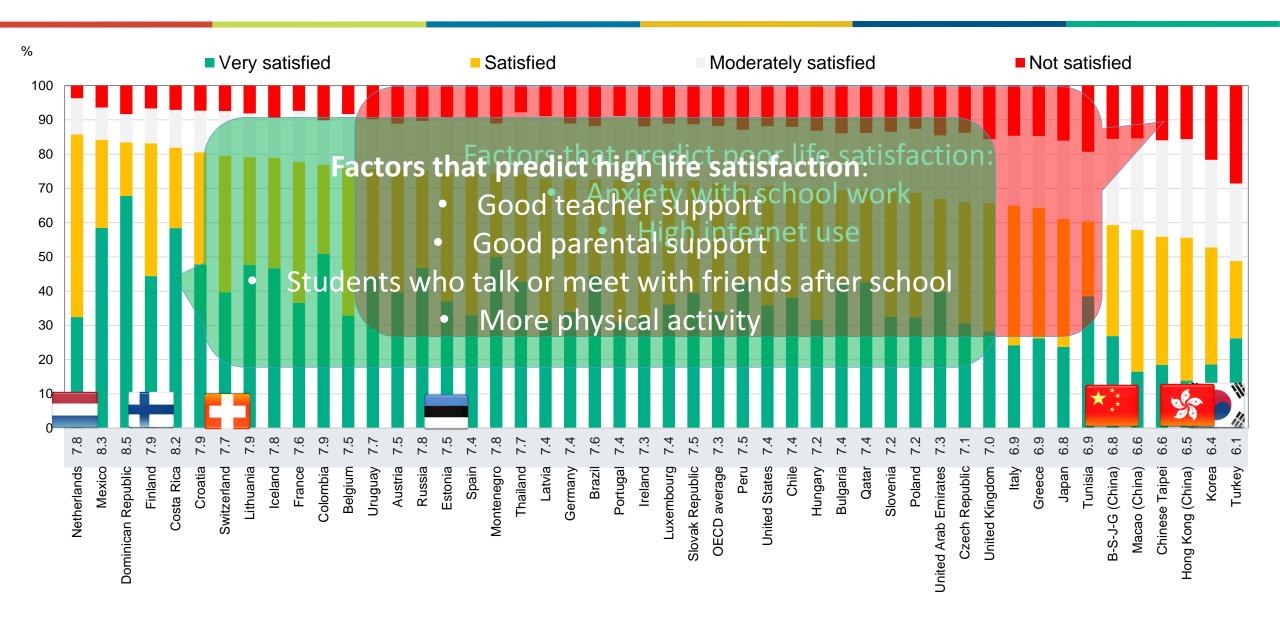
Growth mindset and student attitudes

Fig III.14.5

Change in the following indices when students disagreed or strongly disagreed that "your intelligence is something about you that you can't change very much":



