



Setting Expectations: Preparing Students for College and Career

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Strengthening Legislative Institutions

How NCSL Strengthens Legislatures



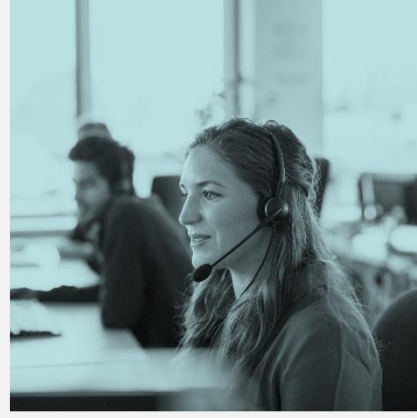
Policy Research

NCSL provides trusted, nonpartisan policy research and analysis



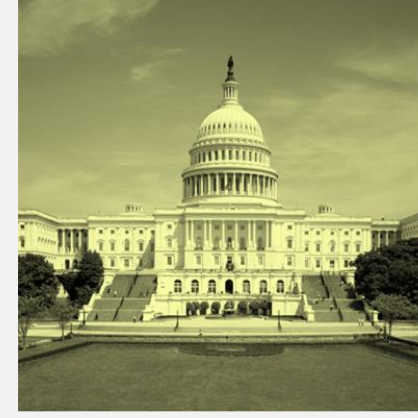
Connections

NCSL links legislators and staff with each other and with experts



Training

NCSL delivers training tailored specifically for legislators and staff



State Voice in D.C.

NCSL represents and advocates on behalf of states on Capitol Hill



Meetings

NCSL meetings facilitate information exchange and policy discussions

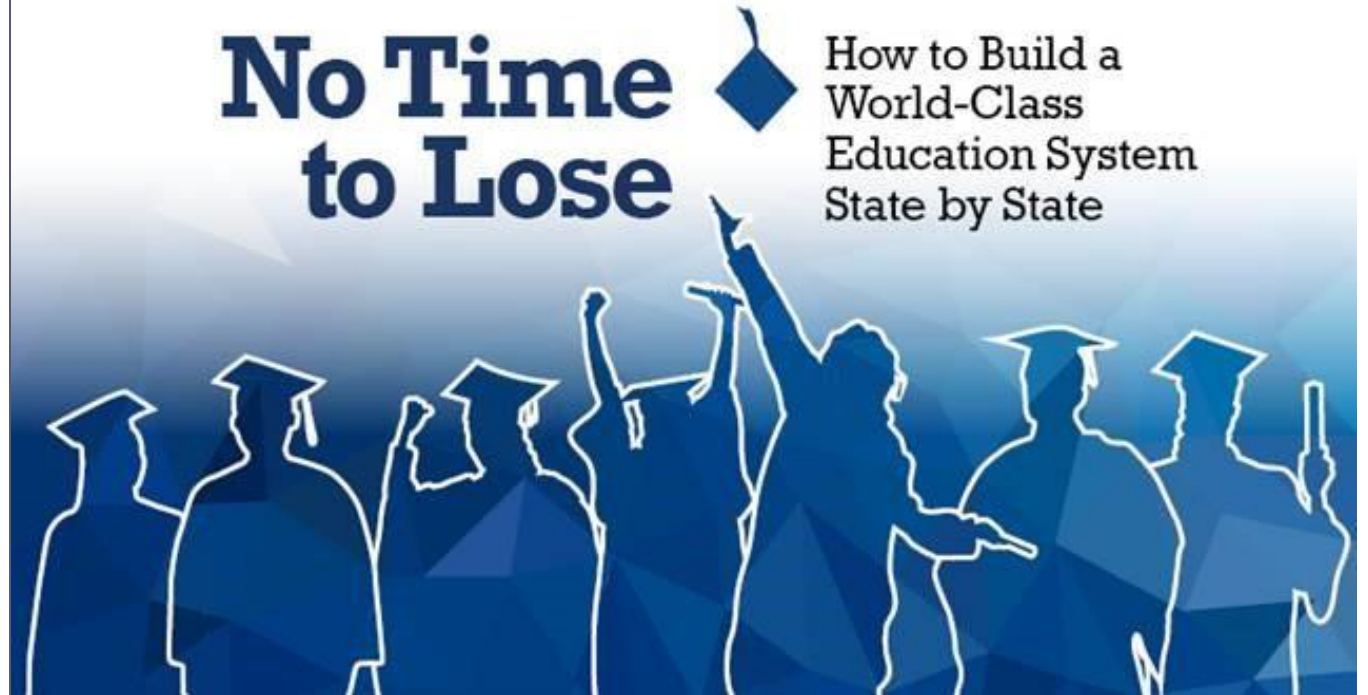


Why College & Career?

