

Task Force for Improving Education



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State Board of Education
January 11, 2013



STATE of IDAHO
BOARD of EDUCATION

Educational Improvement

- **Previous & Current Educational Improvement Efforts**
- **Still Room for Improvement**
- **Effective Teachers and Schools Make a Difference**
- **Goal to Increase Postsecondary Attendance Rate**

Educational Improvements

Past and Current Initiatives

- **Creation of Idaho Standards**
- **Idaho Standards Assessments**
- **Idaho High School Redesign**
 - increased math and science requirements
 - college entrance exams for all HS students
 - senior projects
 - learning plans
- **Charter Schools Enablement**
- **Charter School Commission**
- **Accelerated Learning Task Force**
 - increased dual credit, concurrent credit and advanced opportunities

Educational Improvements

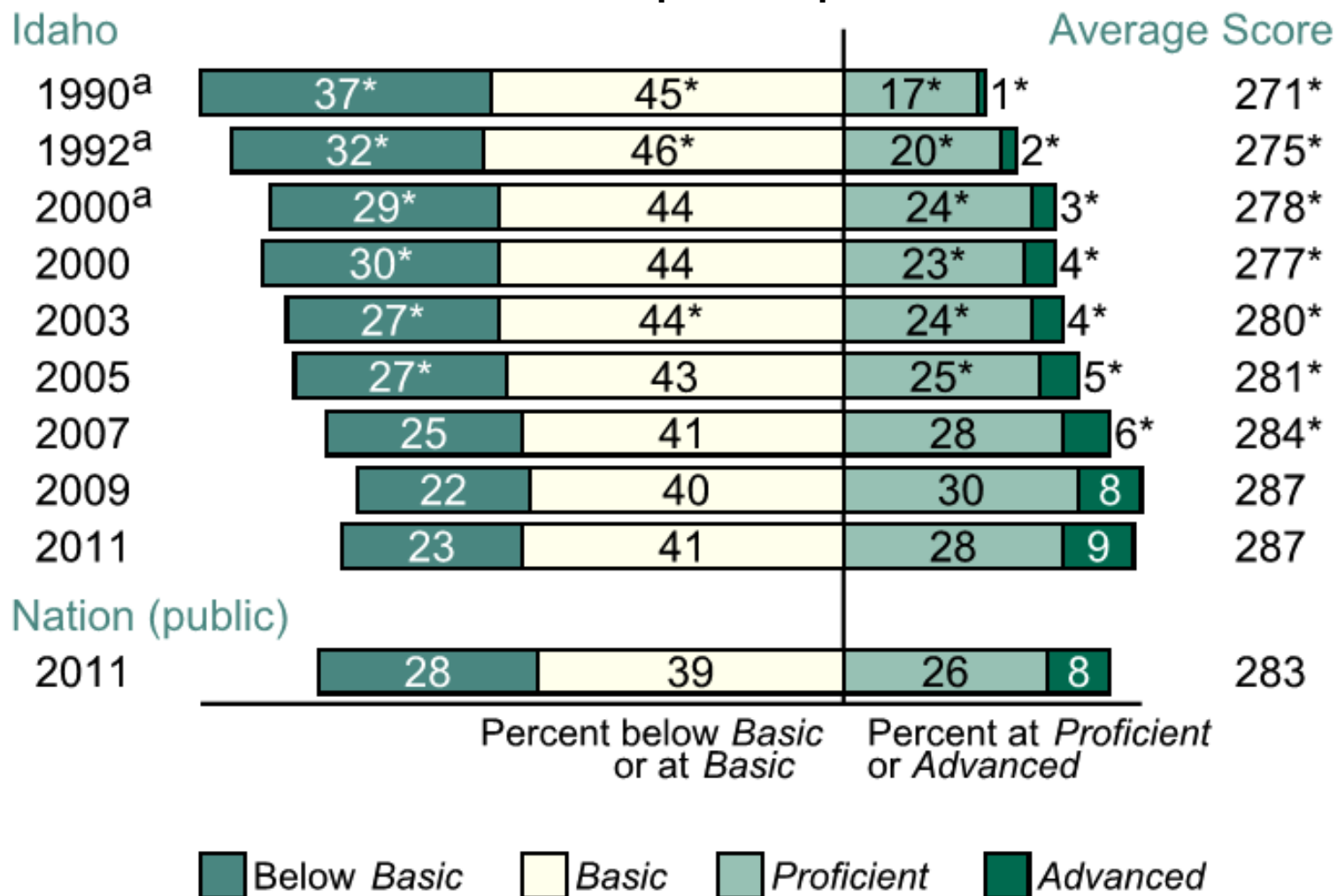
Past and Current Initiatives (cont.)

- **Idaho Digital Learning Academy**
- **Middle School Initiative**
- **Teacher Performance Evaluation Initiative**
- **Reading Initiative**
- **Math Initiative**
- **Implementation of Federal AYP**
- **5-Star Rating/Accountability Measures**
- **Idaho Education Network**
- **Common Core State Standards**

Initiatives Made a Difference

Idaho Grade 8 Math Proficiency (2011)

State Snapshot Report

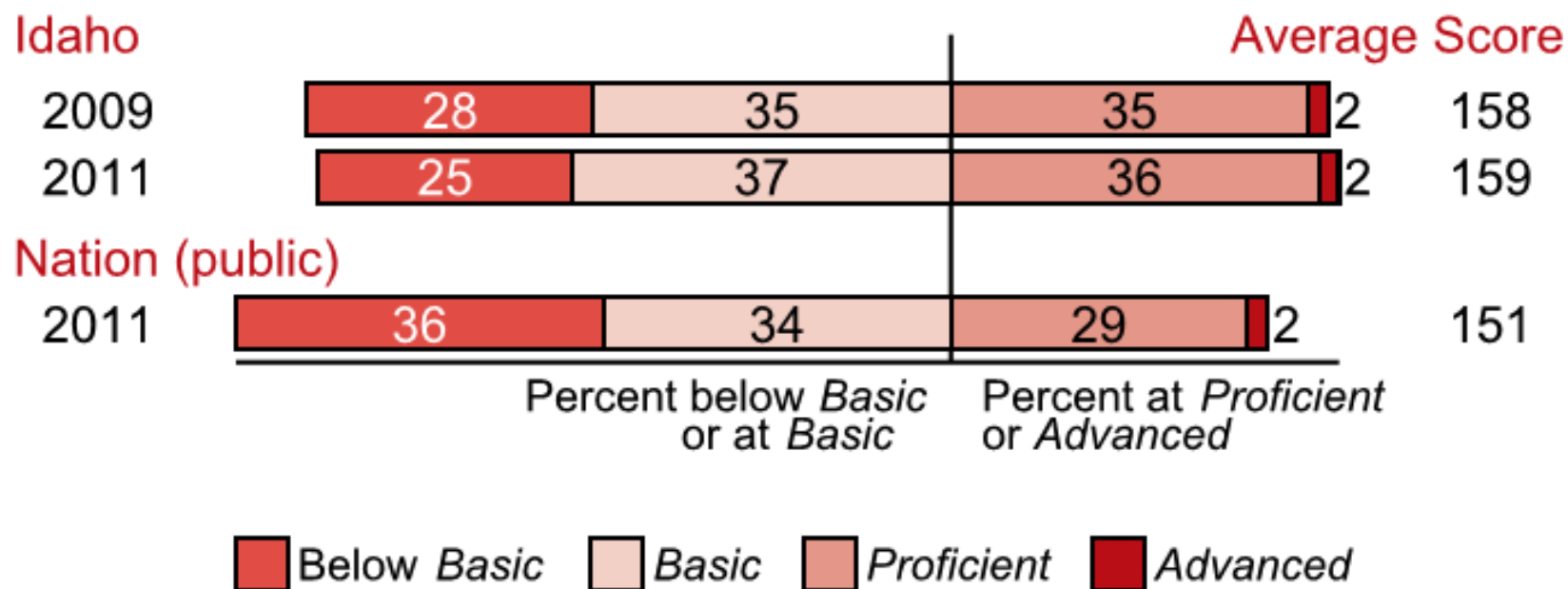


SOURCE: National Assessment of Educational Progress (NAEP), 2011

Initiatives Made a Difference

Idaho Grade 8 Science Proficiency (2011)