Life satisfaction among 15-year-old students

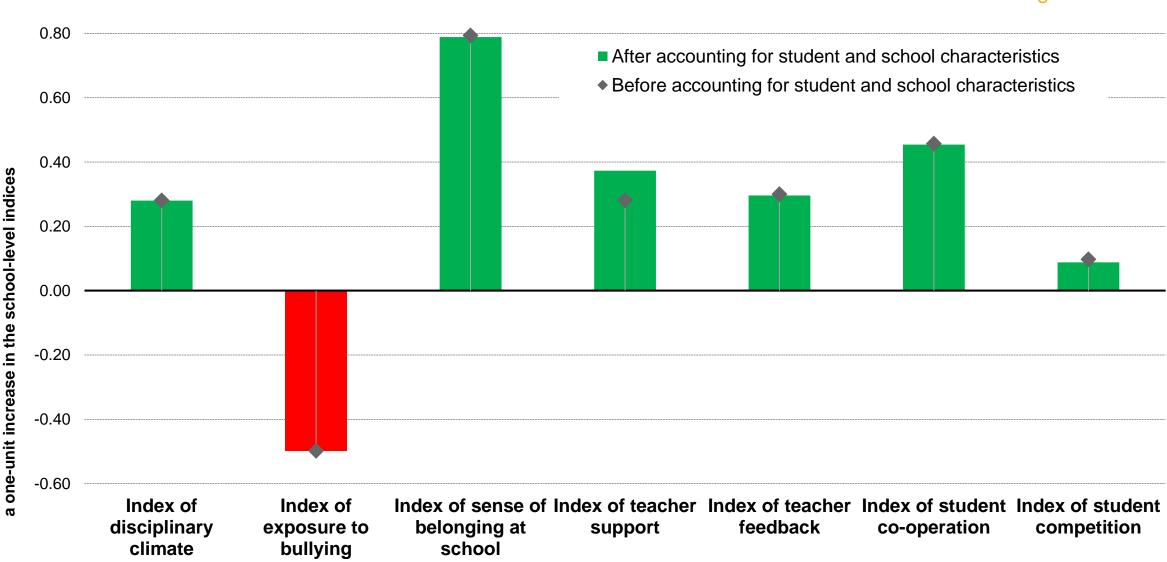




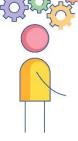
Students' life satisfaction and school climate

Change in the school-level index associated with a one-point change on the student life-satisfaction scale

Fig III.11.7



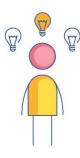
Fostering creativity in schools: Knowledge





