

No Time to Lose



How to Build a
World-Class
Education System
State by State



Annual Conference
New Mexico School Boards Association
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12-01-2017



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International Education Study Group

- Legislators and legislative staff studied the 10 top performing countries/provinces: ***Alberta, Ontario, Estonia, Finland, Hong Kong, Japan, Poland, Shanghai, Singapore, Taiwan***
- Studied with 25 international/state education experts





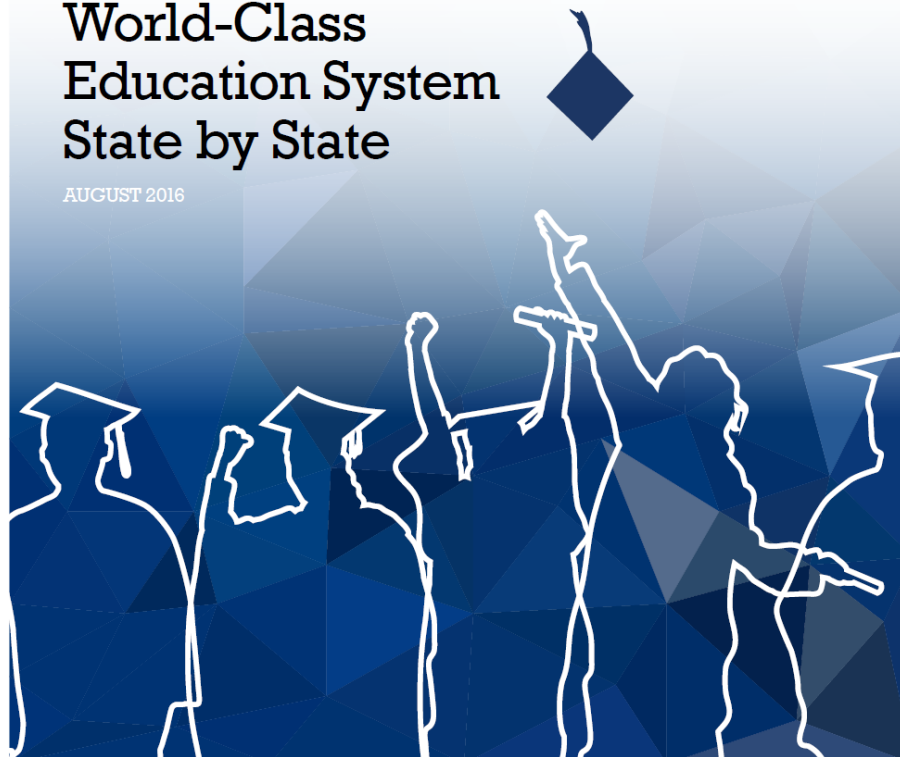
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AUGUST 2016



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Findings: Bad & Good News

- **Bad news:** Most state education systems are falling dangerously behind in a number of international comparisons and on our own National Assessment of Educational Progress, leaving the United States overwhelmingly underprepared to succeed in the 21st century economy.
- **Good news:** By studying these high-performing systems, we are discovering what seems to work. If we get to work right away, we can quickly turn this around as high-performing countries have.



International Surveys Sound Alarms

U.S. RANKING ON PISA

The Programme for International Student Assessment (PISA) is a comparative study of 15-year-old students' knowledge in key areas including math, reading and science.

YEAR (COUNTRIES TESTED)	U.S. RANKING		
	READING	MATH	SCIENCE
2000 (32)	15th	19th	14th
2003 (41)	18th	28th	22nd
2006 (57)	NR	34th	28th
2009 (65)	17th	30th	22nd
2012 (65)	24th	36th	28th
2015 (72)	23rd	39th	25th

SOURCE: NATIONAL CENTER ON EDUCATION AND THE ECONOMY,
CENTER ON INTERNATIONAL EDUCATION BENCHMARKING, 2017

PISA 2015:

- US improved 1 spot in reading, 3 spots in science, and math dropped by 3, but the raw scores held steady.

