

Advancing a Trajectory of Success for American Democracy

Michael M. Crow
Founders' Day
February 3, 2016



The 18th Century Ideal

Wisdom and knowledge, as well as virtue, diffused generally among the body of the people, being necessary for the preservation of their rights and liberties; and as these depend on spreading the opportunities and advantages of education In the various parts of the country, and among the different orders of the people, **it shall be the duty of legislatures and magistrates, in all future periods of this commonwealth, to cherish the interests of literature and the sciences, and all seminaries of them. . .** especially the university at Cambridge.”

John Adams

Section 2, Constitution of the
Commonwealth of Massachusetts
ratified in June 1780

The National University

We knew the “Greek Academy” was limited

“Nor am I less persuaded that you will agree with me in the opinion that there is nothing which can better deserve your patronage than the promotion of science and literature. **Knowledge is in every country the surest basis of public happiness.** Whether this desirable object will be best promoted by affording aids to seminaries of learning already established, by the institution of a national university, or by any other expedients, will be well worthy of a place in the deliberations of the legislature.”

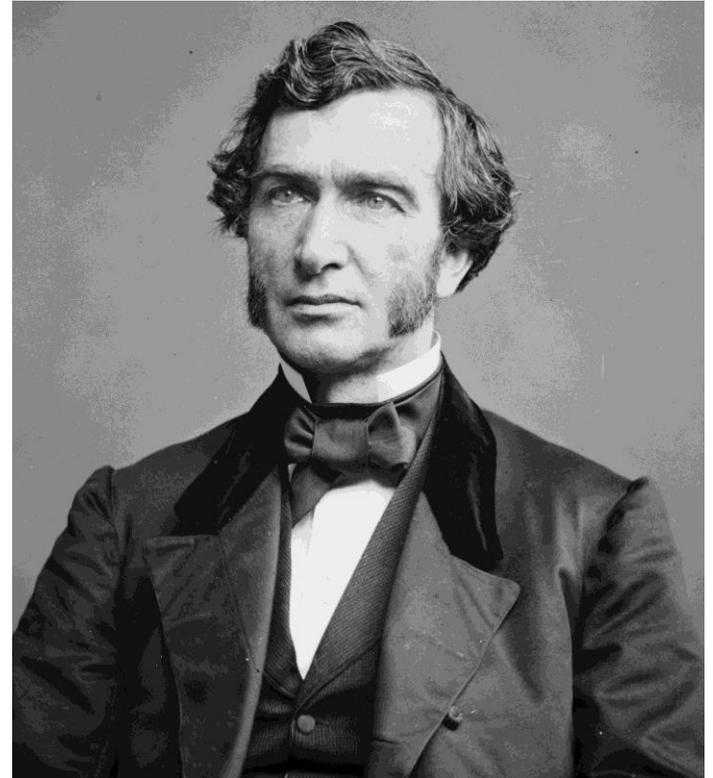
George Washington

First annual message to Congress
January 1790

Justin Smith Morrill (1810-1898)

The Morrill Act of 1862

- Established at least one college in every State
- “accessible to all, but especially to the sons of toil...”
(serving the children of farmers and laborers)



Tempe Normal School

February 26 1885:

John S. Armstrong introduced House Bill 164, "An Act to Establish a Normal School in the Territory of Arizona"

Inaugural class: 33 students

Established on 20 acres donated by George and Martha Wilson's, owners of the Pioneer Meat Market, in exchange for \$500