- Disciplinary
- Interdisciplinary
- Epistemic
- Procedural

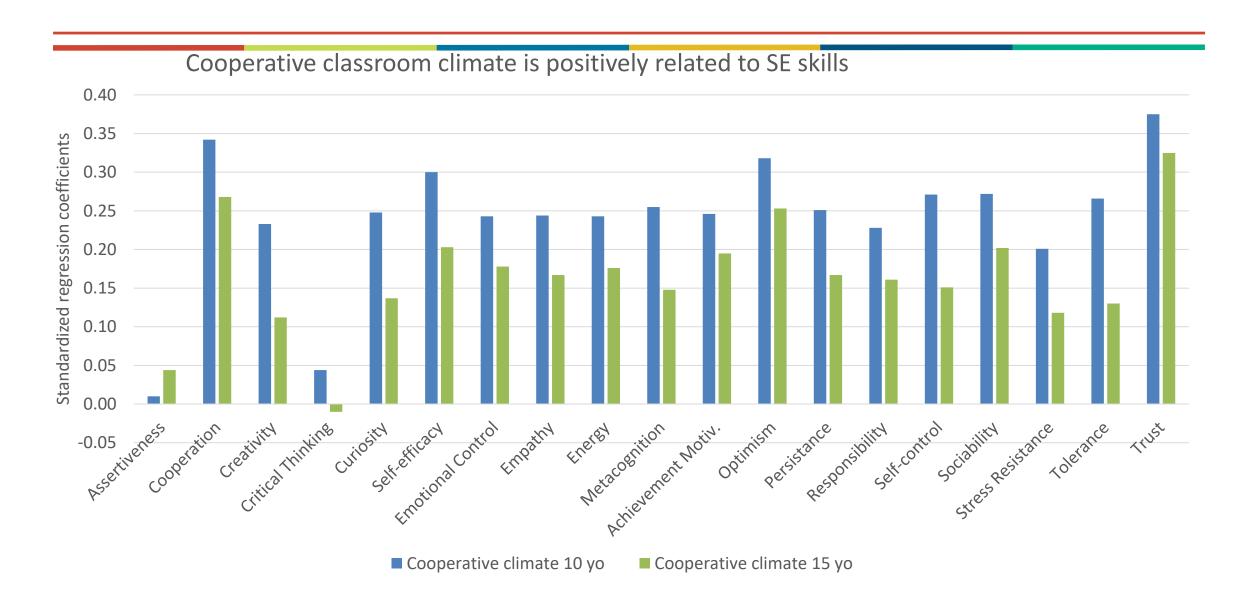
Fostering creativity in schools: Skills



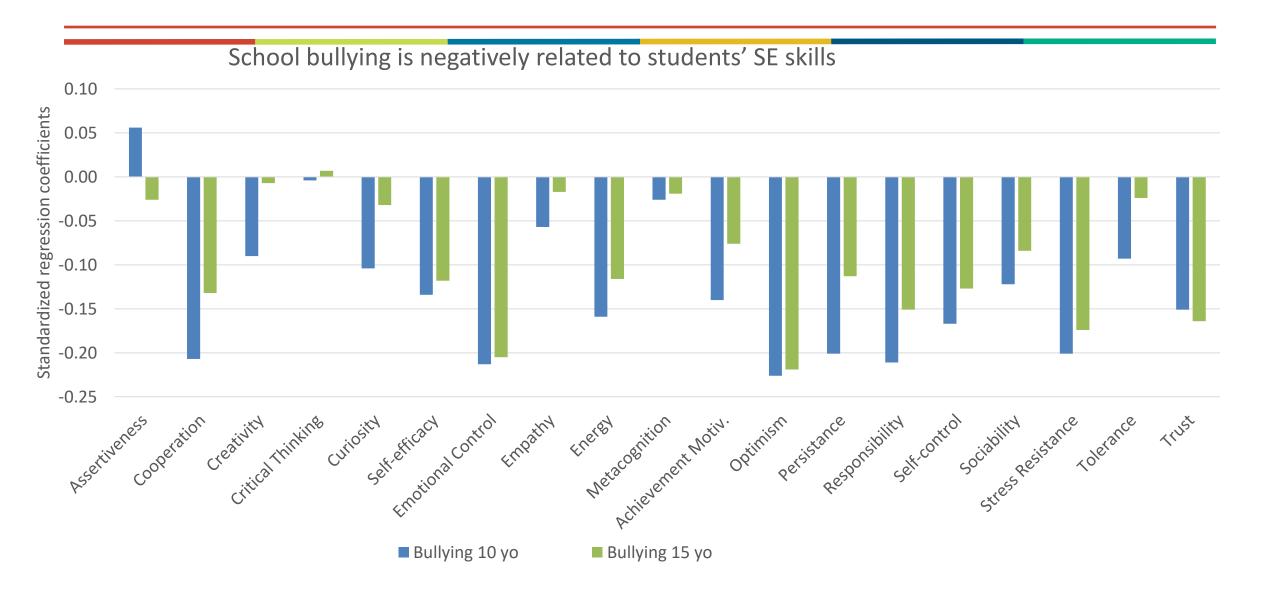


- Cognitive & metacognitive
- Social & emotional