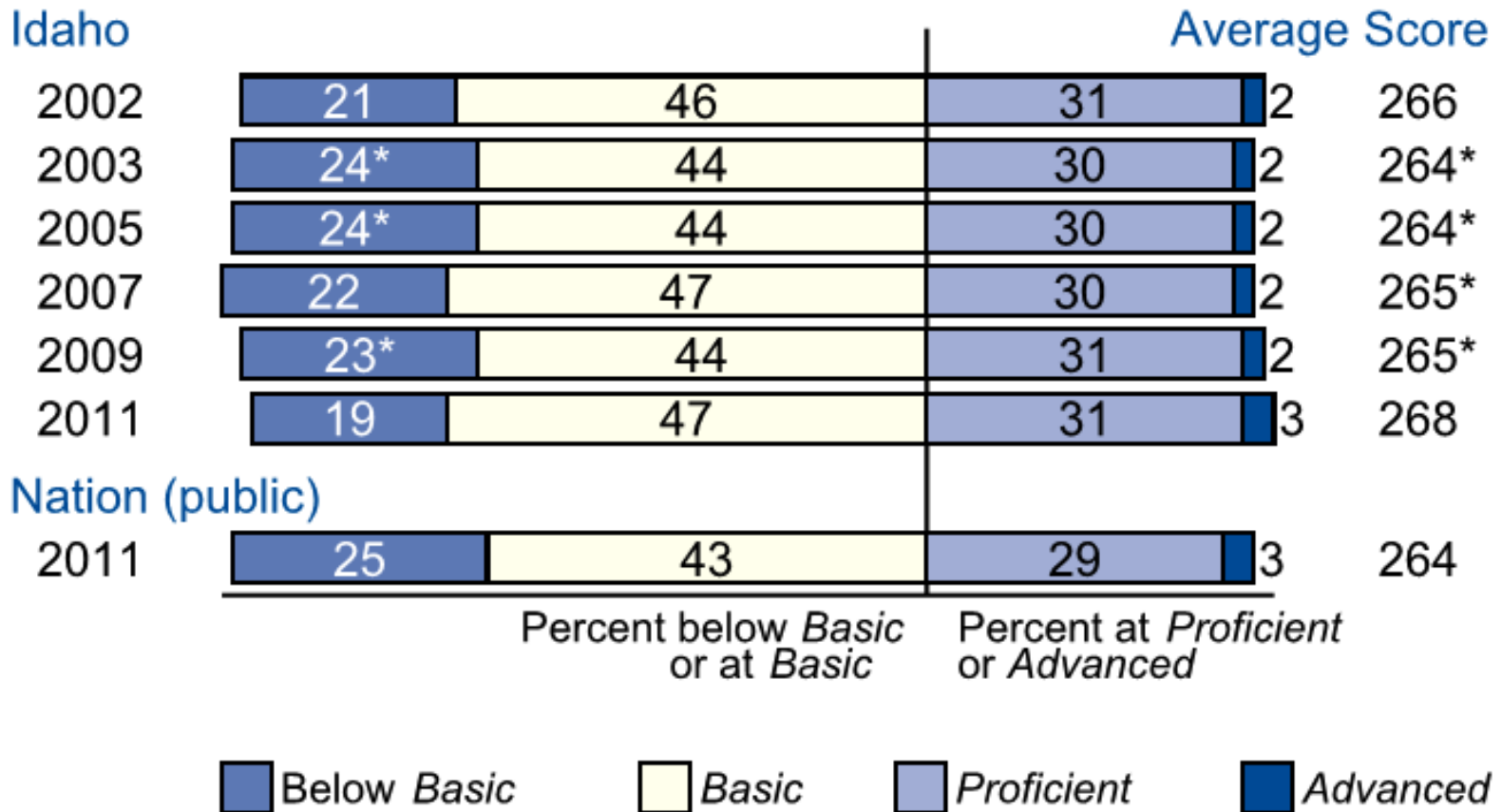
State Snapshot Report



SOURCE: National Assessment of Educational Progress (NAEP), 2011

Idaho Grade 8 Reading Proficiency (2011)

State Snapshot Report



SOURCE: National Assessment of Educational Progress (NAEP), 2011

But Status Quo is Not Enough...



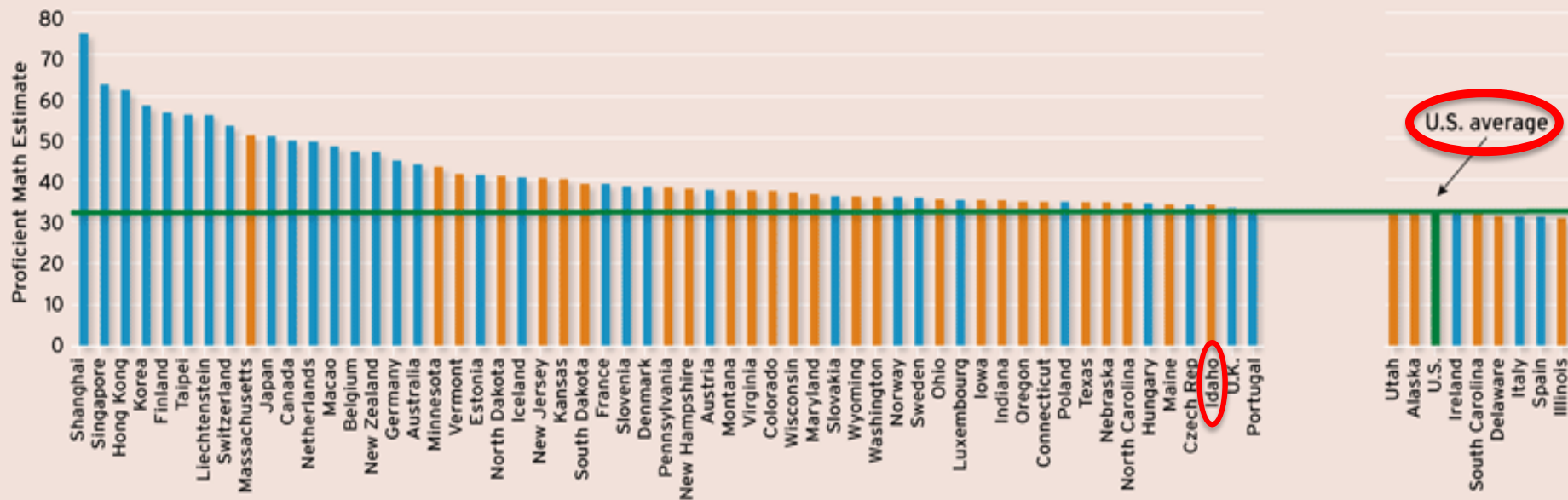
Still Room for Improvement

Math Proficiency in ID, US, and Internationally (Idaho Ranks 26th in the U.S.)

Class of 2011, Math Performance in Global Perspective (Figure 1)

The U.S. ranks 32nd in the percentage of students proficient in mathematics among countries participating in PISA.

Percentage of students at proficient level of math achievement in U.S. states and foreign countries participating in PISA 2009



