



**STRONGER**

by degrees



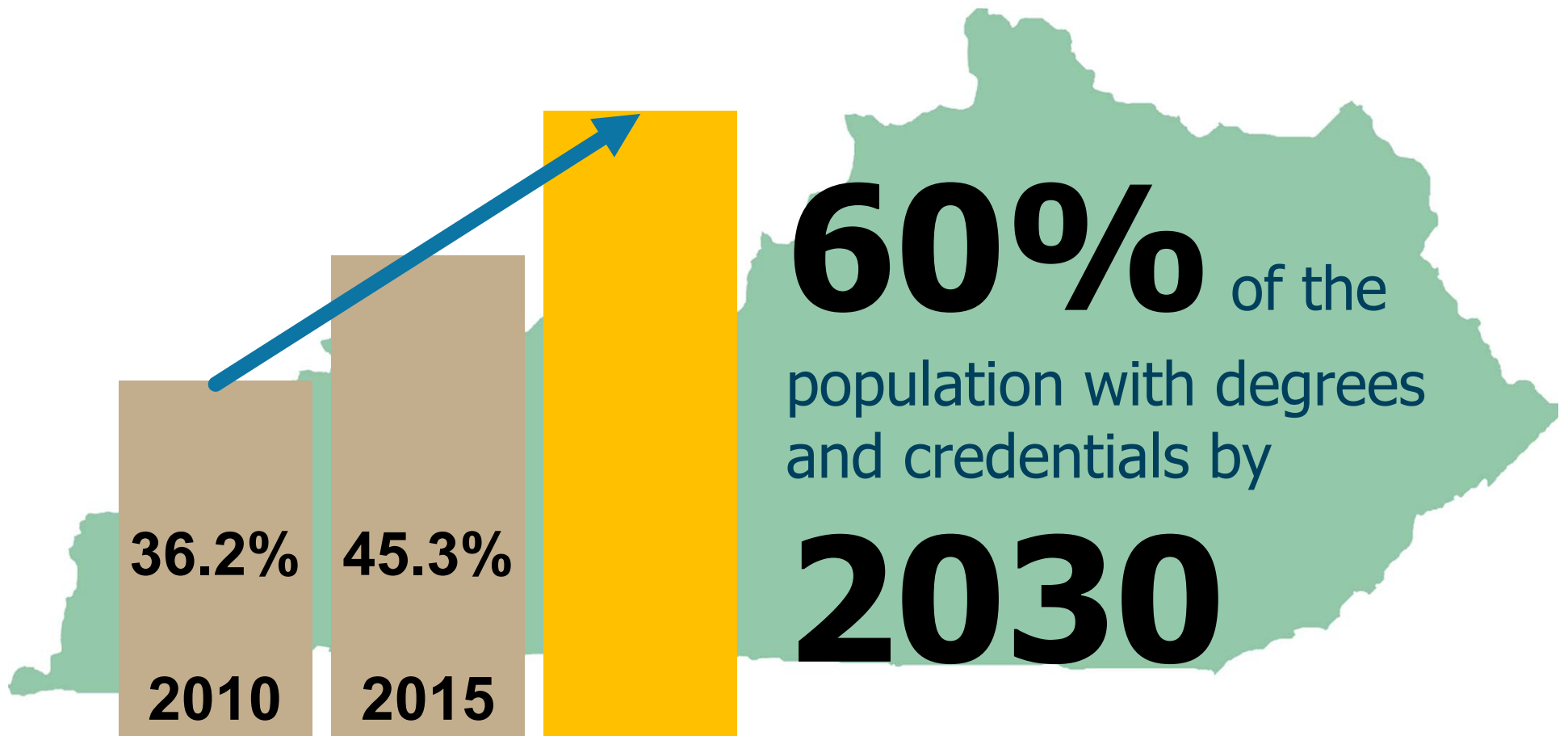
Welcome

Robert L. King

President

Kentucky Council on Postsecondary  
Education

# Kentucky's Big Goal



*\*2030 numbers based on estimated population of 2,275,001.*

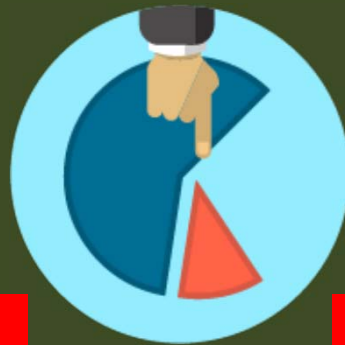
# Forces at Work



**Policy for Diversity,  
Equity and Inclusion**

--

**Academic Programs**



**Statewide Strategic  
Agenda for  
Postsecondary and  
Adult Education**

--

**2030 Goal**



**Performance Funding  
Model**

--

**Operations Budget**





**Do we ensure  
that all  
students have  
high-quality  
educational  
experiences?**

**Let me ask you. . . .**

**How many of you believe your education was worth the cost?**

**How many of you wished you had chosen a different credential?**

**How many of you wished you had chosen a different major?**



## Among Kentuckians surveyed by Gallup

Only **73%** believe they received a “high-quality” education.