OECD PIAAC 2013:

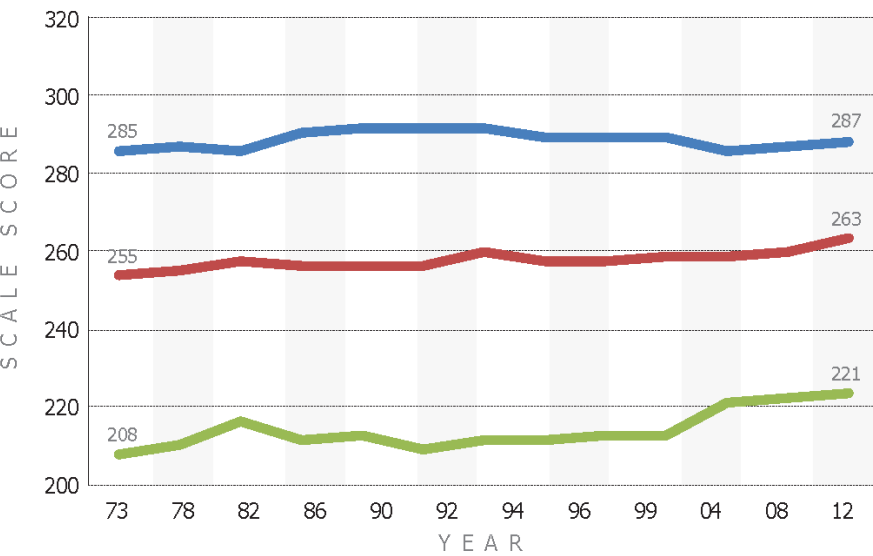
- US Millennial generation workers ranked last in survey of worker numeracy, literacy and problem solving in 33 countries



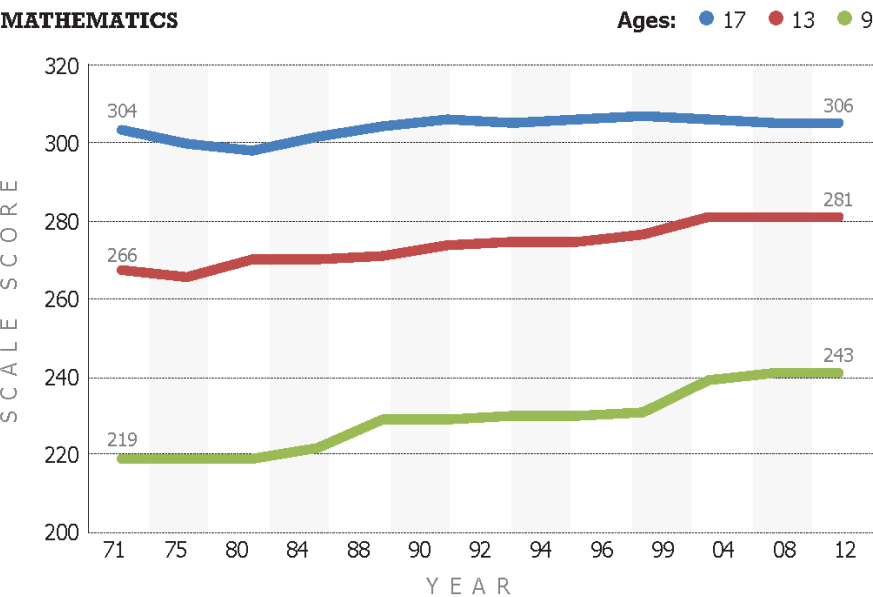
LONG-TERM NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS (NAEP) SCORES

Over the past four decades, high school students in the U.S. have made little progress according to the “Nation’s Report Card,” administered by the NAEP.

READING



MATHEMATICS



Our Own NAEP
Sounds Alarms:
Little to No
Progress

ELEMENTS OF WORLD-CLASS SYSTEMS

“Common elements are present in nearly every world-class education system, including

- a strong early education system,
- a reimagined and professionalized teacher workforce,
- Robust career and technical education programs, and
- a comprehensive, aligned system of education.”



Common Element #1:

Children come to school ready to learn, and extra support is given to struggling students so that all have the opportunity to achieve high standards.



Make ECE Part of the Education System

- Making education for 3-6 year olds universal and free or highly subsidized for all families
- Aligning early learning standards, preschool curriculum to primary school curriculum
- Sharing data about children across systems