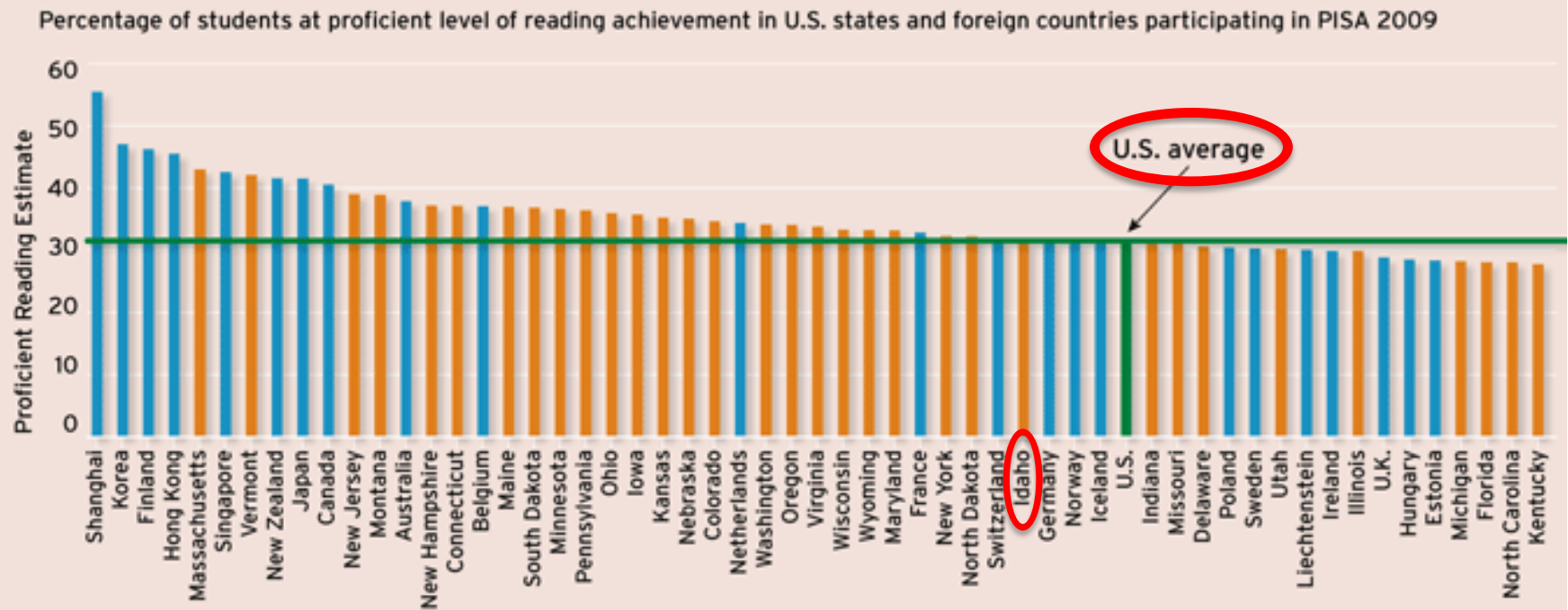
SOURCE: Authors' calculations, based on NAEP and OECD data

Source: Organization for Economic Cooperation and Development (OECD), which administers the Program for International Student Assessment (PISA) and the National Assessment of Educational Progress (NAEP), administered by the U.S. Department of Education, 2009 and 2011.

Reading Proficiency in ID, US, and Internationally (Idaho Ranks 24th in the U.S.)

Class of 2011, Reading Performance in Global Perspective (Figure 2)

But U.S. students rank 17th in the percentage of students proficient in reading.

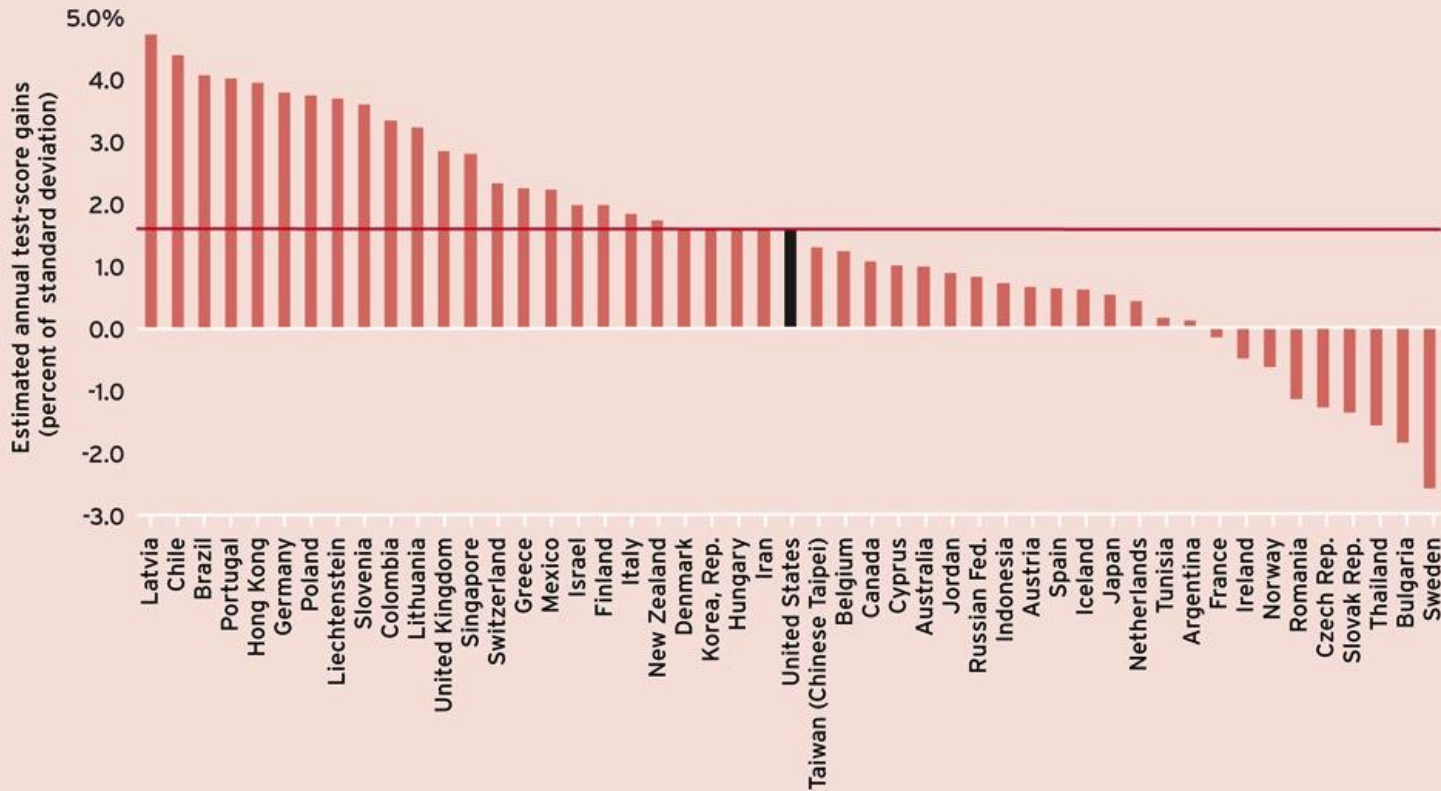


SOURCE: Authors' calculations, based on NAEP and OECD data

Source: Organization for Economic Cooperation and Development (OECD), which administers the Program for International Student Assessment (PISA) and the National Assessment of Educational Progress (NAEP), administered by the U.S. Department of Education, 2009 and 2011.

Improvement Barely Keeping Pace

U.S. rate of improvement is in the middle of the pack



NOTE: The bars represent the overall annual rate of growth in student achievement in math, reading, and science in 49 countries, from 1995 to 2009.

SOURCE: Authors' calculations based on National Assessment of Educational Progress. See methodology sidebar for detailed explanation.

Source: Achievement Growth: International & U.S. State Trends in Student Performance (Hanushek, Peterson, Woessmann, 2012)