Only **62%** would recommend their educational paths to others.

Only **66%** believe their education was worth the cost.

**13%** wished they attended a different institution.

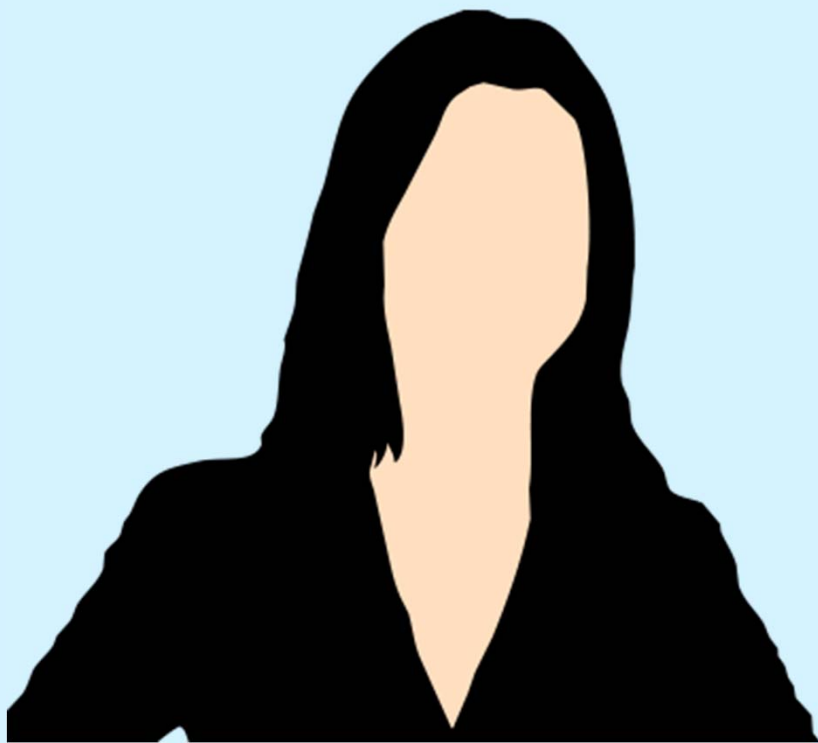
**27%** wished they had chosen a different credential (certificate, associate, baccalaureate, etc.).

**37%** wished they had chosen a different major.

*Note: All percentages are under the national average of survey responses.*

*Source: Kentucky's Workforce Progress and Challenges. Kentucky Chamber of Commerce. 2018.*





**Do we instill  
essential skills  
in our  
students?**



# The Need: Well-Rounded Graduates

**One in four** Kentucky employers have problems finding applicants with the appropriate “soft skills,” including

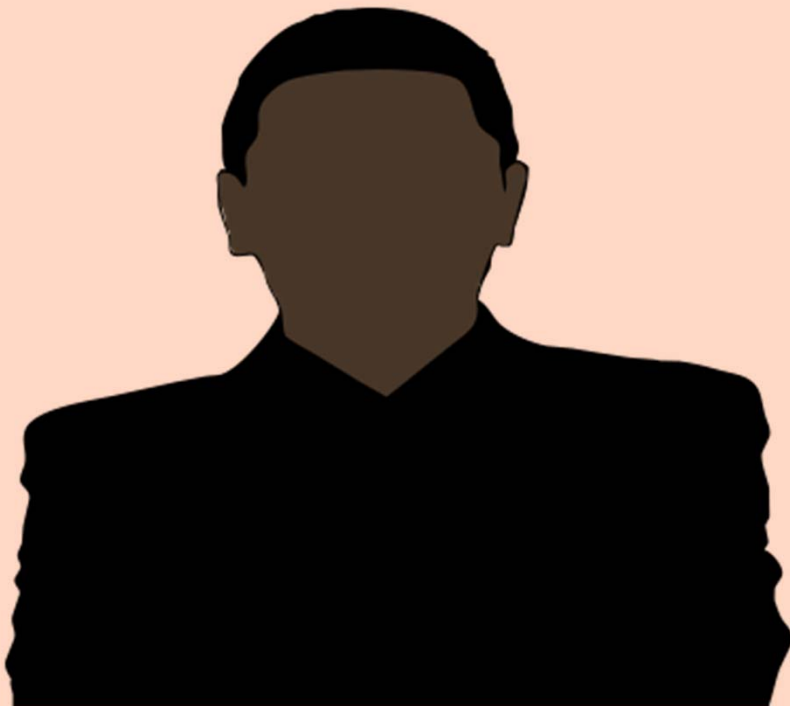
- Understanding the importance of showing up for work.
- Teamwork and communicating well with others.
- Leadership and taking personal responsibility for their actions.
- Adaptability and managing their time effectively.
- Critical thinking and problem-solving.