- Economy/Jobs
- Civic Engagement

State Legislators Learn about High-Performing Systems

- International comparisons are valid
- US students are quickly falling behind
- Our own measures show stagnation
- Much to learn from highest performing systems

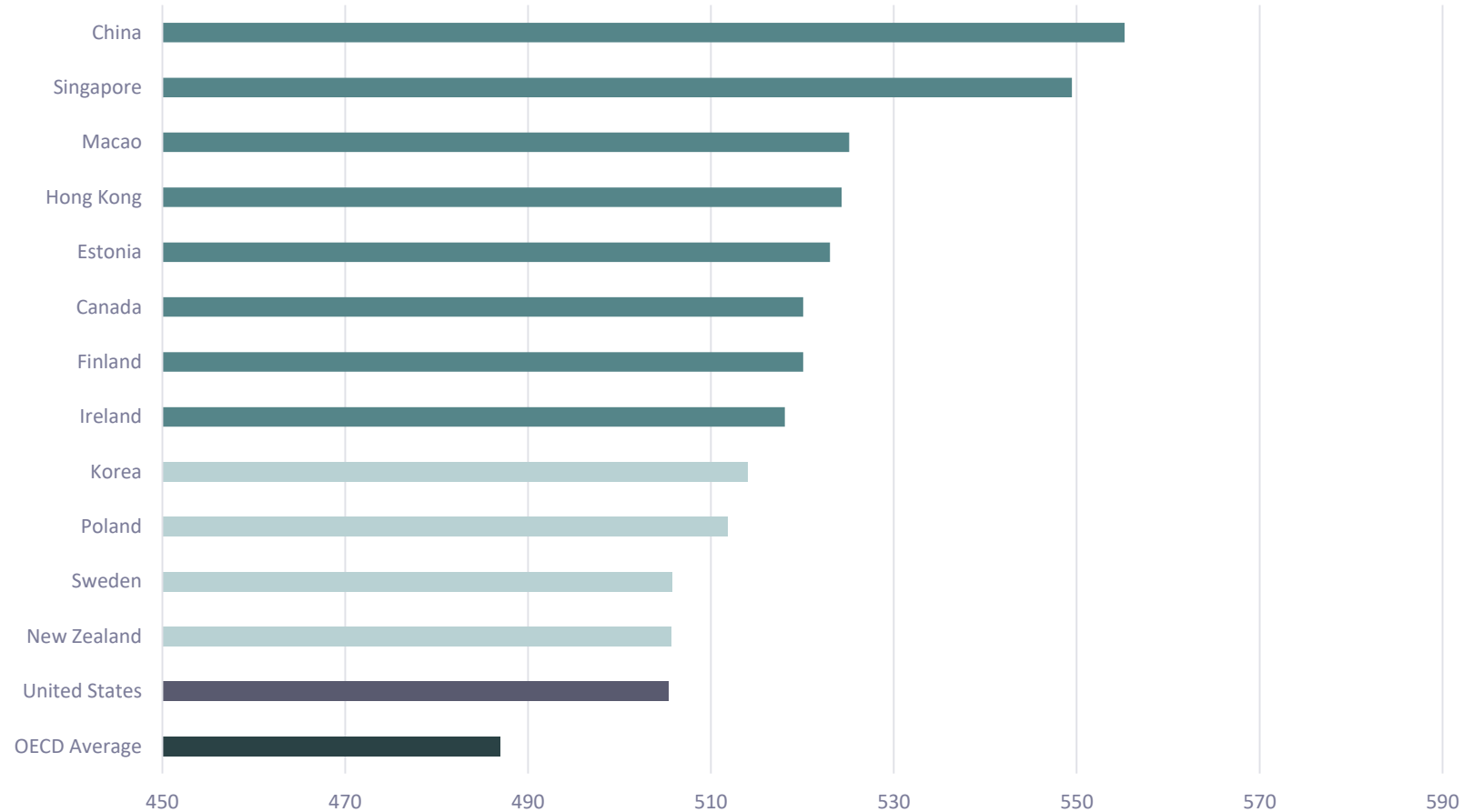


Cannot Ignore PISA Results: Alarms are Sounding

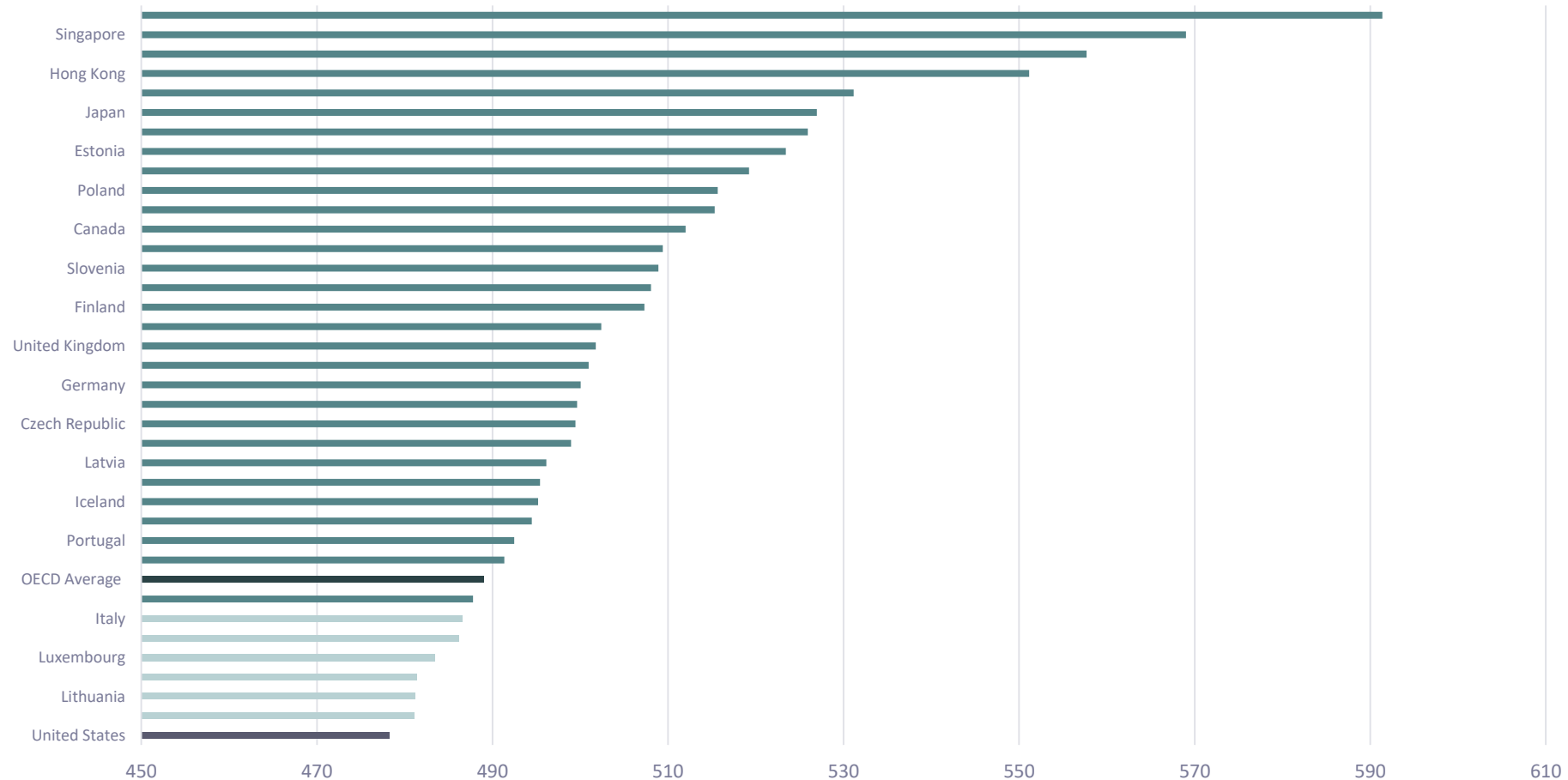
- Programme of International Student Assessment (PISA) administered by Organization of Economic Cooperation and Development (OECD)
- Measures 15-year-old' ability in 79 countries to use their reading, mathematics and science knowledge and skills to meet real-life challenges.
 - **Reading:** understand, use, evaluate, reflect on and engage with texts
 - **Mathematics:** capacity to reason mathematically, using concepts, procedures, facts and tools to describe, explain and predict phenomena
 - **Science:** Explain phenomena scientifically, evaluate and design enquiry, interpret data scientifically