Population Counter



U.S. Population

3 2 2 , 9 3 4 , 2 8 9



World Population

7 , 3 0 3 , 0 9 8 , 9 9 5

COMPONENTS OF POPULATION CHANGE

21:44:29 UTC

One birth every **8 seconds**



One death every **11 seconds**



One international migrant (net) every **27 seconds**



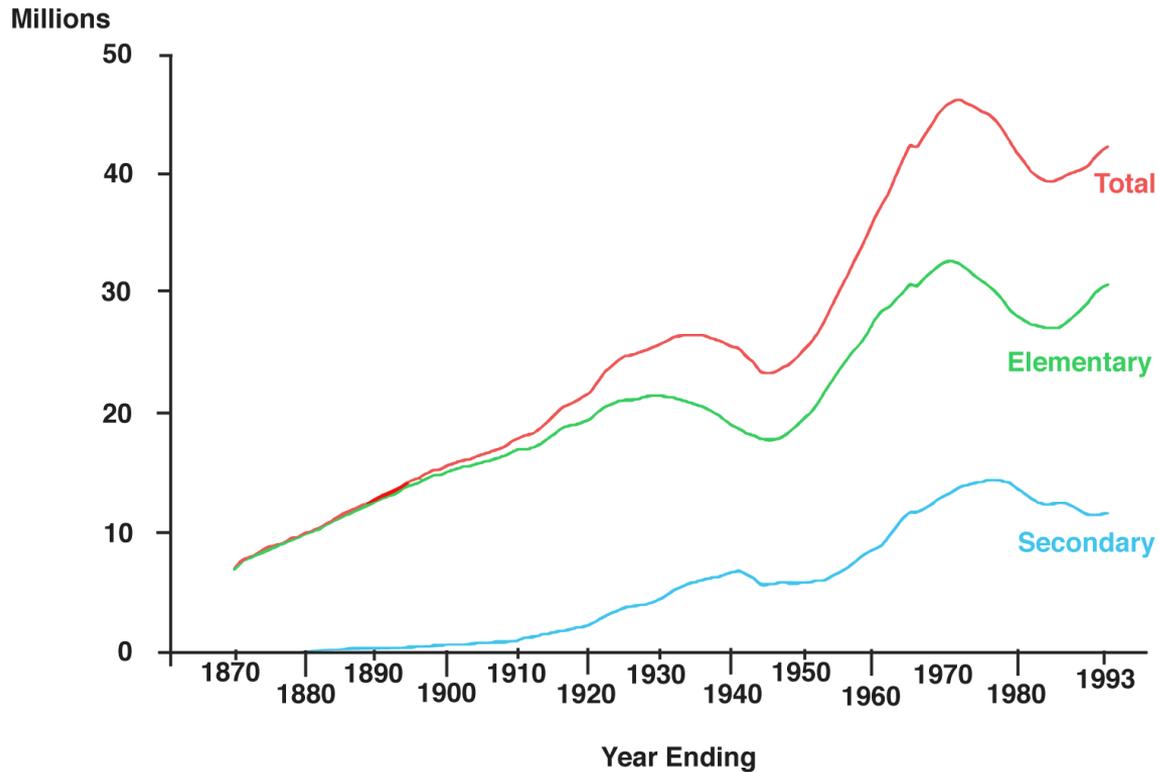
Net gain of one person every **15 seconds**



TOP 10 MOST POPULOUS COUNTRIES

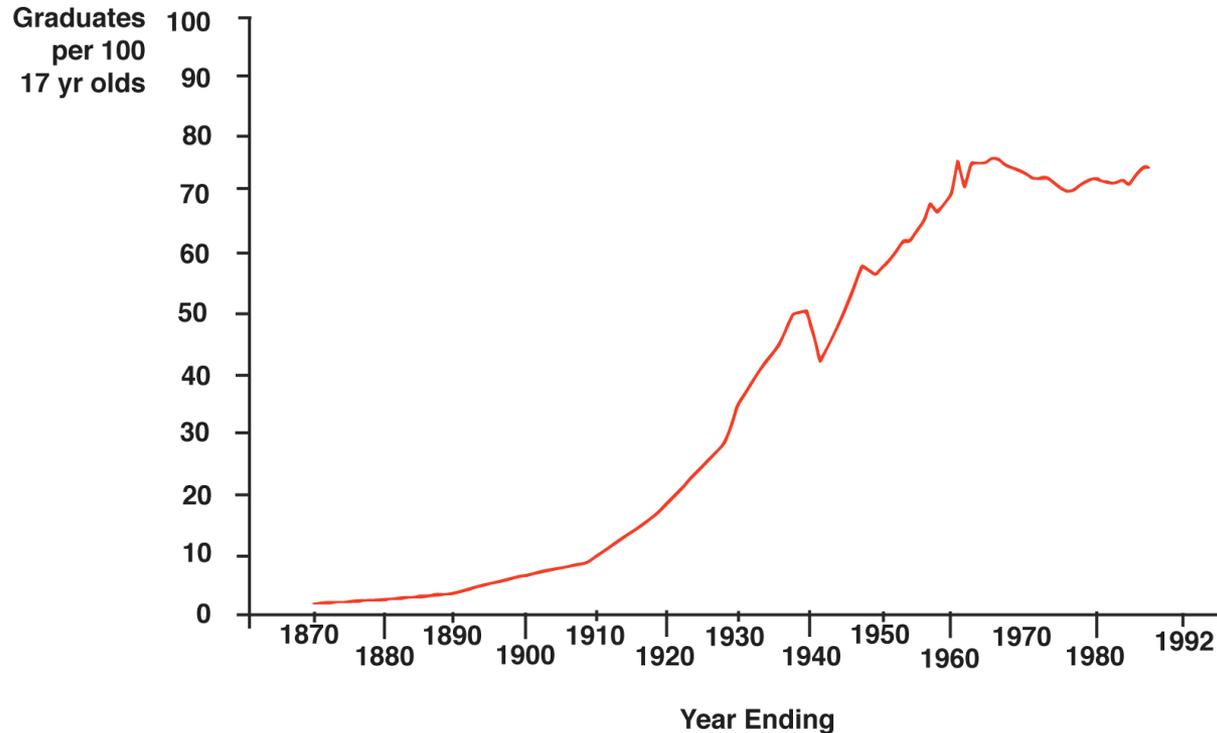
| | | | |
|------------------|---------------|---------------|-------------|
| 1. China | 1,367,485,388 | 6. Pakistan | 199,085,847 |
| 2. India | 1,251,695,584 | 7. Nigeria | 181,562,056 |
| 3. United States | 321,368,864 | 8. Bangladesh | 168,957,745 |
| 4. Indonesia | 255,993,674 | 9. Russia | 142,423,773 |
| 5. Brazil | 204,259,812 | 10. Japan | 126,919,659 |