http://www.hks.harvard.edu/pepg/PDF/Papers/PEPG12-03_CatchingUp.pdf

Improvement Barely Keeping Pace

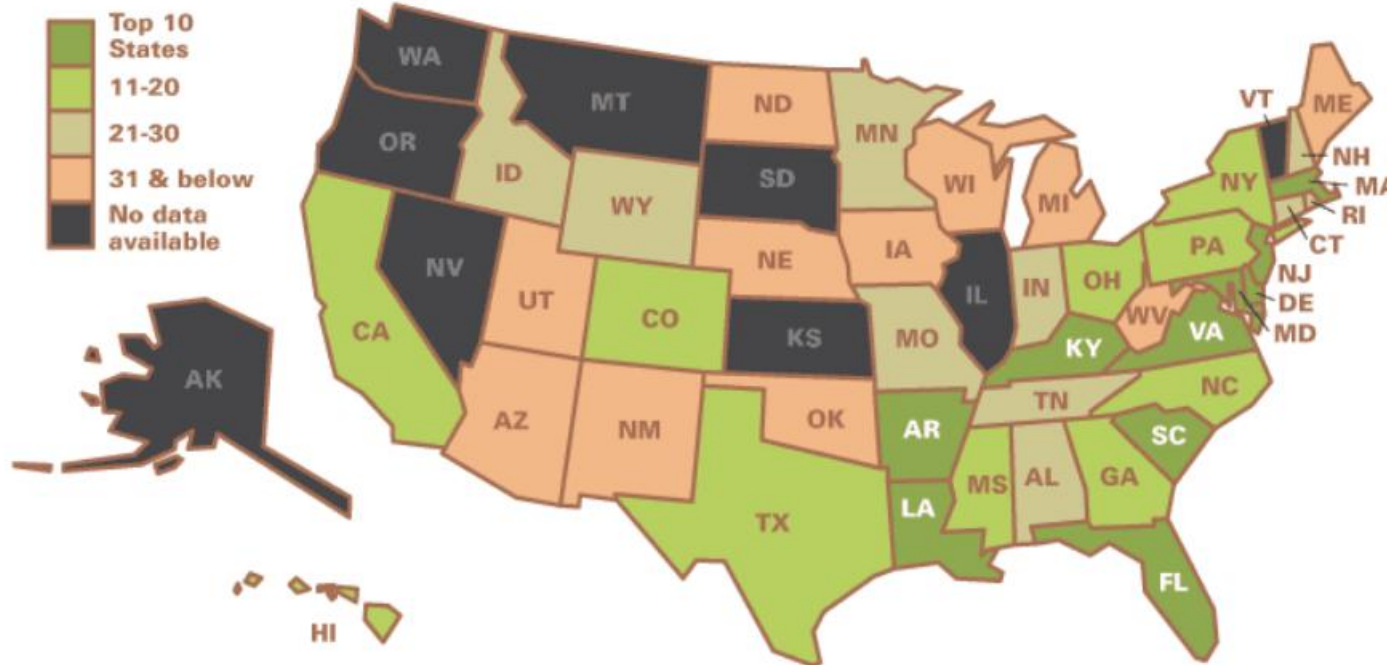
Idaho rate of improvement is in the middle of the U.S. pack



See: "Is the U.S. Catching Up?" by Eric A. Hanushek, Paul E. Peterson, and Ludger Woessmann for methodological details. 25% of a standard deviation equals approximately one year's worth of learning

Idaho Rate of Improvement

Annual Rate of Growth in Student Achievement in Math, Reading and Science in 41 U. S. states, 1992-2011



No. **25**
Idaho

**ESTIMATED ANNUAL
TEST SCORE GAINS:**

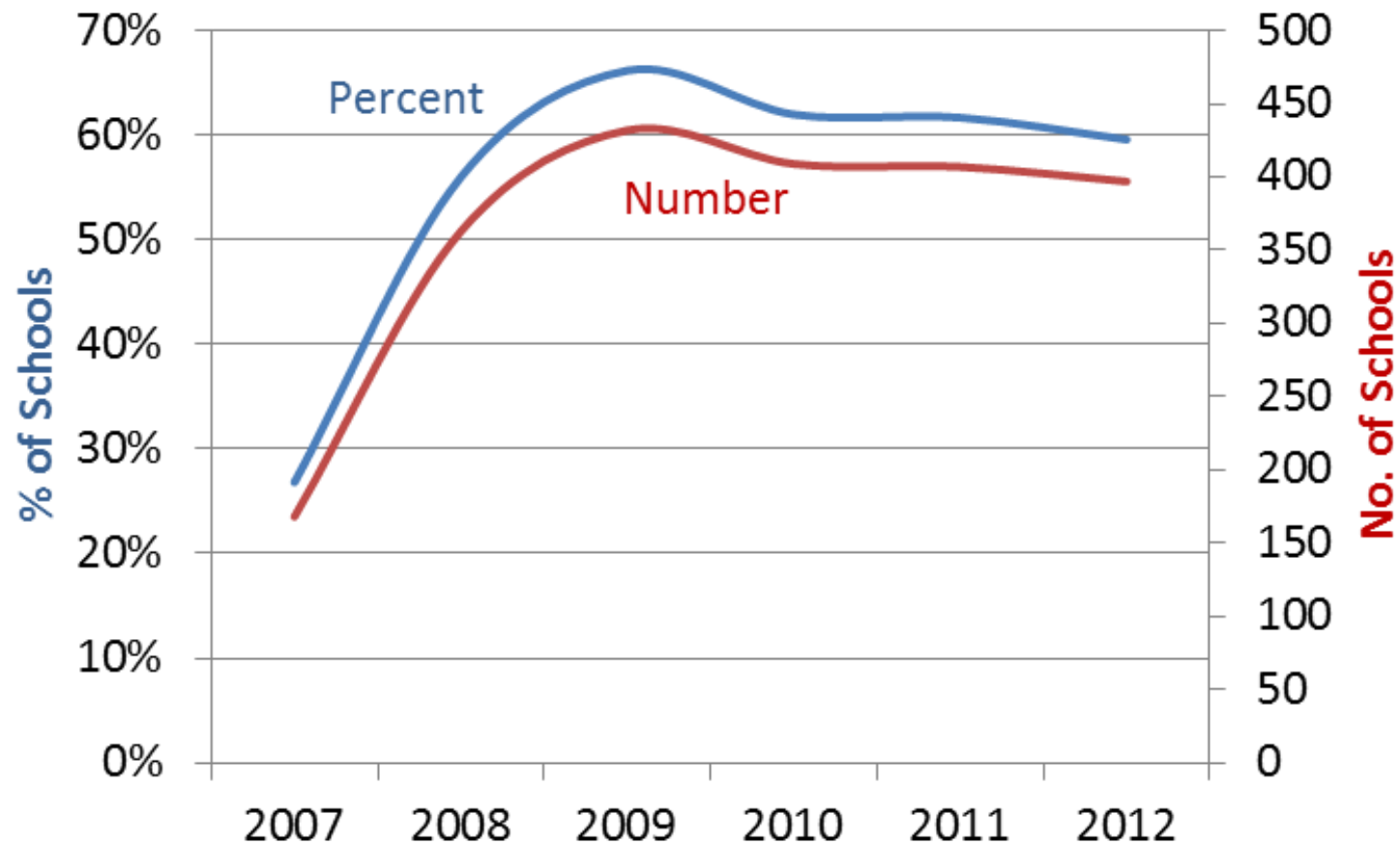
1.80%

of a standard deviation

See "[Is the U.S. Catching Up?](#)" by Eric A. Hanushek, Paul E. Peterson, and Ludger Woessmann for methodological details. 25% of a standard deviation equals approximately one year's worth of learning

Map created by Max Harless.

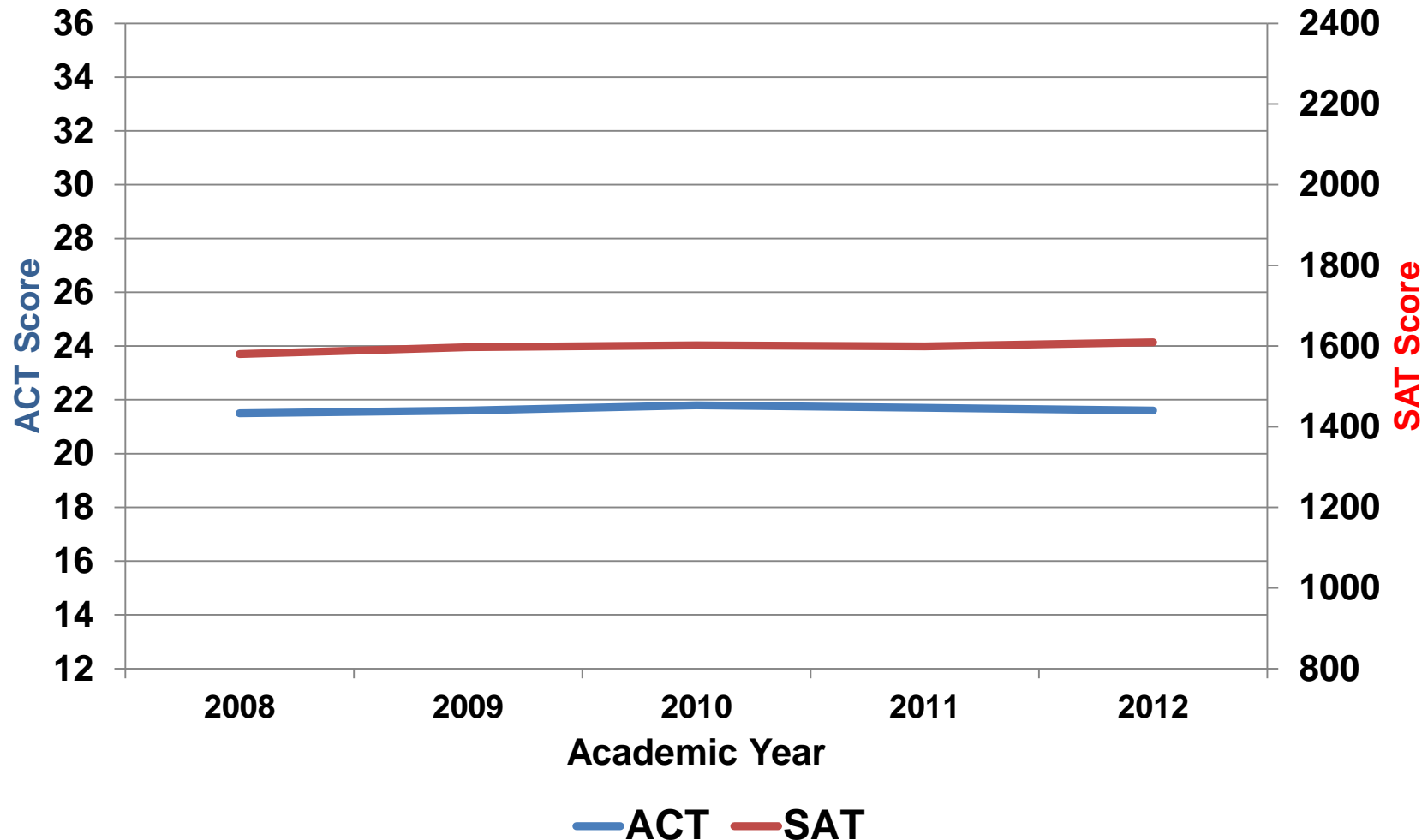
Percent and Number of Idaho Schools Making Adequate Yearly Progress