*Sources: Kentucky's Workforce Progress and Challenges. Kentucky Chamber of Commerce. 2018. Kentucky's Workforce Challenges: The Employer's Perspective. Kentucky Chamber of Commerce. 2015.*





**Are we doing  
enough to  
support  
underprepared  
students?**



# The Need: Helping the Underprepared

Improving the number of students who complete a credit-bearing course by the end of the fall semester a year after entry.

	<u>Fall 2016</u>	<u>Fall 2020 Target</u>
<b>Progress in English</b>		
Statewide	40.8%	70%
<b>Progress in Math</b>		
Statewide	24.2%	60%

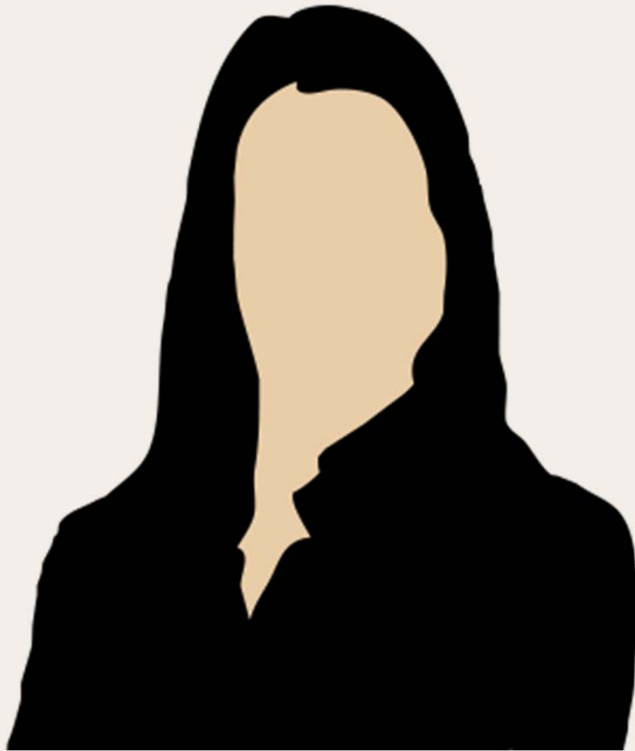
*Source: CPE Comprehensive Database. Data, Research and Analysis Unit.*



**Are your admissions practices thoughtful and intentional?**

**Are you implementing at-scale corequisite education?**





**Are we  
adequately  
educating  
students from  
diverse  
backgrounds?**

# The Need: Diverse Pool of Graduates

## Three-Year Graduation Rates

2016-17, KCTCS

Overall Rate, 22.7%

19.4%

Low-Income

13.3%

Underrepresented  
Minorities

## Six-Year Graduation Rates

2016-17, Public Universities

Overall Rate, 51.3%

37.0%

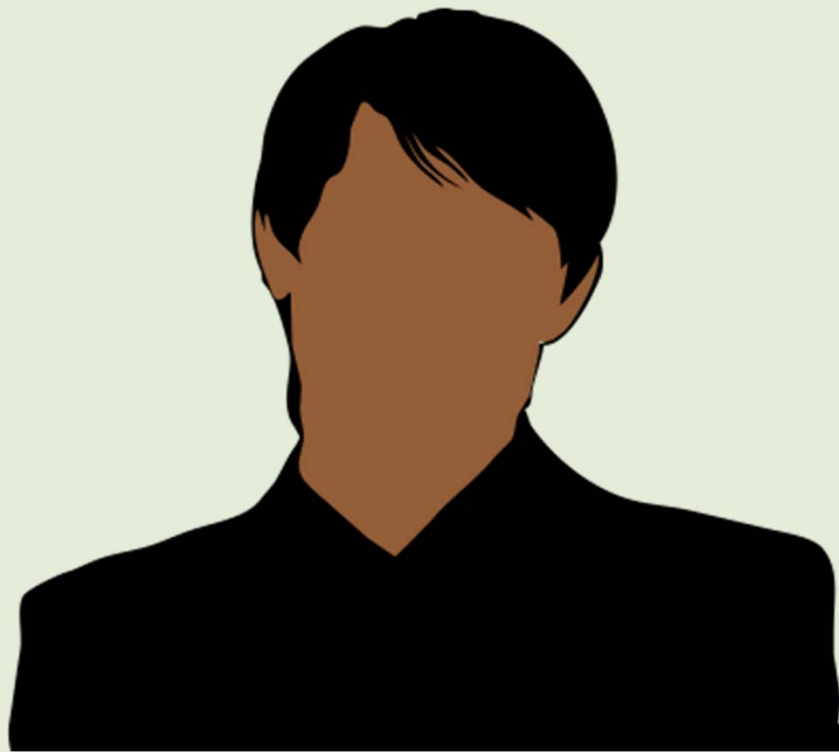
Low-Income

36.6%

Underrepresented  
Minorities

Source: CPE Comprehensive Database. Data, Research and Analysis Unit.