Enrollment in public elementary and secondary schools, by level: 1869-70 to 1992-93



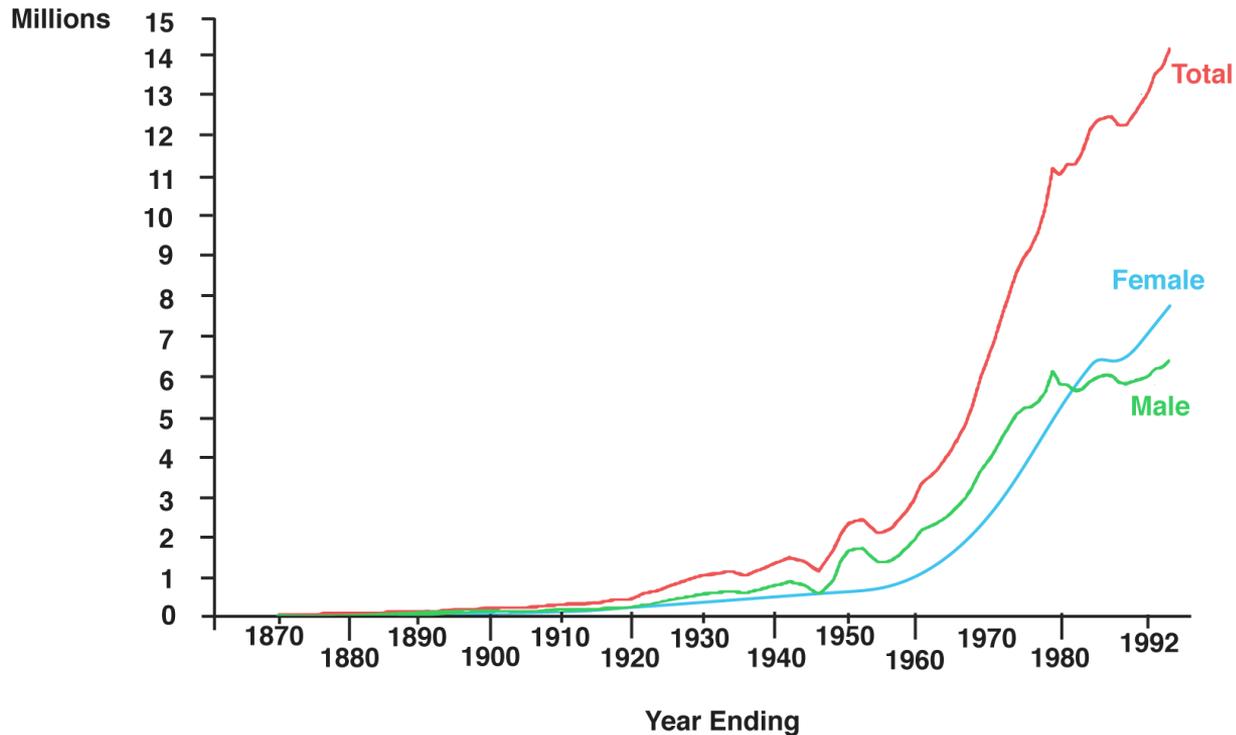
Source: US Department of Commerce, Bureau of Census, Historical Statistics of the United States