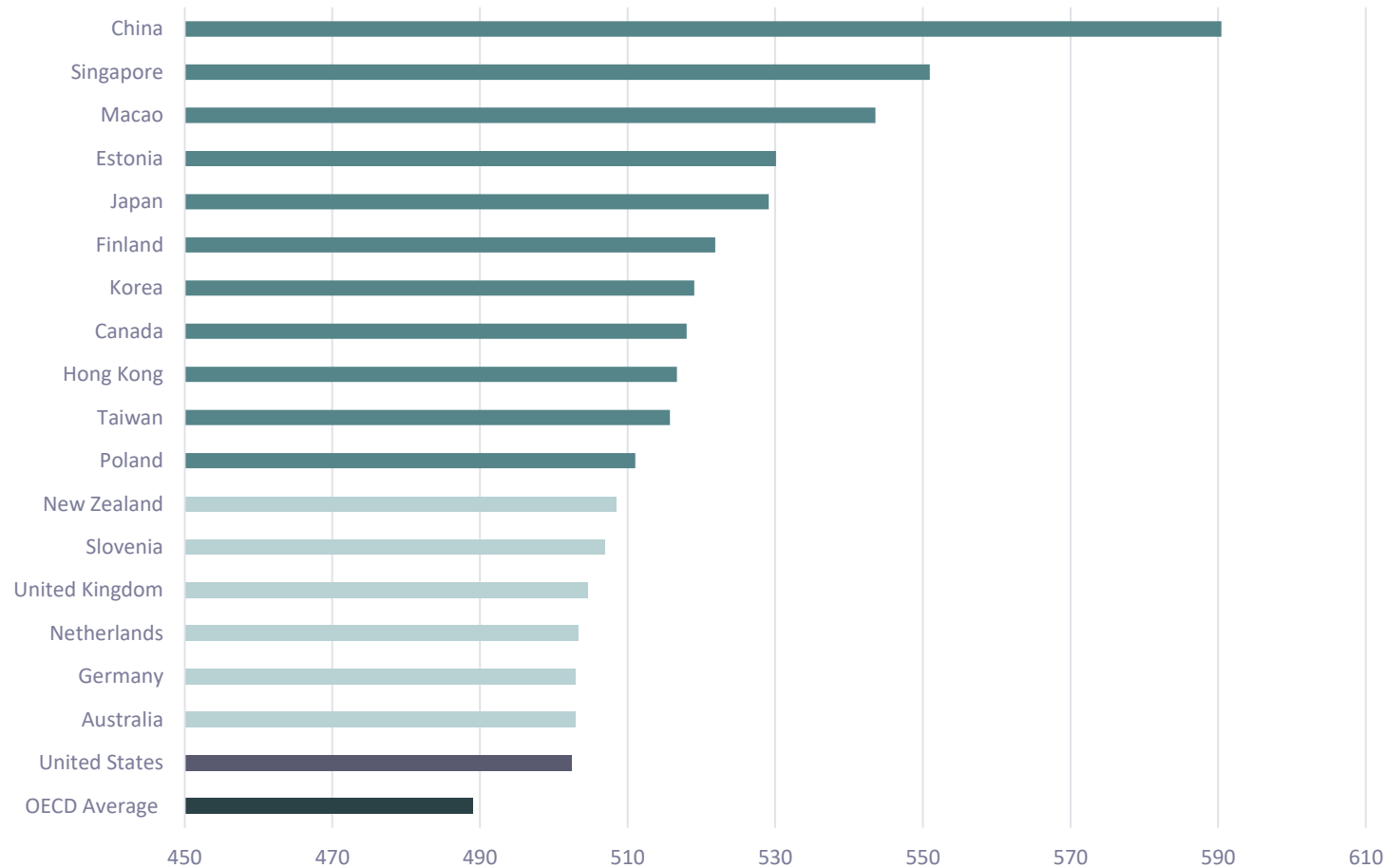
2018 PISA Results (Released in December 2019): 8 Systems Better In Reading