Idaho State Department of Education, 2012

Average ACT & SAT Composite Scores

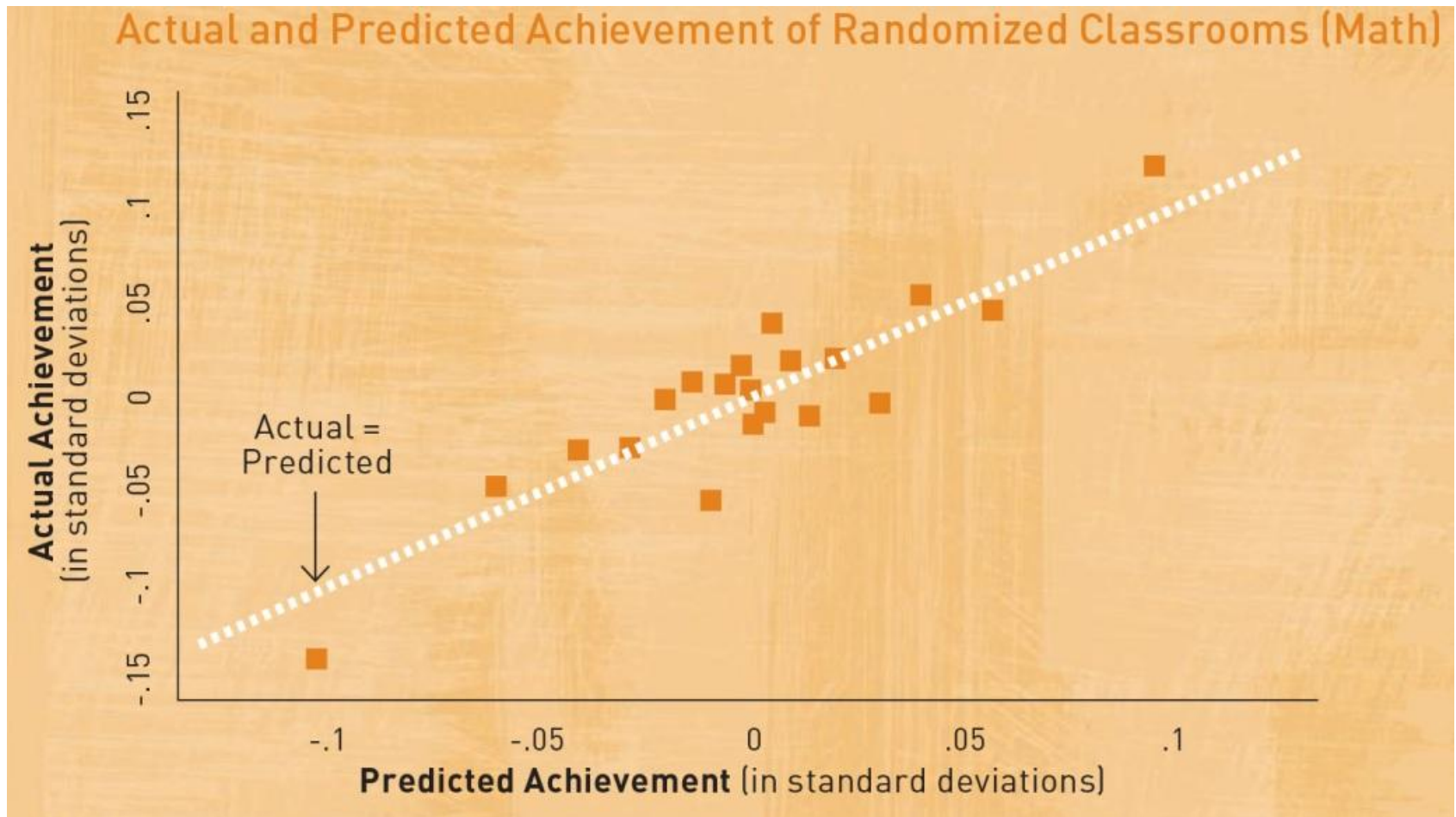
Only 1 in 4 Idaho juniors in 2012 met the college- and career-readiness benchmarks set by the College Board.



Effective Teachers and Schools Make a Difference

Effective Teachers have a Positive Impact on Student Achievement

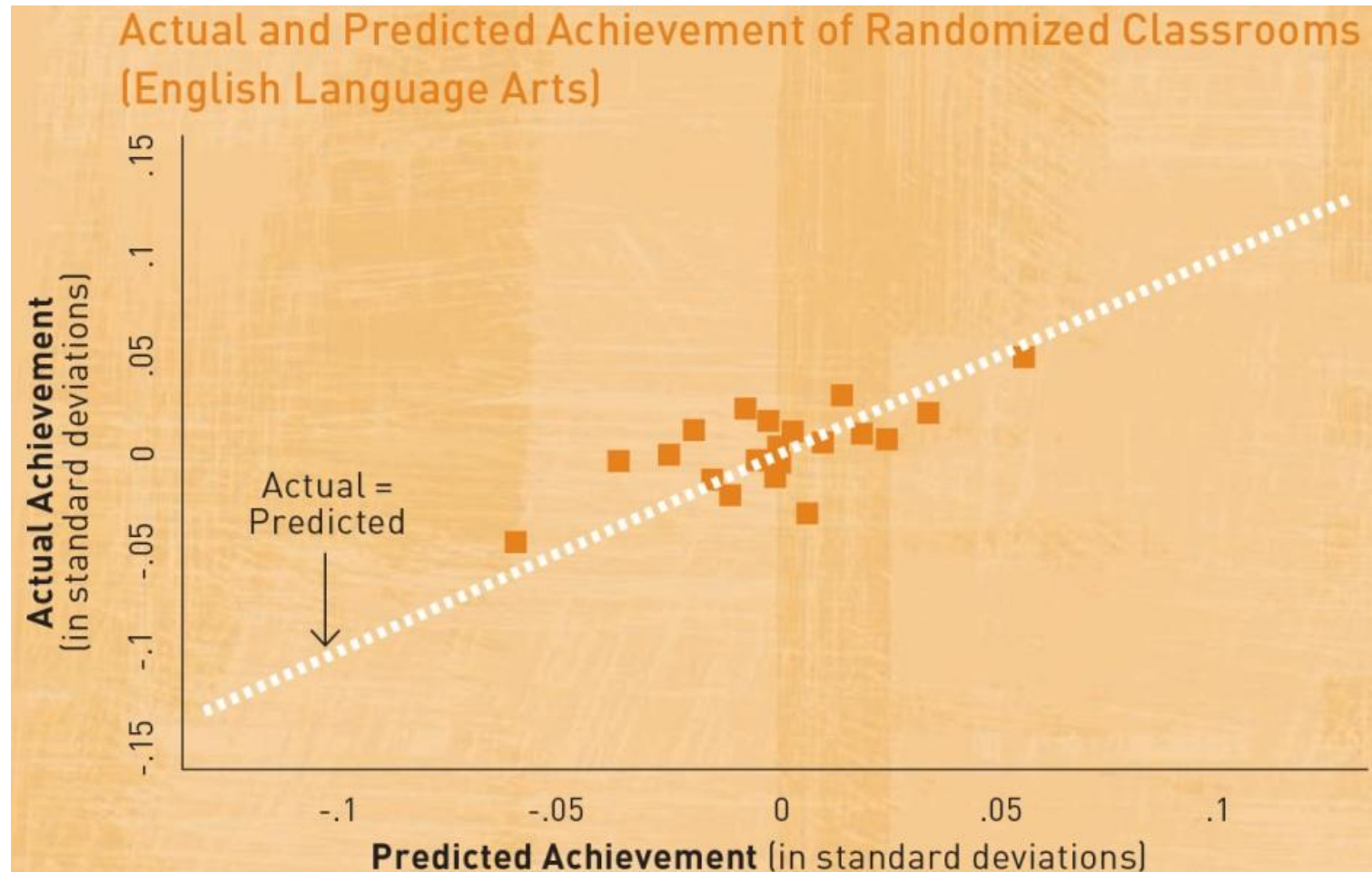
Actual vs Predicted Achievement of Randomized Classrooms
(Math)