**Are we doing  
enough to  
ensure  
employability  
and promote  
lifelong  
learning?**

# The Need: Productive Citizens

**Nationally**, workers with at least some postsecondary education **now make up 65%** of total employment.

- Out of 11.6 million jobs created since 2008, **11.5 million** went to workers with at least **some college education**.
- Employment of workers with a high school diploma or less **only grew by 80,000** jobs.

*Source: America's Divided Recovery: College Haves and Have-Nots. Anthony P. Carnevale, Tamara Jayasundera, Artem Gulish. Georgetown Center on Education and the Workforce. <https://www.slideshare.net/CEWGeorgetown/americas-divided-recovery-college-haves-and-havenots/1>. Last access 4/2018.*





**Can our  
graduates  
adapt to new  
technologies  
or emerging  
fields?**



# The Need: Adaptable Graduates

- **Half of today's work tasks** could be automated by 2055, but this could happen up to 20 years earlier or later depending on various factors.
  - **About 60%** of jobs will change in some way due to automation, requiring employee adaptability.
  - **51%** of tasks most susceptible to automation account for almost **\$2.7 trillion** in wages.

*Source: A Future that Works: Automation, Employment and Productivity. McKinsey Global Institute. 2017.*



# The Future of Work

According to researchers working in the field of artificial intelligence:

- Machines could win the World Series of Poker within three years.
- Robots would be better than humans at folding laundry within a half decade.
- Truck drivers and retail workers will be obsolete within the next 20 years.
- Machines will be writing best-selling books within 30 years.

*Source: The World in 2018: Human Obsolescence. The Economist. Tim Cross.*





Source: Wall Street Journal. Photos of the Day: Dec. 8. "Robots welding at the Toyota Tsutsumi auto-assembly plant near Nagoya, central Japan." <https://www.wsj.com/articles/photos-of-the-day-dec-8-1512770149>. Last accessed: Dec. 2017.