2018 PISA Results (Released in December 2019): 30 Systems Better In Mathematics



2018 PISA Results (Released in December 2019): 11 Systems Better In Science



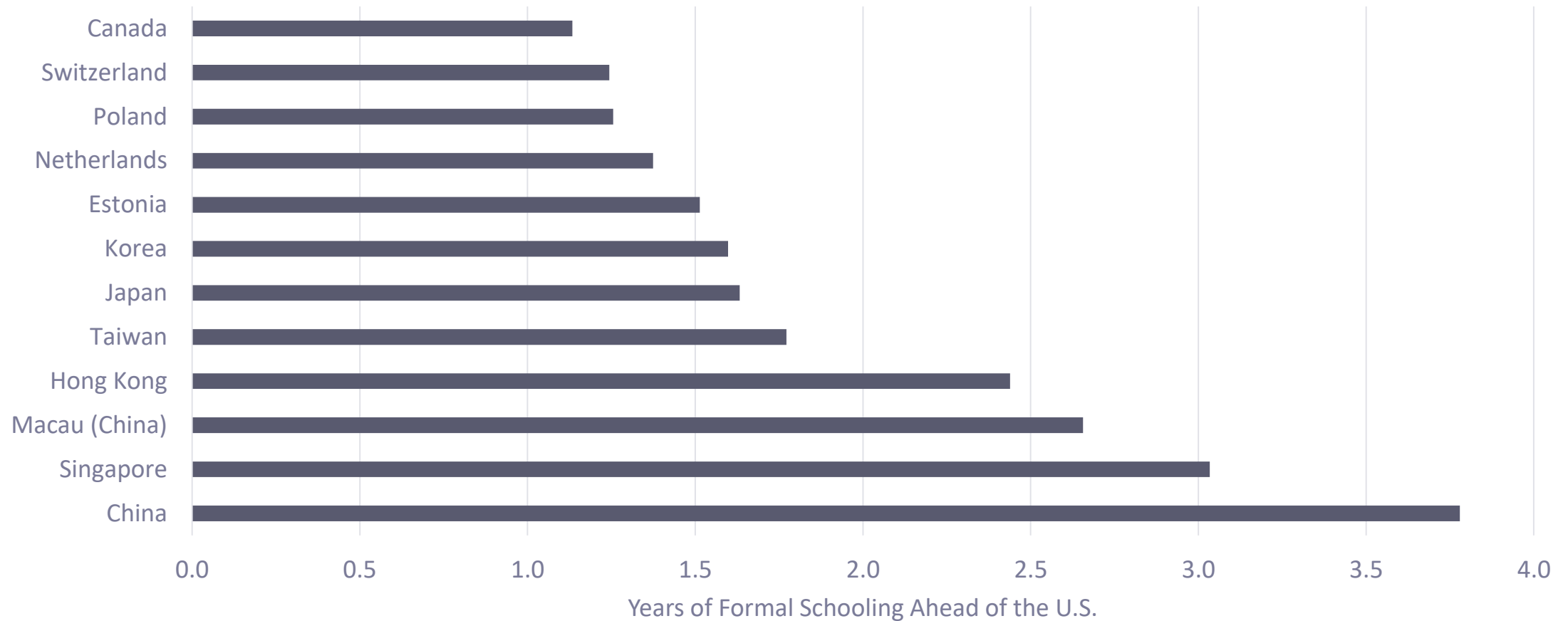
What Does This Mean?

In reading and science:

- Students in small group of consistently high performing countries are **about 1 year ahead of U.S. students**
- **Only 14% of US students** can distinguish between fact and opinion
- **Only 9%** can apply scientific knowledge to unfamiliar situations

Top Performers 1-4 Years Ahead in Math

Years Ahead: Math Performance on PISA 2018 Compared to U.S.