Measures of Effective Teaching (MET) project, Bill & Melinda Gates Foundation, Jan. 2013

Effective Teachers have a Positive Impact on Student Achievement

Actual vs Predicted Achievement of Randomized Classrooms
(English/Language Arts)



Measures of Effective Teaching (MET) project, Bill & Melinda Gates Foundation, Jan. 2013

Effective Schools Also Have a Positive Impact

School and Teacher Scenario	Achievement Percentile After Two Years
Average School and Average Teacher	50th
Least Effective School and Least Effective Teacher	3rd
Most Effective School and Least Effective Teacher	37th
Least Effective School and Most Effective Teacher	63rd
Most Effective School and Most Effective Teacher	96th
Most Effective School and Average Teacher	78th
<p>See Technical Note 6, pp. 191-192, to determine how average, least effective, and most effective schools and teachers were defined.</p> <p>Adopted from Marzano, R.J. (2000a). A New Era of School Reform: Going Where the Research Takes Us. Aurora, CO. Mid-continent Research for Education and Learning (ERIC Document Reproduction Service No. ED 454255)</p>	

Idaho State Board of Education

Goal of

60%

of Idaho's citizens
aged **25-34**

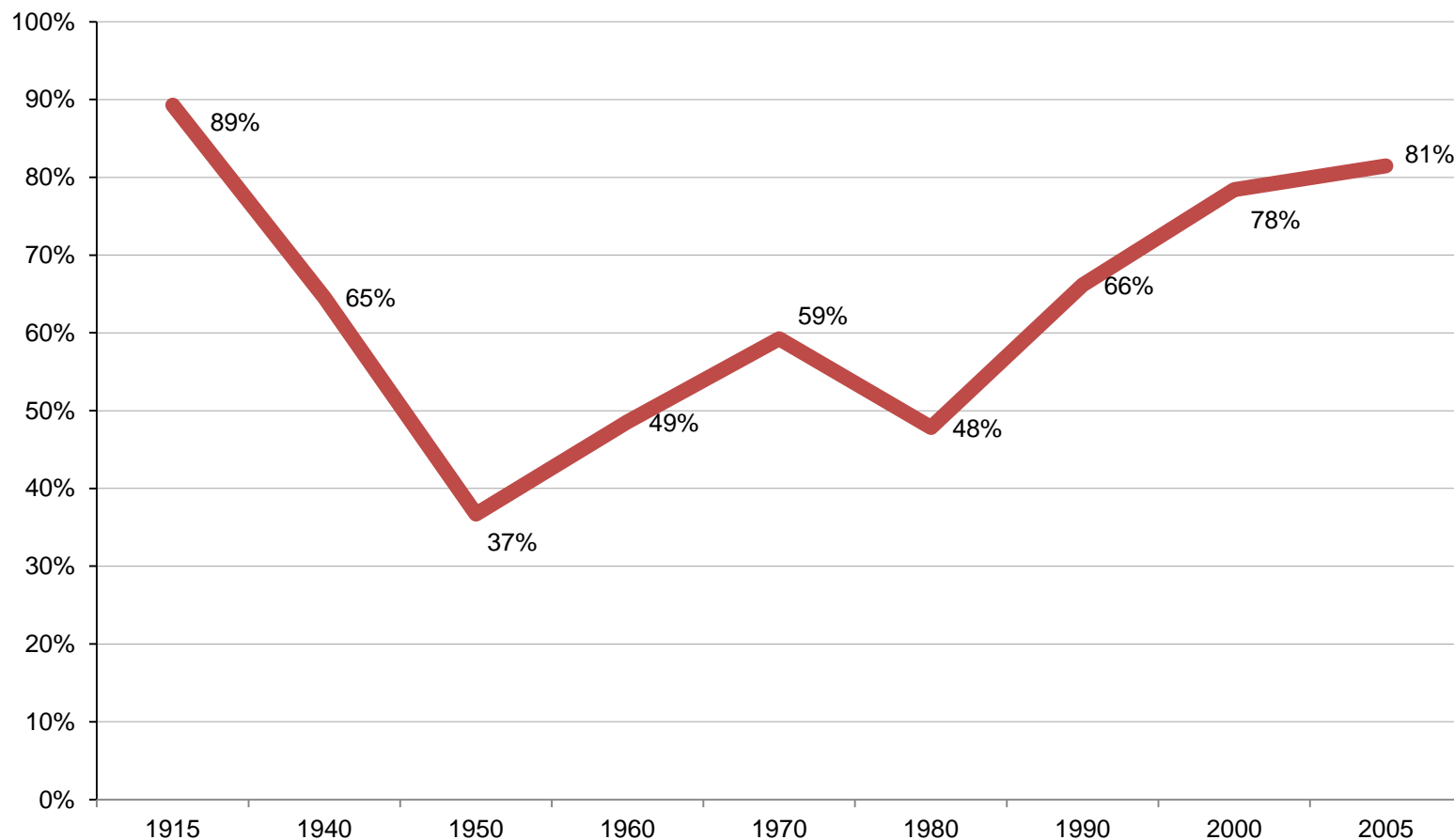
will have at least a 1-year
Postsecondary credential