**You are their future.**

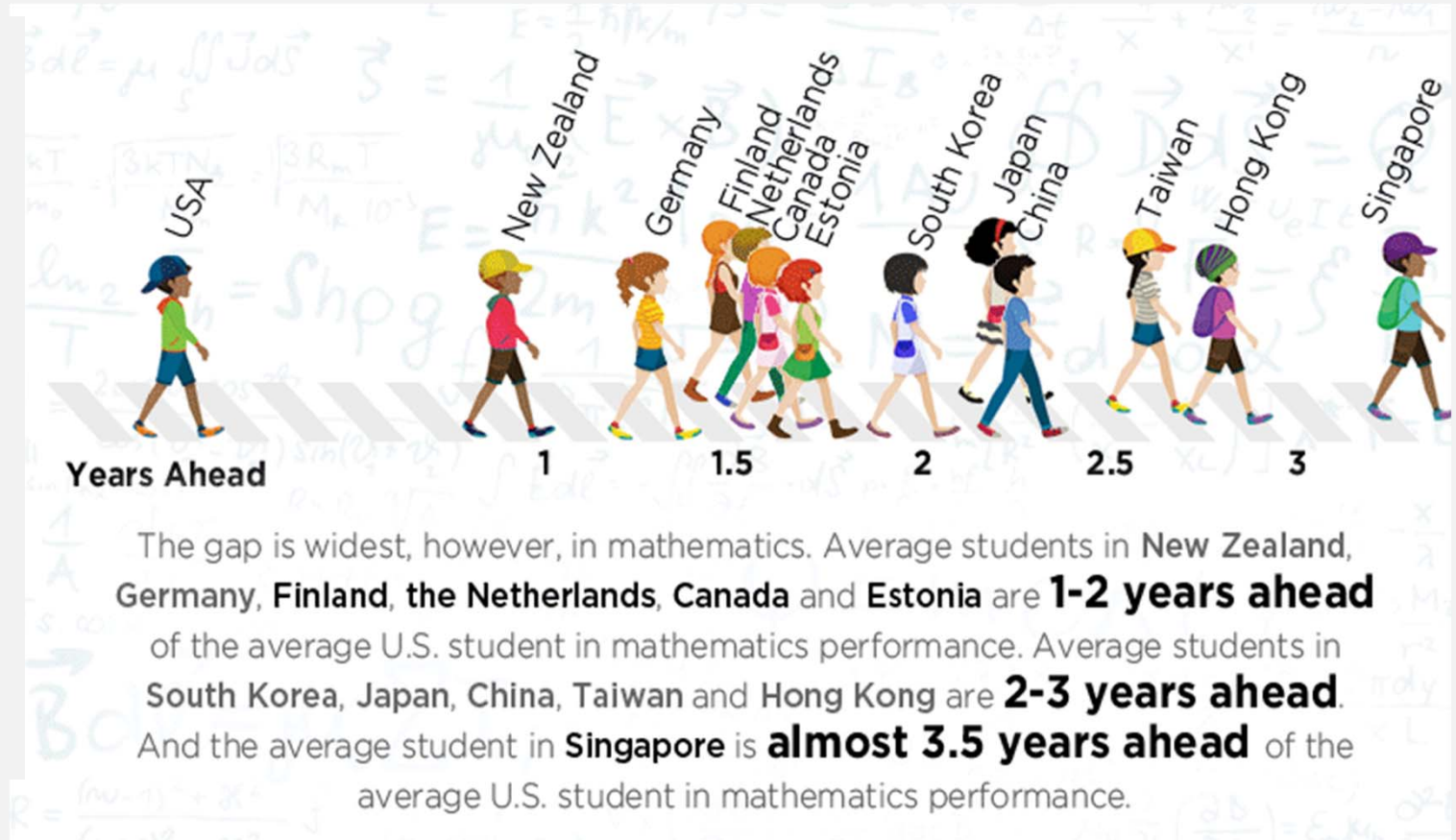


**Better lives. Brighter Futures.**

# The U.S.A. Is Falling Behind in Math

## Comparing 2015 PISA Scores with Other Countries

U.S.A Rankings  
Math  
 2009 – 31  
 2012 – 36  
 2015 – 40



Source: National Center for Education and the Economy. <http://ncee.org/2017/08/statistic-of-the-month-just-how-far-behind-is-the-average-u-s-student/>. Last accessed 9/2017.