Nation's Report Card Shows Little Progress

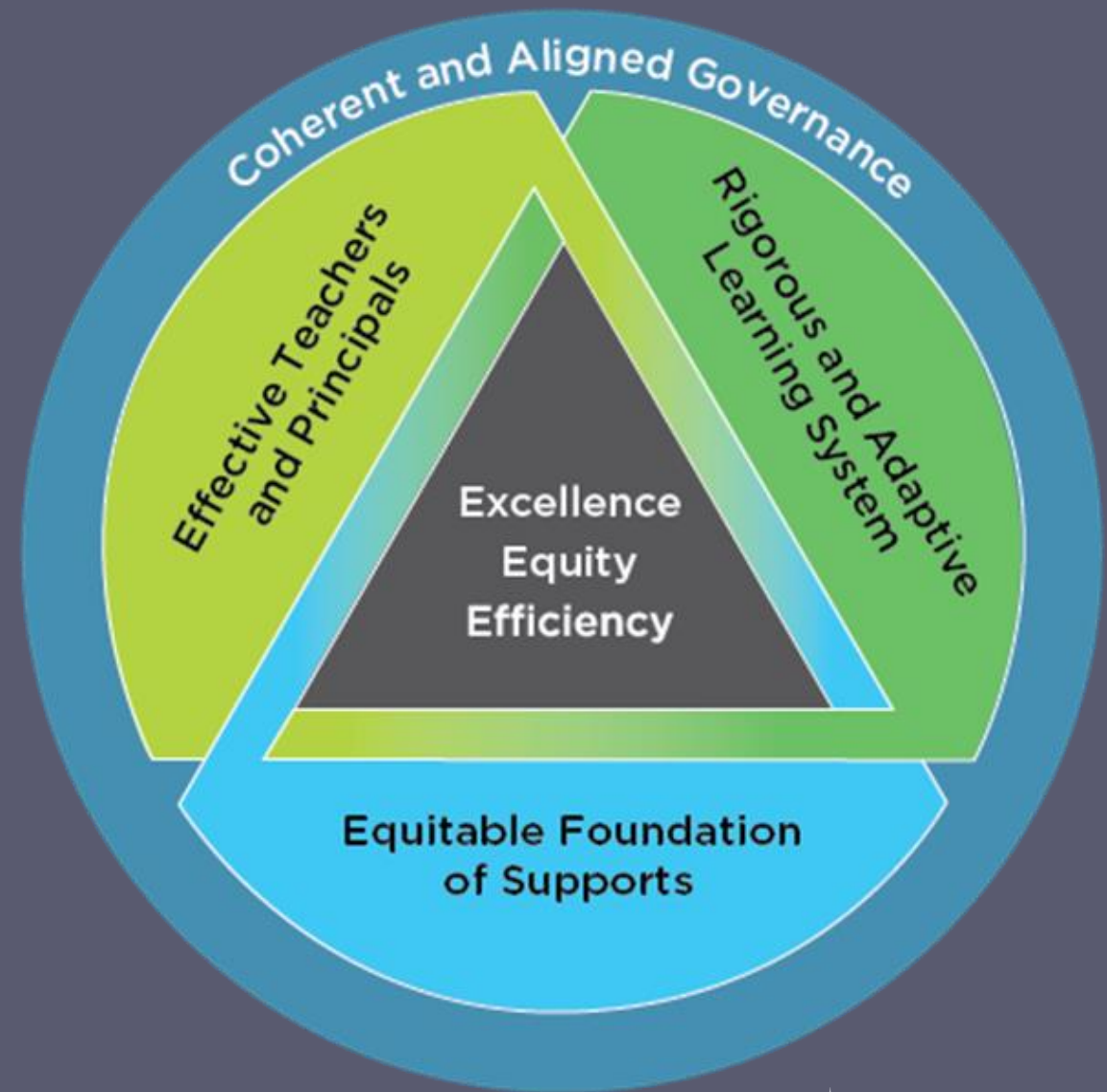
2019 Results

- 2019 results show that student performance on reading and math are stagnant and **have not improved in decades**.
- Achievement gap is **widening at an alarming rates**, especially since 2009.
- Read full report, including your individual state results:
 - Blog about results: https://nces.ed.gov/nationsreportcard/blog/mathematics_reading_2019.aspx
 - NAEP Website: <https://nces.ed.gov/nationsreportcard/>
 - Infographic of national performance:
https://www.nationsreportcard.gov/mathematics/supportive_files/2019_infographic.pdf
 - New Mexico Results:
https://www.nationsreportcard.gov/profiles/stateprofile/overview/NM?cti=PgTab_OT&chort=1&sub=MAT&sj=NM&fs=Grade&st=MN&year=2019R3&sg=Gender%3A+Male+vs.+Female&sgv=Difference&ts=Single+Year&tss=-2019R3&sfj=NP&selectedJurisdiction=NM

NCEE'S Framework for Systemic Education Redesign

High-performing education systems have four components. Combined, they create a composite picture of a system that performs at world-class levels and that U.S. states and districts should aspire to match. But a system is more than the sum of its parts: the components have to reinforce one another. Effective teachers and principals activate the rigorous and adaptive learning system for students. An equitable foundation of supports ensures that teachers and principals can teach and lead effectively and that all students come to school ready and able to learn successfully. Coherent and aligned governance incentivizes each component to work in tandem, creates accountability for achieving results, and provides a structure to organize the system.