- Physical & practical

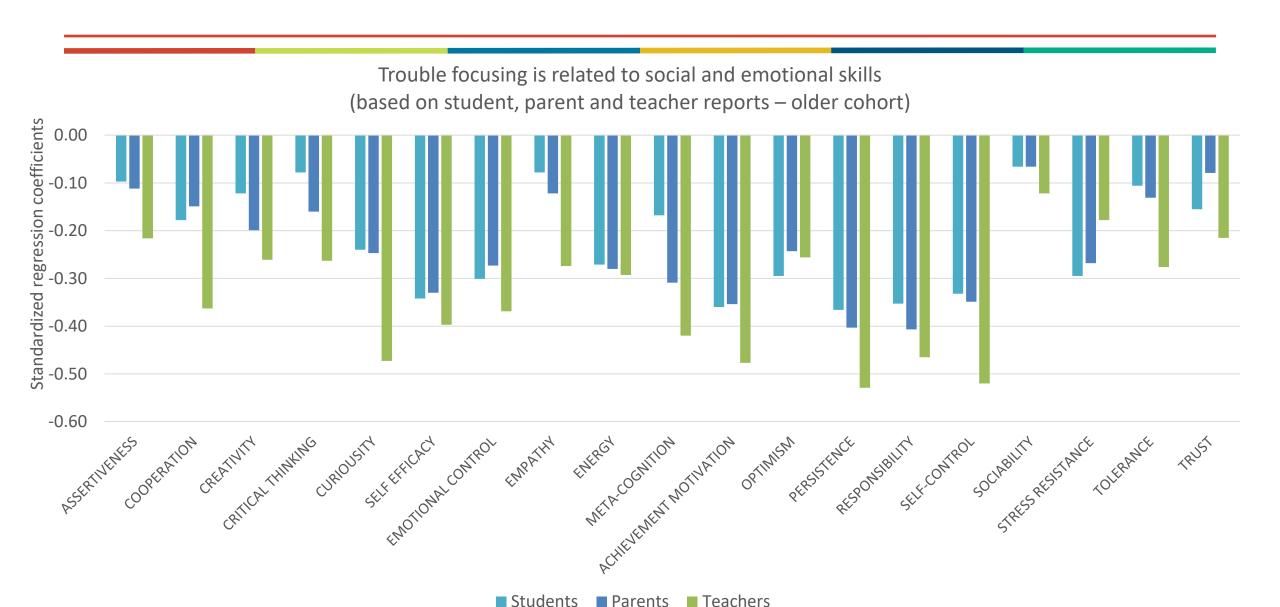
Influence of students' environment – Classroom climate



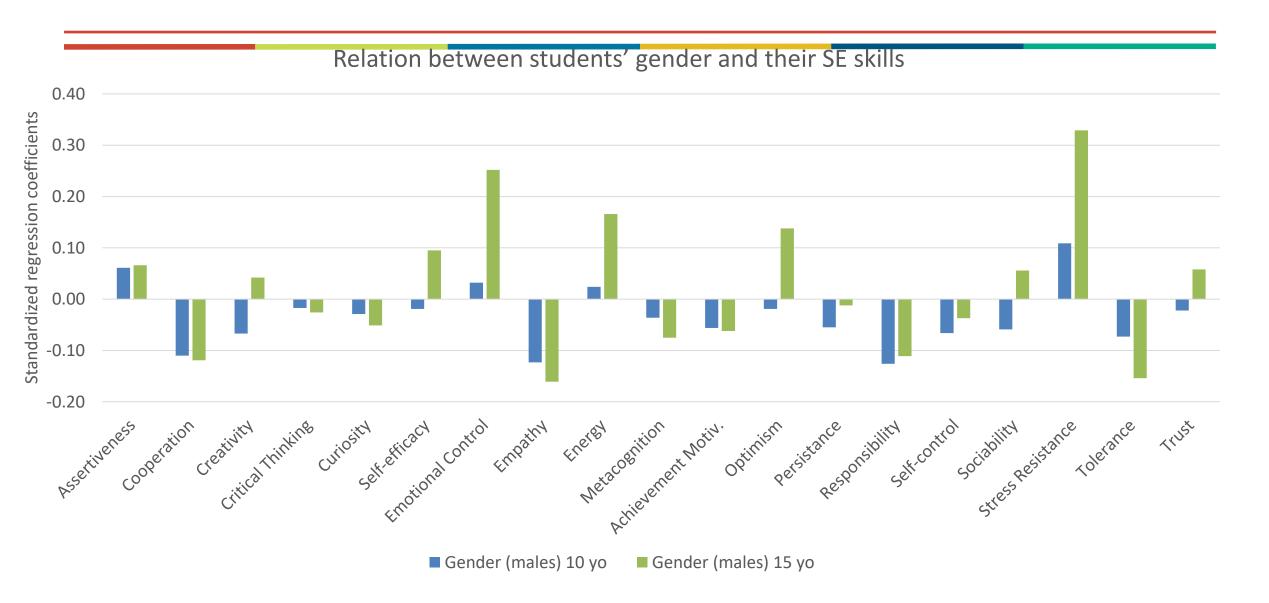
Influence of students' environment – School bullying