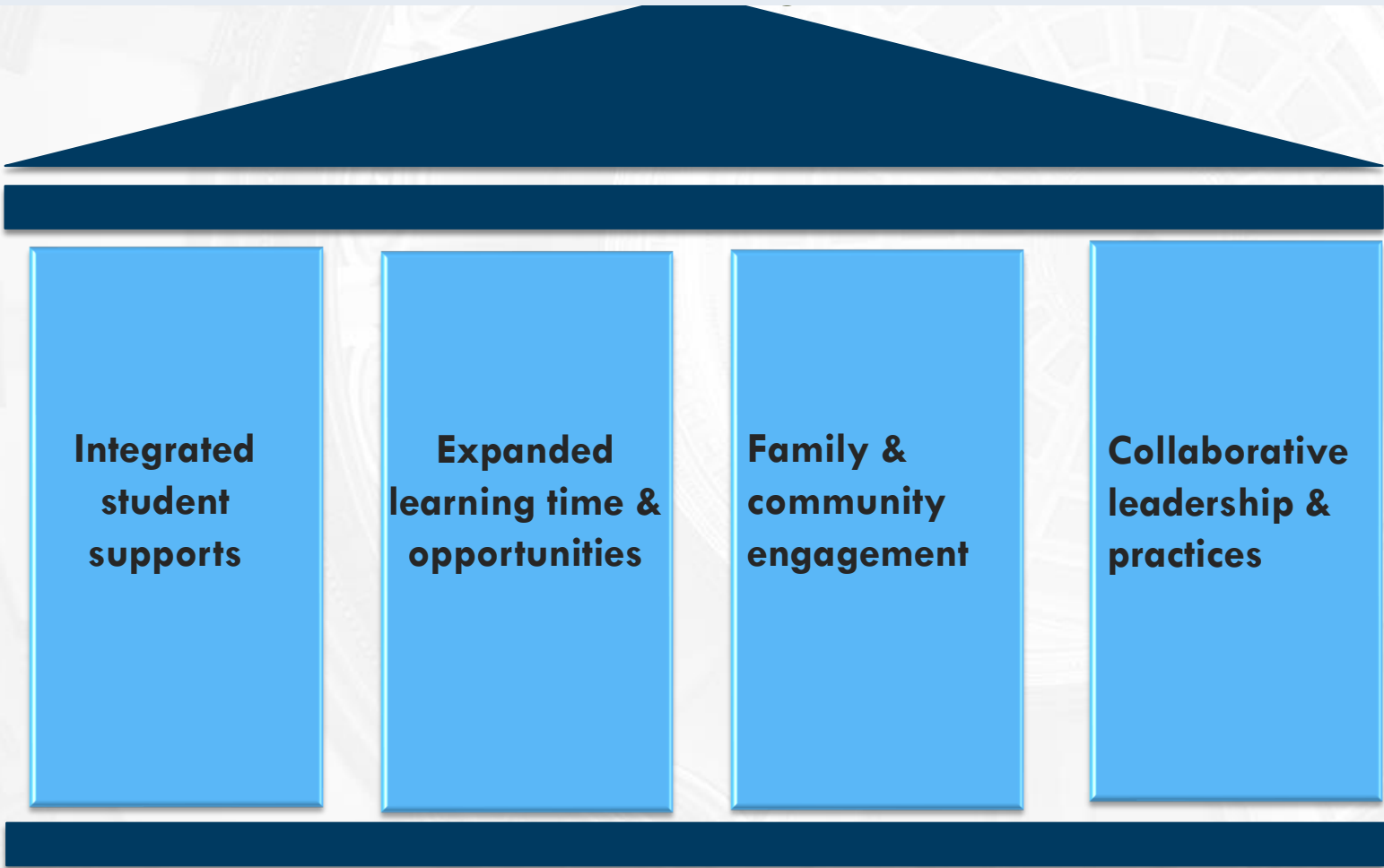


Learning Readiness in NM

- ❑ 60% of children experience at least one Adverse Childhood Event
- ❑ 31% low-income families who receive Child Care Assistance have high quality (4 or 5*) child care settings.
- ❑ 29% age 3-4 in any pre-K
- ❑ 8% age 3-4 in full-day Pre K



Few Community Schools that Provide Additional Supports



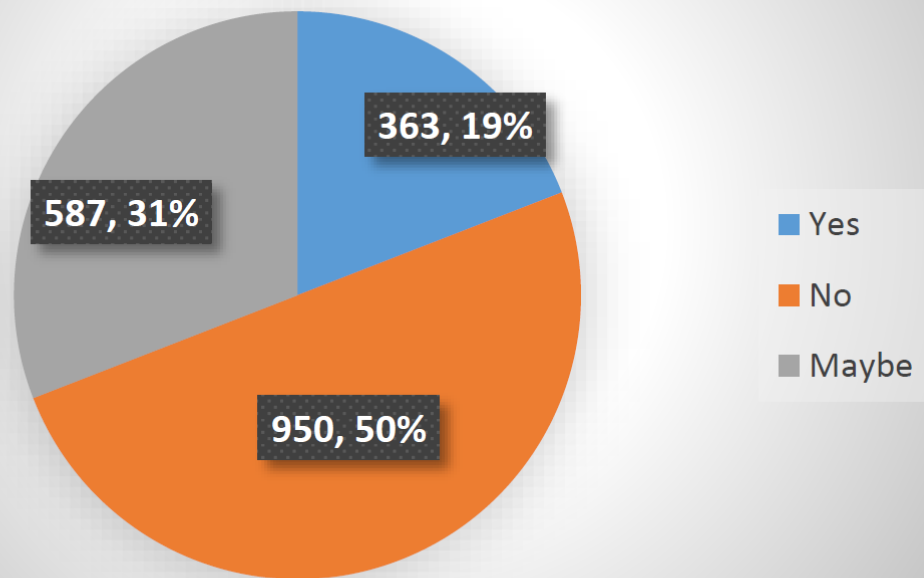
Common Element #2:

A world-class teaching profession supports a world-class instructional system, where every student has access to highly-effective teachers and is expected to succeed.



Teaching as a Career in NM

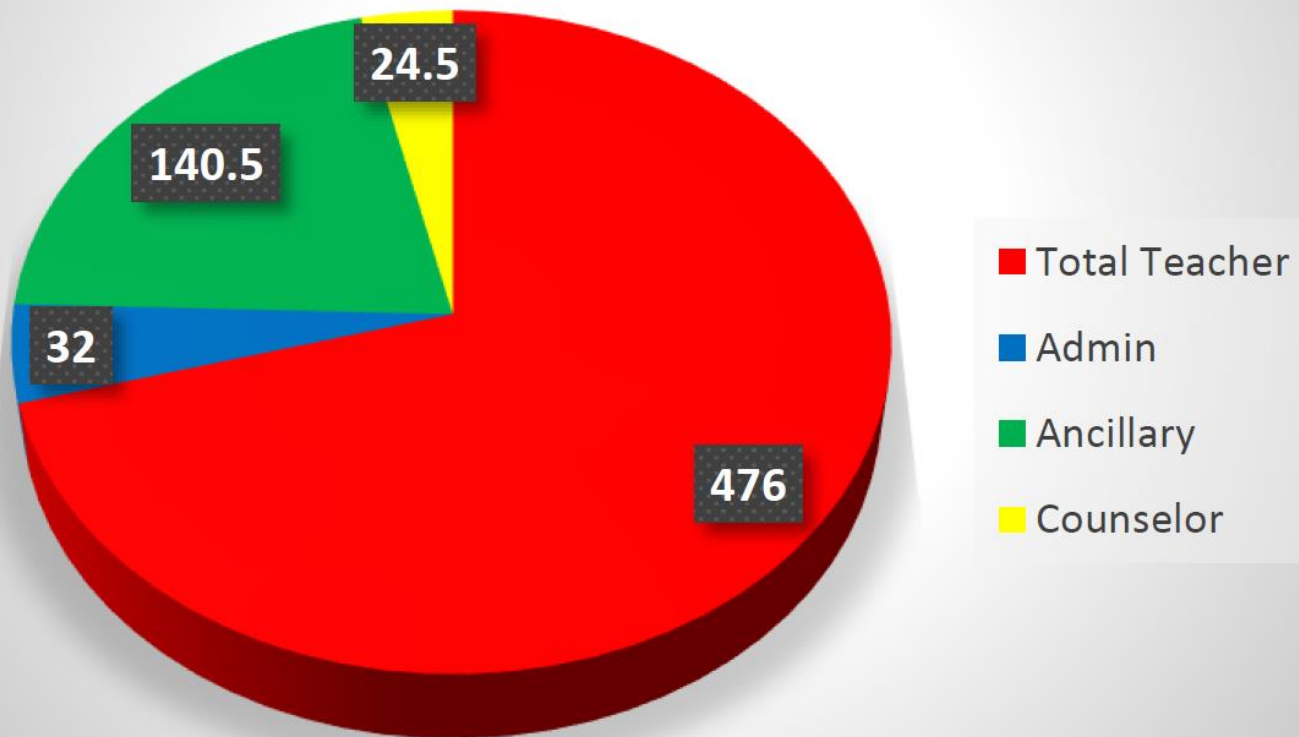
Would you encourage a career in education? (All respondents (N=1900))