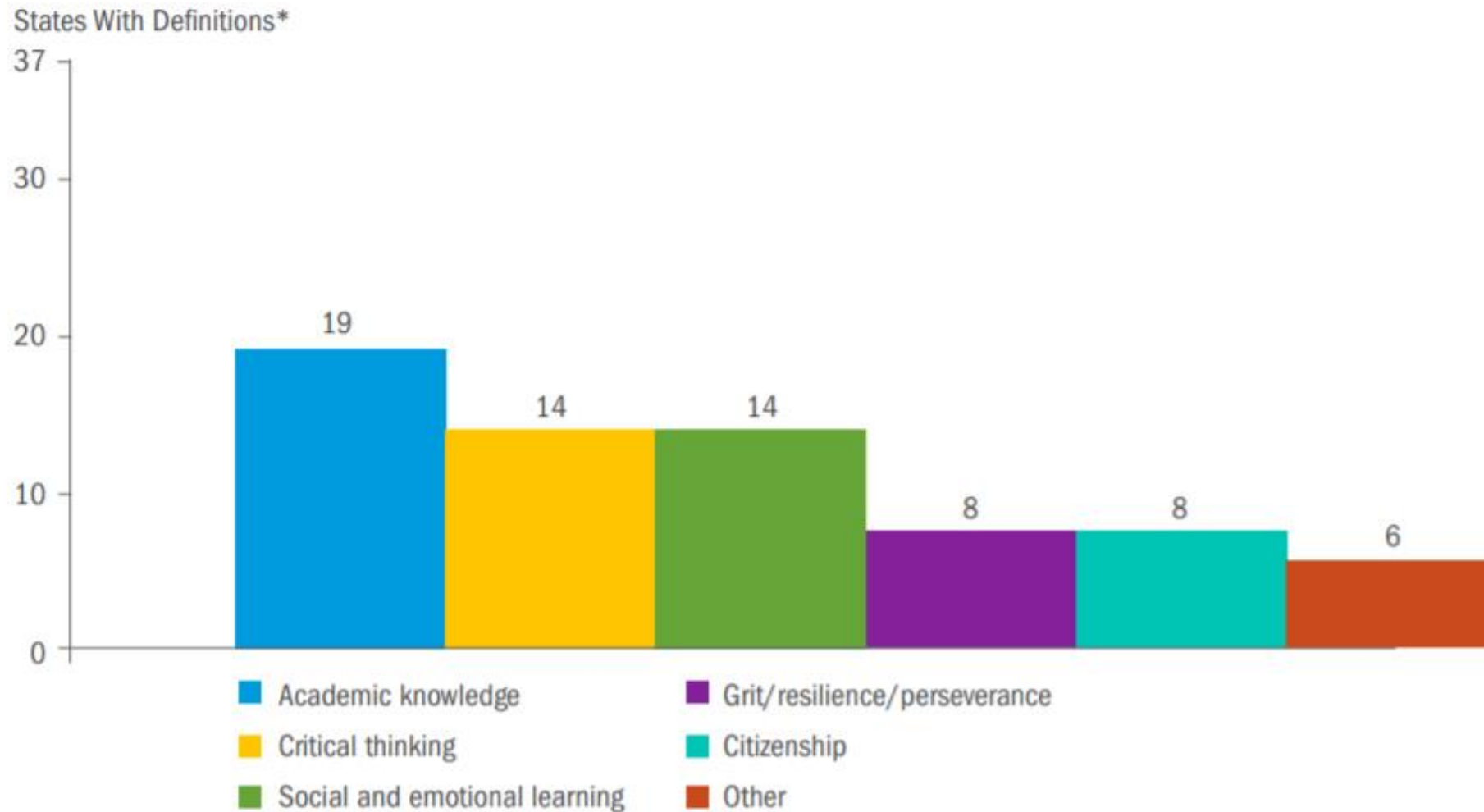
The most important feature of a high-performing education system is not that it contains all of these components. It is that the components are aligned and designed to work together *as a system*.



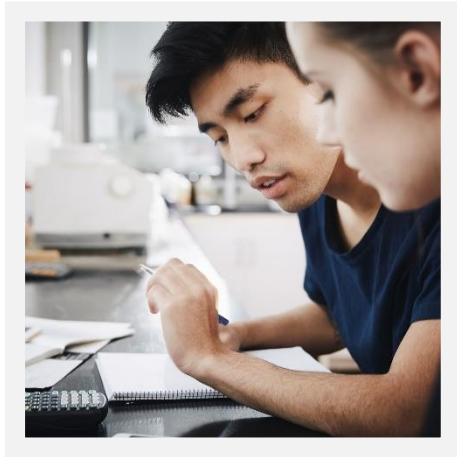
Defining College and Career Readiness

- 37 states have definitions
- 21 list specific qualities or attributes:
 - Academic knowledge
 - Critical thinking/problem solving
 - Social emotional learning/collaboration/problem solving
 - Grit/resilience/perseverance
 - Citizenship/community involvement