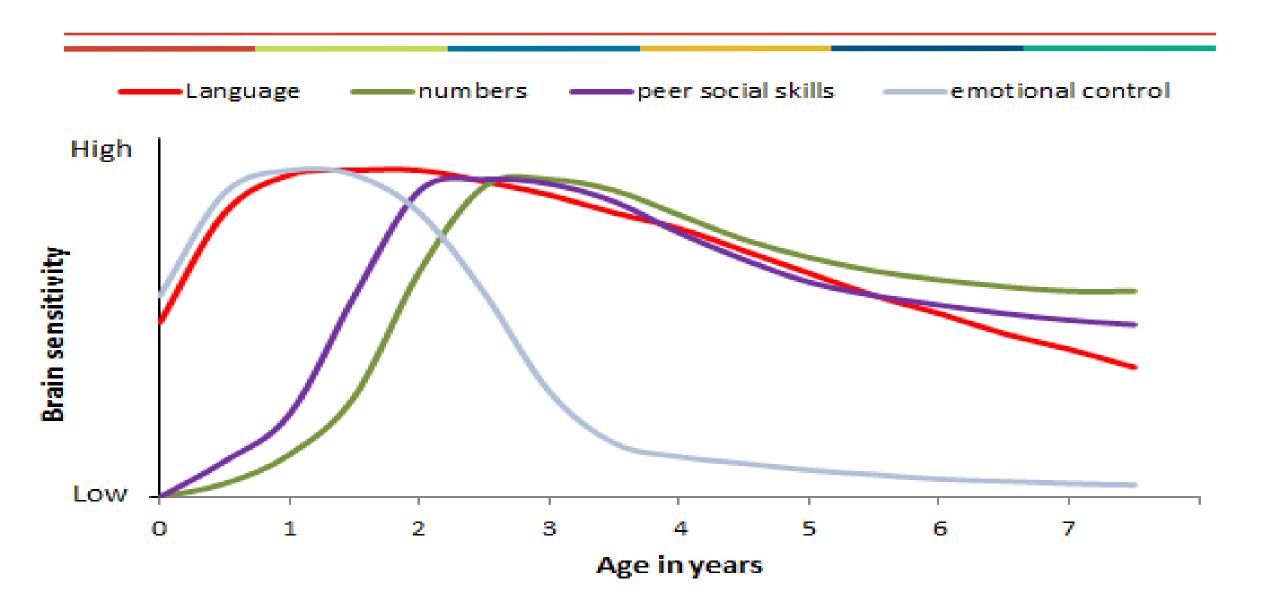
Importance of SE skills – Better focus, harder to distract during class