by 2020



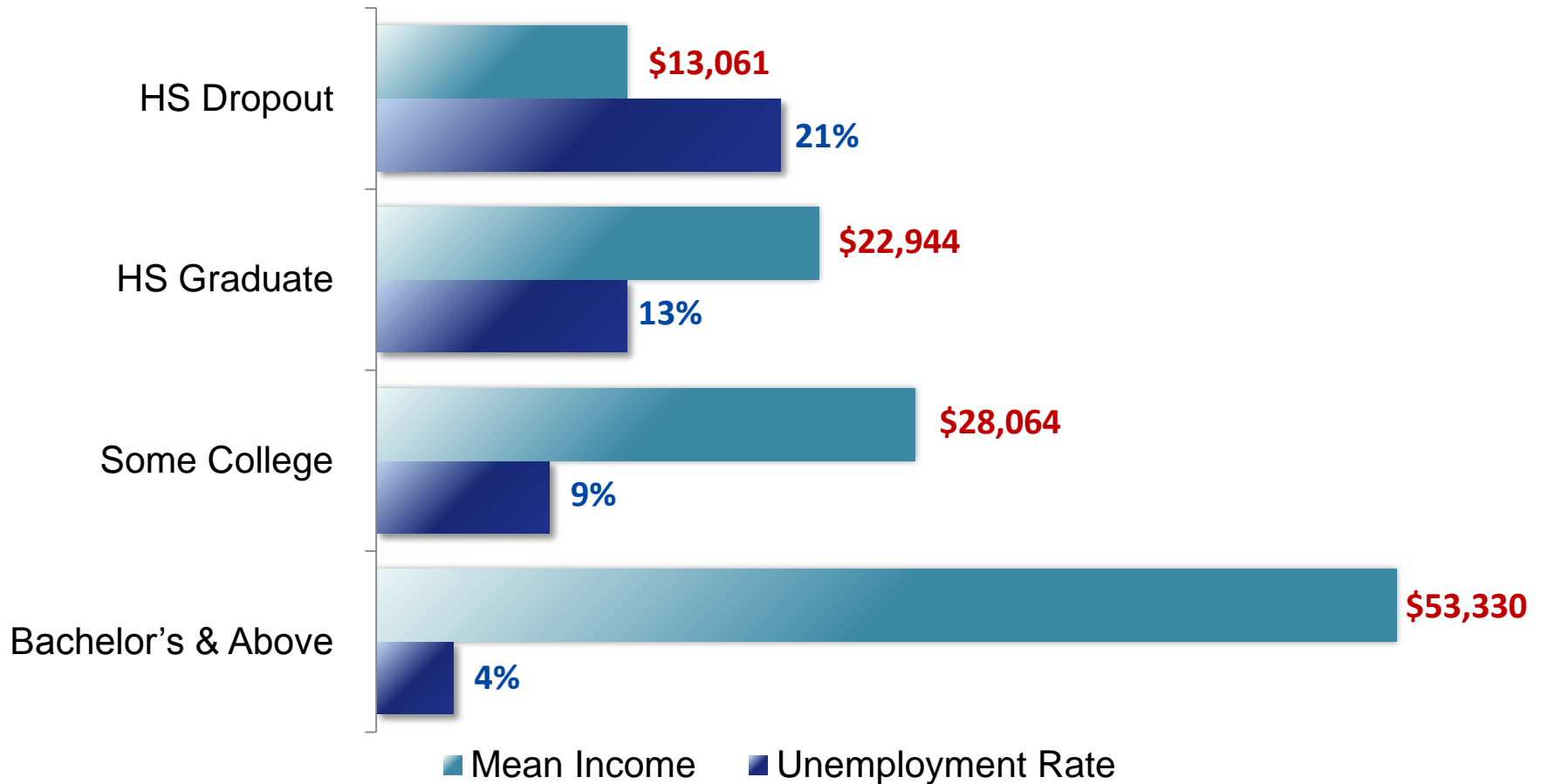
The Wage Premium For Getting A College Degree Has Grown In the Last Thirty Years Because of Rising Demand For College-Level Skills

College Wage Premium Over High School, 1915-2005



Source: Goldin, Claudia, and Lawrence F. Katz (2008). The Race Between Education and Technology. Cambridge, MA: Belknap Press of Harvard University Press.

Rates of Unemployment Decline with More Education



Source: U.S. Census Bureau (2011). Current Population Survey. Figures are based on the total persons in the civilian labor force.
<http://www.census.gov/cps/data/cpstablecreator.html>

America's International Edge is Slipping Comparatively in Postsecondary Degree Attainment

% of Citizens with Postsecondary Degrees Among OECD Countries, by Age Group (2006)					
	55-64	45-54	35-44	25-34	ALL (25-64)
1	U.S. (40%)	Canada (44%)	Canada (54%)	Korea (58%)	Canada (49%)
2	Canada (40%)	Japan (43%)	Japan (48%)	Canada (56%)	Japan (43%)
3	N.Z. (34%)	U.S. (40%)	Finland (44%)	Japan (55%)	U.S. (41%)
4	Finland (29%)	N.Z. (38%)	U.S. (43%)	N.Z. (48%)	N.Z. (40%)
5	Australia (28%)	Finland (37%)	Korea (43%)	Norway (46%)	Finland (37%)
6	Norway (28%)	Australia (33%)	N.Z. (40%)	Ireland (45%)	Korea (37%)
7	Switz. (27%)	Denmark (32%)	Norway (38%)	Denmark (43%)	Norway (36%)
8	U.K. (27%)	Norway (32%)	Australia (38%)	Belgium (42%)	Australia (36%)
9	Sweden (26%)	Switz. (31%)	Denmark (37%)	Australia (42%)	Denmark (34%)
10	Neth. (26%)	Neth. (31%)	Ireland (37%)	U.S. (42%)	Ireland (34%)
11	Denmark (26%)	Iceland (30%)	Switz. (36%)	Sweden (41%)	Switz. (34%)
12	Japan (26%)	U.K. (30%)	Iceland (36%)	France (41%)	U.K. (33%)
13	Germany (24%)	Belgium (29%)	Belgium (35%)	Neth. (40%)	Belgium (32%)
14	Iceland (24%)	Sweden (28%)	U.K. (33%)	Spain (39%)	Neth. (32%)
15	Belgium (22%)	Ireland (27%)	Sweden (33%)	Luxembourg (39%)	Sweden (32%)
	45-64: Idaho (35%)	ID (38%)	ID (31%)	ID (35%)	

Sources: Organization for Economic Cooperation and Development (OECD), which administers the Program for International Student Assessment (PISA) and the National Assessment of Educational Progress (NAEP), administered by the U.S. Department of Education

Idaho Degrees Compared to WICHE States

25 to 34 Year Olds With...	ND	CO	SD	WA	MT	UT	HI	ID
Associate Only	15%	8%	13%	10%	11%	10%	10%	9%
Bachelor Only	27%	27%	24%	22%	25%	23%	22%	18%
Associate or higher	50%	44%	42%	41%	39%	39%	39%	34%

2010 U.S. Census Bureau reported estimates on state population education levels. Those (except for Idaho) are the top 7 WICHE states in terms of education attainment

It's Increasingly Important that Idaho's Students are College Ready

Comparison of HS Graduation Requirement and Go On Rate

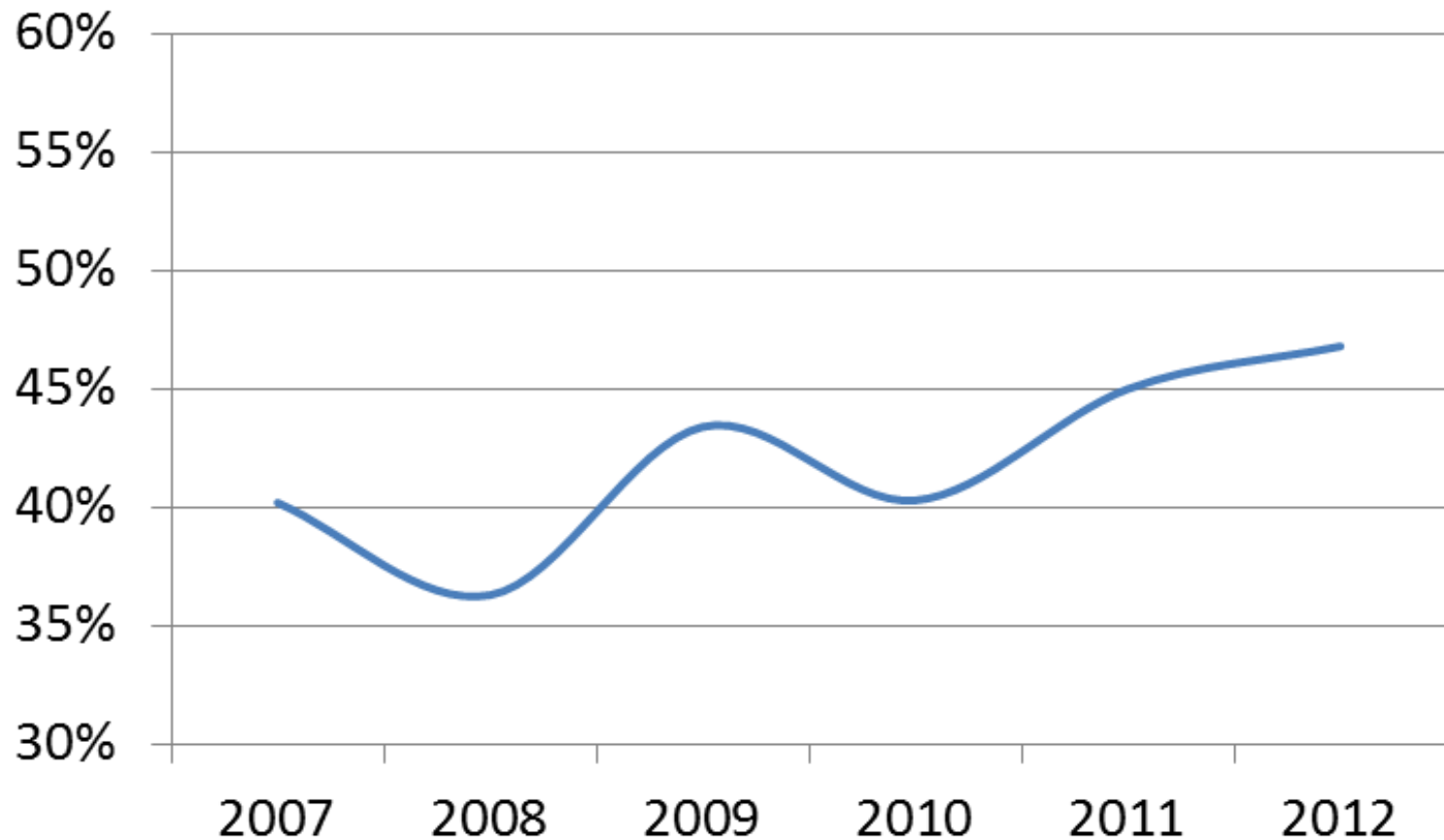
State	Total Req. Credits	English	Science	Math	Other	% HS grads going on
Mississippi	21	4	4	4	7	77.4%
Georgia	22	4	4	4	8	69.6%
Alabama	24	4	4	4	8	66.7%
Arkansas	22	4	3	4	8	62.5%
Hawaii	24	4	3	3	10	62.3%
Kentucky	22	4	3	3	9	60.9%
Wyoming	13	4	3	3	0	59.4%
Florida	24	4	3	4	10	58.8%
Utah	24	4	3	3	11	58.5%
Washington	19	4	2	3	9.5	50.7%
Idaho	21	4.5	3	3	10	49.1%