# The U.S.A. Is Falling Behind in Science

## Comparing 2015 PISA Scores with Other Countries

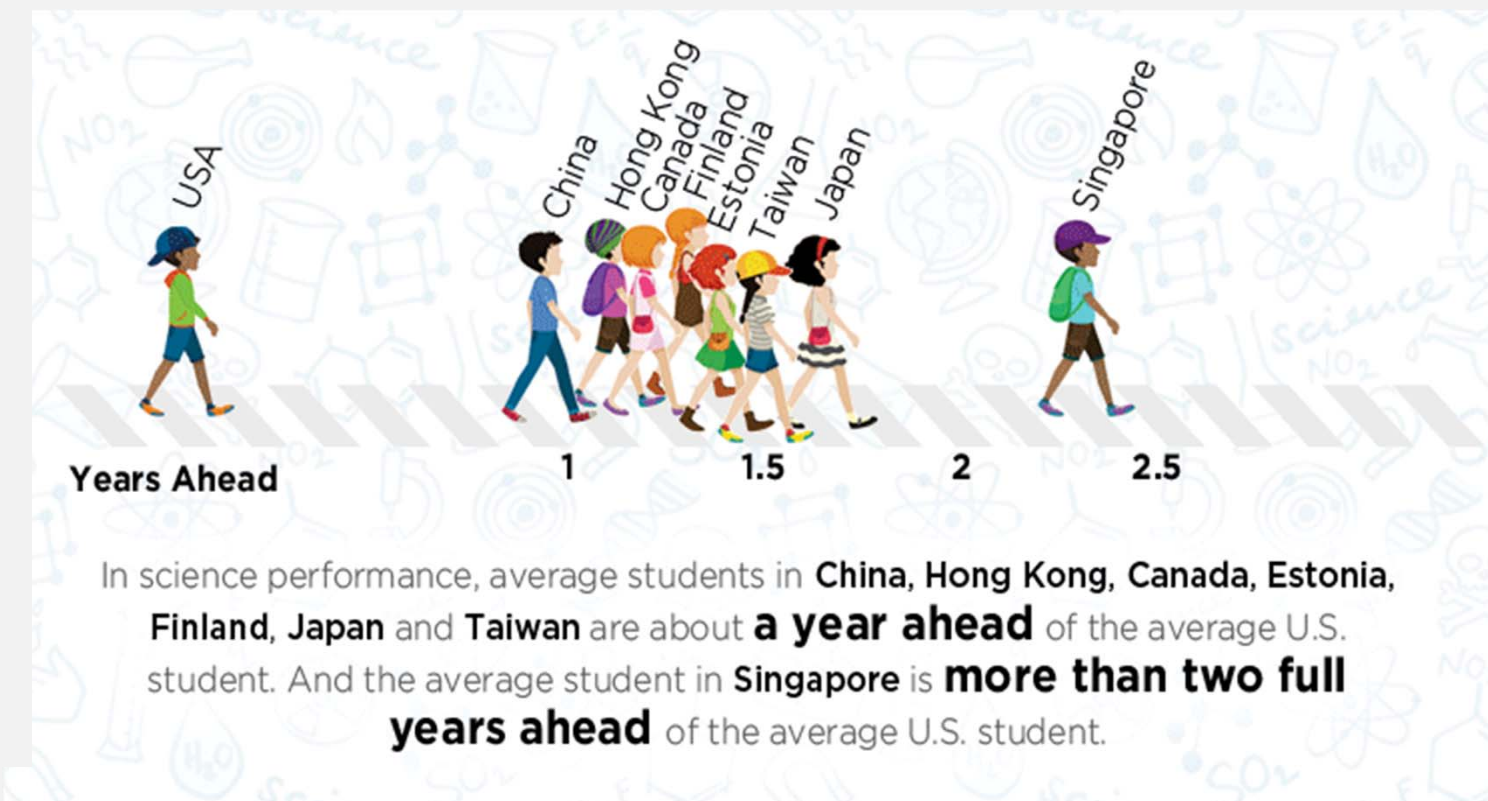
### U.S.A Rankings

#### Science

2009 – 20

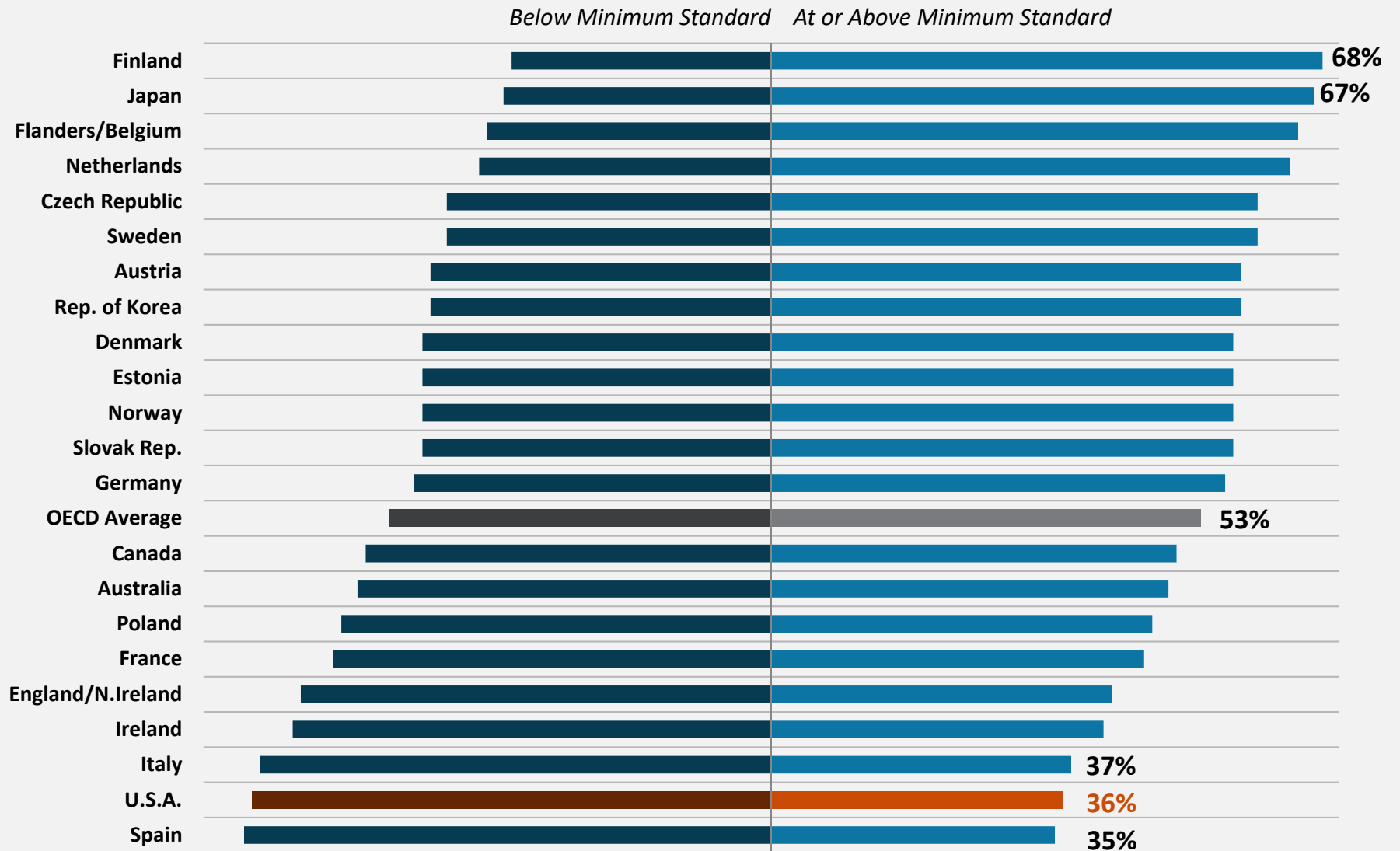
2012 – 28

2015 – 25



Source: National Center for Education and the