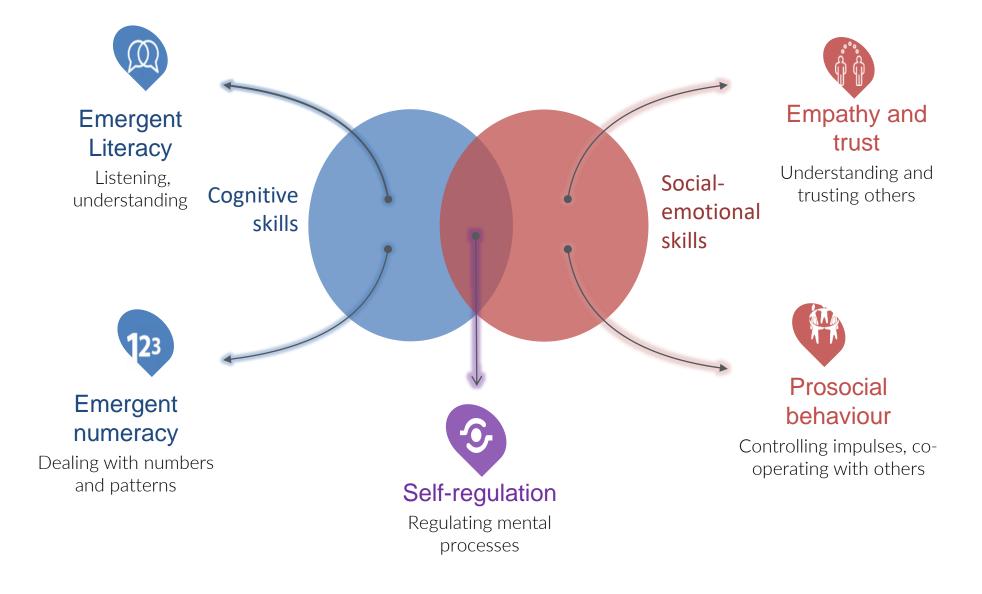
Relationship of social and emotional skills and students' gender



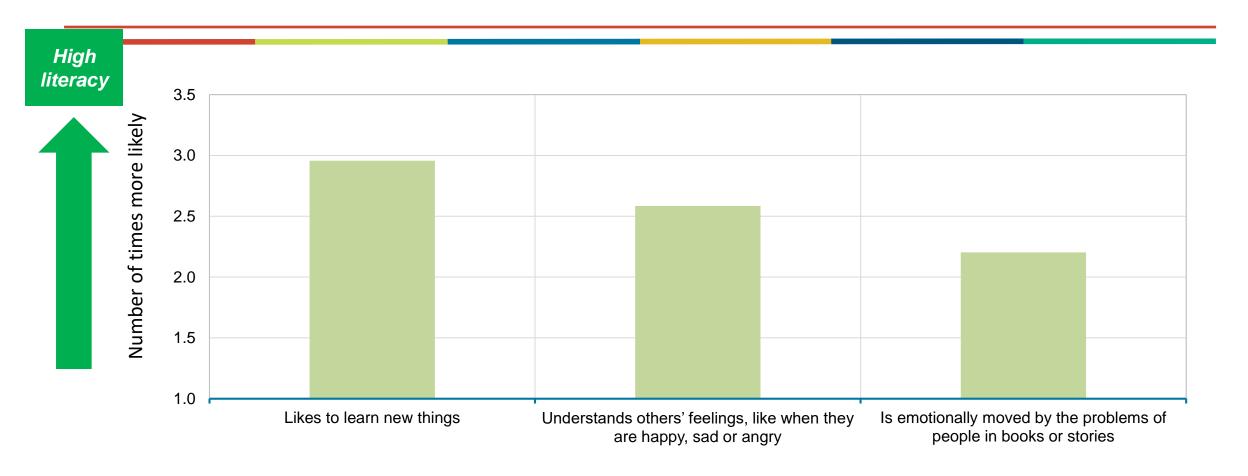
Brain sensitivity of important developmental areas



Based on a balanced, broad set of domains



An example



Source: IELS Main Study

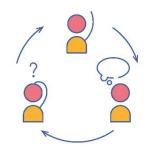
Transformative competencies





- Creating new value
- Taking responsibility
- Reconciling tensions & dilemmas

Implications for pedagogy





- Anticipation
- Action
- Reflection

When fast gets really fast, being slow to adapt makes education really slow

Industrial systems

World class systems

Student inclusion

Some students learn at high levels (sorting)

All students need to learn at high levels

Routine cognitive skills

Curriculum, instruction and assessment

Complex ways of thinking and doing

Standardisation and compliance

Teacher education

High-level professional knowledge workers

'Tayloristic', hierarchical

Work organisation

Flat, collegial

Accountability

Primarily to authorities

Primarily to peers and stakeholders

Thank you

Find out more about our work at www.oecd.org/education/TALIS

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