Source: National Center for Education Statistics, 2011 and 2012, http://nces.ed.gov/programs/digest/d12/tables/dt12_177.asp.

State College and Career-Ready High School Graduation Requirements

	ALABAMA	ARIZONA	ARKANSAS	DELAWARE	IDAHO
ENGLISH	4	4	4.5	4	4.5
	English 9-12	Including 0.5 incorporating the principles of speech and debate	English 9-12 0.5 Oral Communication		Oral Communications
MATHEMATICS	4	4	4	4	3
	Algebra I Geometry Algebra II with Trigonometry 1 beyond Algebra II	Algebra I Geometry Algebra II or its equivalent 4 th course covering significant math content	Algebra I Geometry Algebra II or their equivalents 1 beyond Algebra II	Algebra I Geometry Algebra II	Algebra I Geometry
SCIENCE	4	3	3	3	3
	1 Biology 1 Physical Science 2 approved science electives	Aligned with Arizona Instrument to Measure Standards	3 lab-based sciences from Biology, Chemistry, Physics, Applied Biology / Chemistry, Principles of Technology	3 lab sciences from Biology, Chemistry, Physics, Earth Science or another integrated science	2 lab sciences
SOCIAL STUDIES	4	3	3	3	3
	1 World History to 1500 1 U.S. History to 1877 1 U.S. History from 1877-present 1 American Govt. / Economics	1 American History, including AZ History 1 World History / Geography 0.5 American Govt. incl. AZ Govt. 0.5 Economics	1 American History 1 World History 1 Civics / U.S. Govt.	Including History, Geography, Civics and Economics	Government History Economics
ELECTIVES / OTHER	6.5	8	6.5	8.5	10
	2 Foreign Language 0.5 Arts Education 0.5 Computer Applications 3.5 from Foreign Languages, Arts, PE, Wellness Ed, CTE, and Driver Ed 1.5 PE / Health	1 Fine Arts <u>OR</u> Career / Tech 7 Electives	0.5 Fine Arts 6 "Career Focus" 1 PE / Health & Safety	2 Foreign Language 3 "Career-Academic Pathway" courses 3.5 Electives 1.5 PE / Health	1 Humanities 1 Health & Wellness 8.5 Electives
TOTAL REQUIRED	24	22	22	24	23.5

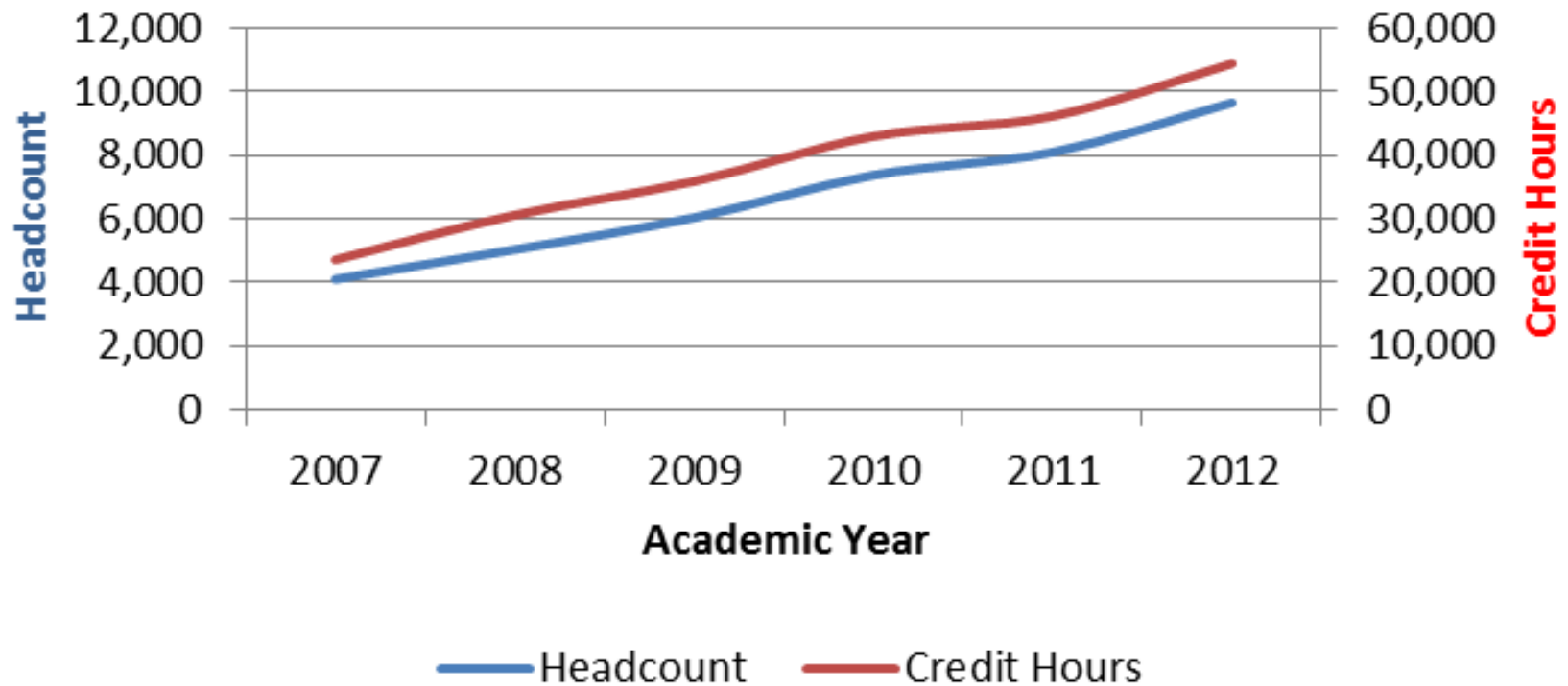
% of Idaho High School Students in need of Remediation at Idaho Postsecondary Institutions (1st-Time, 1st-Year, Graduated H.S. w/in 12 months)



Idaho State Board of Education, 2012

Increase in Dual Credit

Statewide Dual Credit Annual Credit Hours Taken & Enrollment



Source: Office of the State Board of Education

Continuous Educational Improvement





STATE of IDAHO

BOARD of EDUCATION