Economy. <http://ncee.org/2017/08/statistic-of-the-month-just-how-far-behind-is-the-average-u-s-student/>. Last accessed 9/2017.

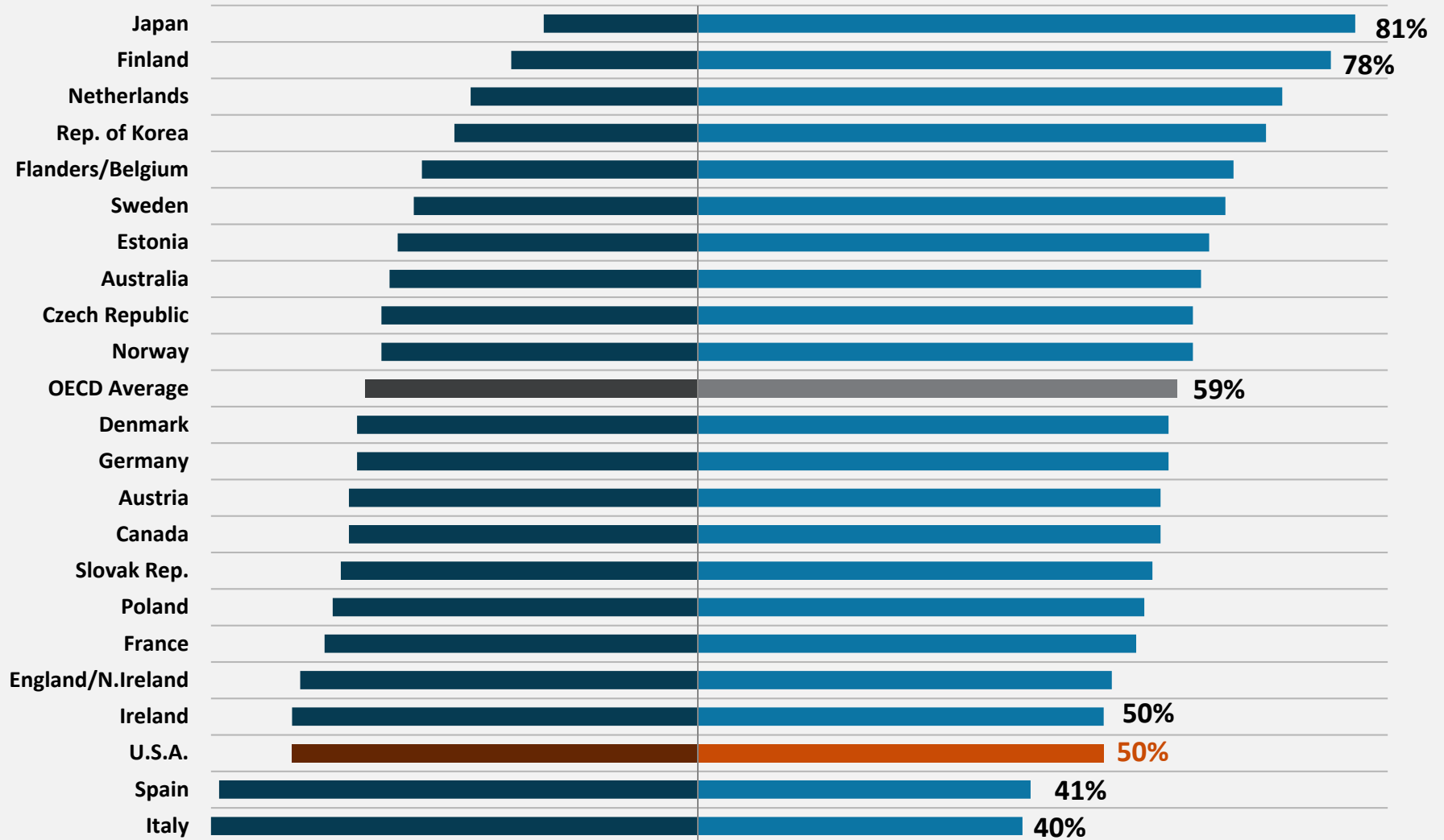
# International Comparison: Numeracy Skills Performance of Adults (Age 16-34)



Source: America's Skills Challenge: Millennials and the Future. 2014. Educational Testing Service.