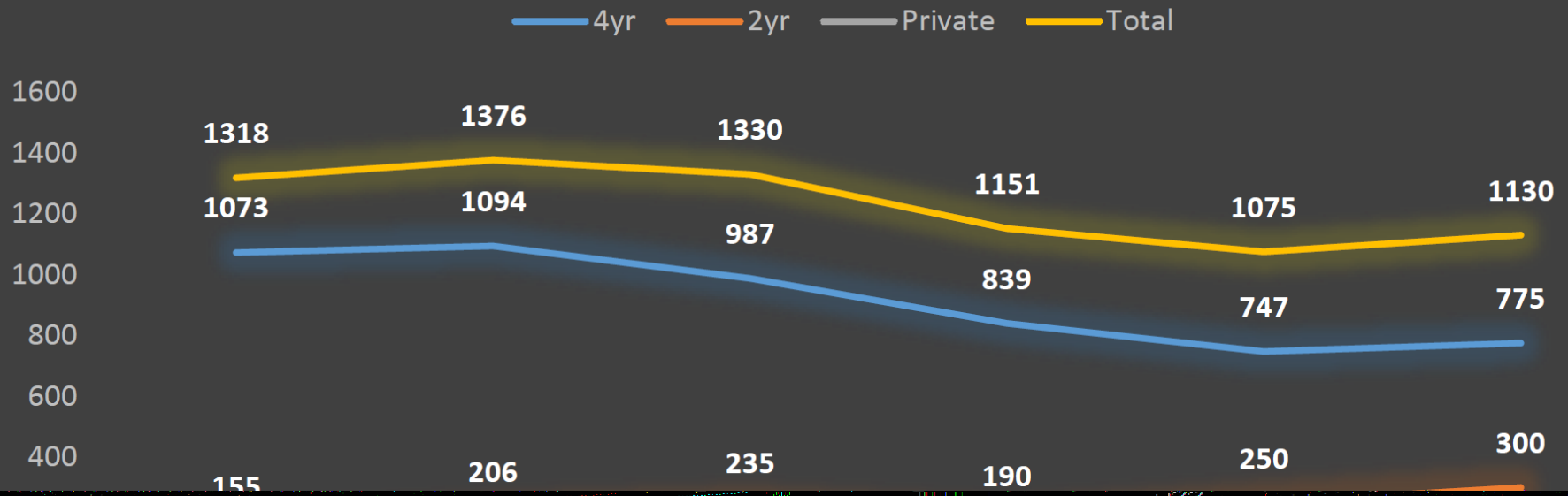
In addition to the turnover concerns, a survey that was administered to educators in New Mexico in the spring of 2017 as part of the NMSU College of Education Reorganization effort found that ***50% of the 1900 respondents answered “No” when asked if they would encourage a career in education, and only 19% answered “Yes.”***



2017 Vacancies by Subgroup (673)



TEP Completers for All Institutions 2009-2015



Classrooms staffed by Alternative or LTS Teachers

1355.5 Total

80 of 89 districts reporting



Lessons from well-developed systems

Standards provide a vision of what constitutes high-quality teaching and guide selection, preparation, induction, professional learning, and career development.

Preparation is universal, research-oriented, and clinically-based.

Professional learning is collegial, job-embedded, often led by senior teachers, connected to school reform efforts and coaching, and is ongoing

Time is available for teachers to work with and learn from colleagues, to conduct their own research, and to share practices

Feedback is available from teachers and leaders to help improve practice

Teacher leadership is cultivated and developed for school leadership.

Networks and professional learning communities are developed for sharing practices across schools

Common Element #3:

***A highly-effective,
intellectually rigorous system
of career and technical
education is available to those
preferring an applied
education.***



- > Have **permeable pathways** through postsecondary
- > Include modern occupations with **application to real-world problems**
- > Require **STEM competencies, and social skills** (e.g., complex problem-solving, teamwork, communication, presentation skills)
- > Respond to needs of **adolescent development**



Common Element #4:

Individual reforms are connected and aligned as parts of a clearly planned and carefully designed comprehensive system.



Action Steps for States

- ✓ **Build an Inclusive Team and Set Priorities.**
- ✓ **Study and Learn from Top Performers.**
- ✓ **Create a Shared Statewide Vision.**
- ✓ **Benchmark Policies.**
- ✓ **Get Started on One Piece.**
- ✓ **Work Through “Messiness.”**
- ✓ **Invest the Time.**



Begin Now, No Time to Lose!

"As state policymakers, it is our responsibility to provide our citizens with a world-class education. We cannot let another generation settle for anything less. Our future workforce, national defense, economic vitality and democratic foundation depend on our ability and willingness to get this done.

If we assemble the best minds in policy and practice, implement what we know works, and commit ourselves to the time, effort and resources needed to make monumental changes, we can once again be among the best education systems in the world. If they can do it, so can we. But there's no time to lose."



The Work Continues

www.ncsl.org



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The Time is Right

- **The Every Student Succeeds Act (ESSA)**
- **New Mexico's 2018 Election**