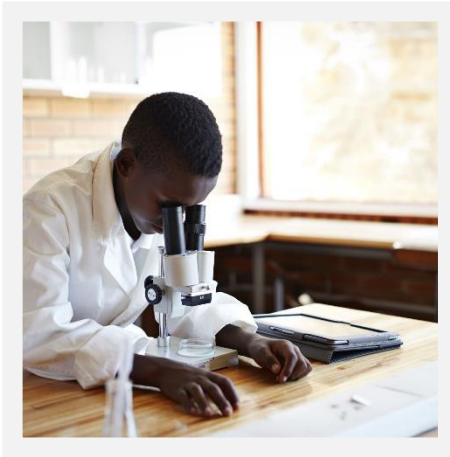
Defining College and Career Readiness



Policy Options: College and Career Readiness



Apprenticeships



Career and Tech Ed

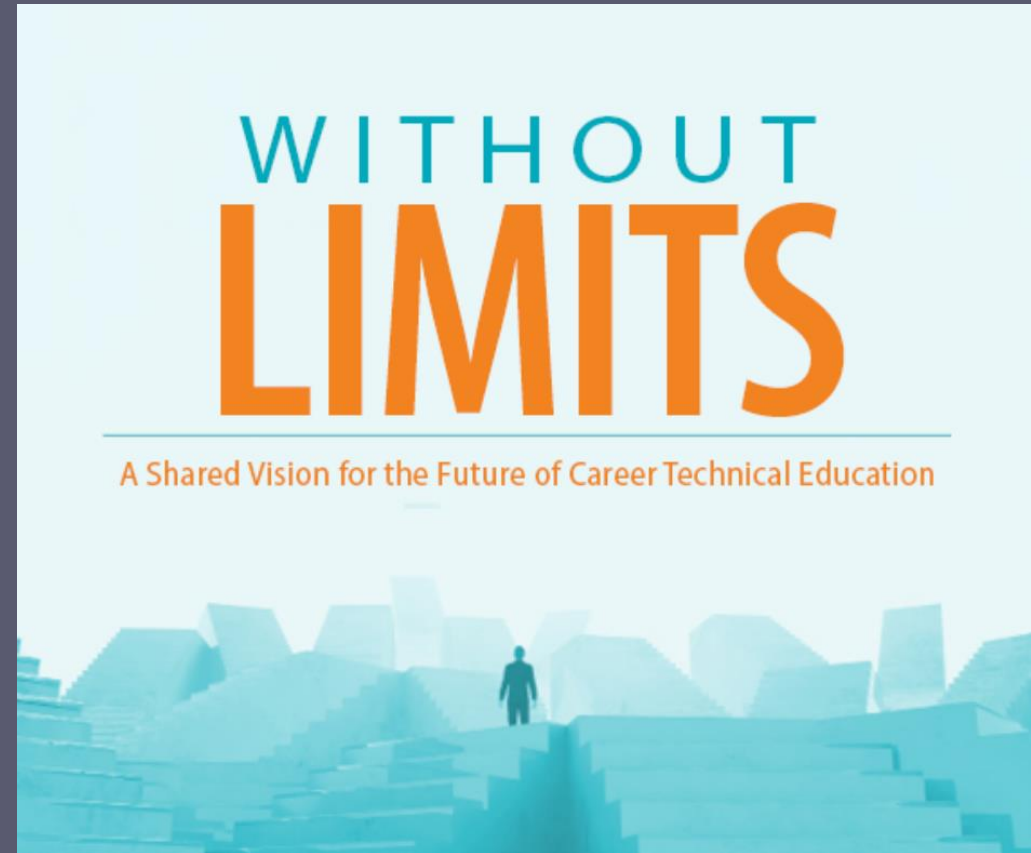


High School Career Pathways

Advance CTE *Without Limits*

CTE Without Limits lays out five inter-connected and equally critical principles:

- Each learner engages in a cohesive, flexible, and responsive career preparation ecosystem
- Each learner feels welcome in, is supported by, and has the means to succeed in the career preparation ecosystem
- Each learner skillfully navigates their own career journey
- Each learner's skills are counted, valued, and portable
- Each learner can access CTE without borders



Additional Resources

Websites:

- 2020-21 International Study Group Resources:
<https://www.ncsl.org/research/education/international-education-study-group-2020.aspx>
- College and Career Readiness Center at AIR Resource:
www.ccrscenter.org
- Advance CTE *Without Limits*:
<https://careertech.org/without-limits>



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