# International Comparison: Literacy Skills Performance of Adults (Age 16-34)

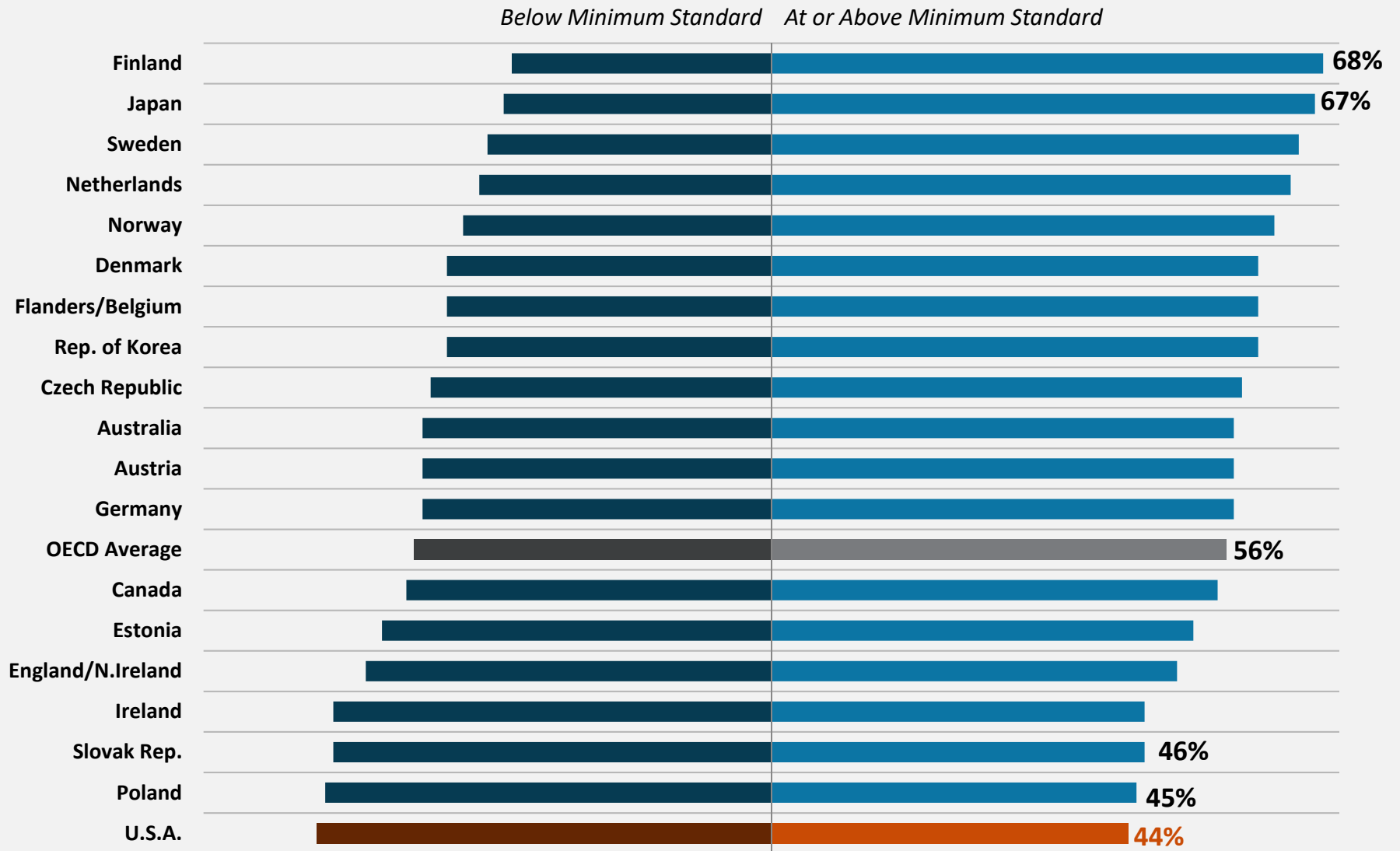
*Below Minimum Standard    At or Above Minimum Standard*



Source: America's Skills Challenge: Millennials and the Future. 2014. Educational Testing Service.



# International Comparison: Problem-Solving Skills Performance of Adults (Age 16-34)



Source: America's Skills Challenge: Millennials and the Future. 2014. Educational Testing Service.

# WELCOME



KENTUCKY  
STUDENT  
SUCCESS  
SUMMIT  
2018