Number of public and private high school graduate per 100 17-year olds: 1869-70 to 1991-92



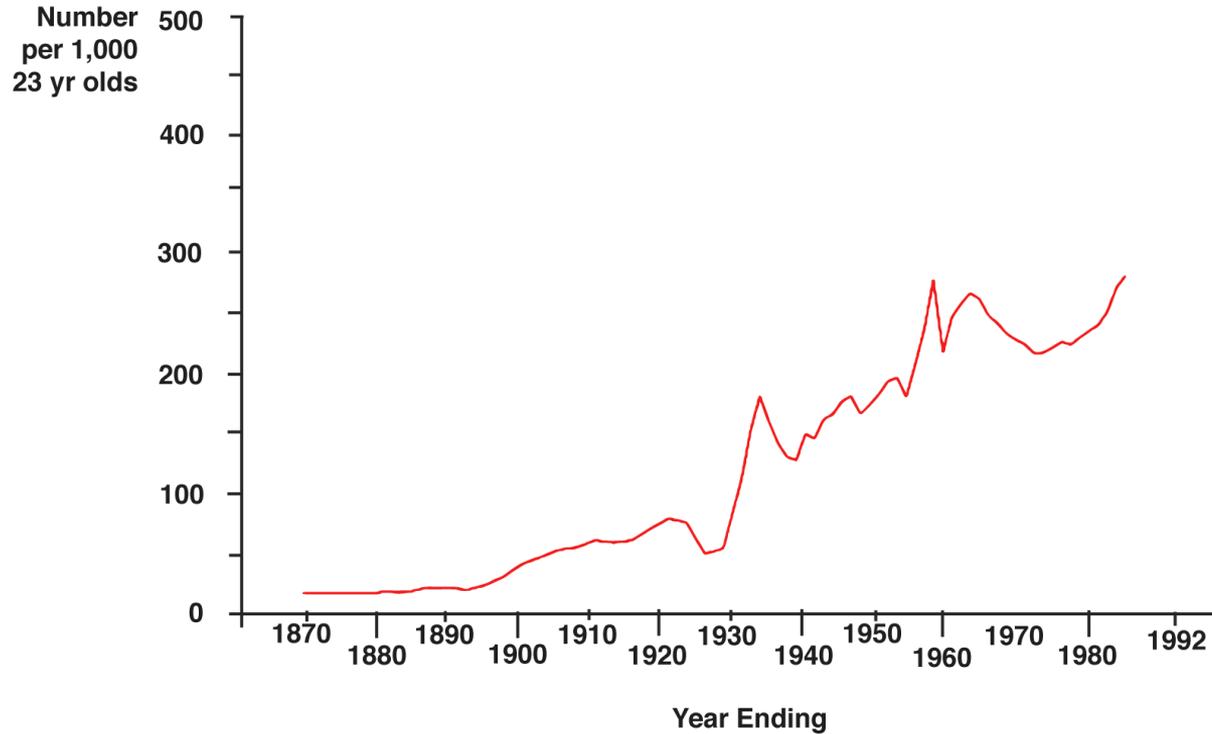
Source: US Department of Commerce, Bureau of Census, Historical Statistics of the United States

Enrollment in institutions of higher education, by sex: 1869-70 to 1990-91



Source: US Department of Commerce, Bureau of Census, Historical Statistics of the United States

Bachelor's degrees per 1,000 23-year olds: 1869-70 to 1990-91



Source: US Department of Commerce, Bureau of Census, Historical Statistics of the United States

60x30TX

60 percent of "Generation Texas" will have a postsecondary credential or degree by 2030

**April 2015 – Draft of the Next Higher
Education Strategic Plan for Texas**

4/20/15
Texas Higher Education Coordinating Board

Colorado Competes

**A Completion Agenda
for Higher Education**

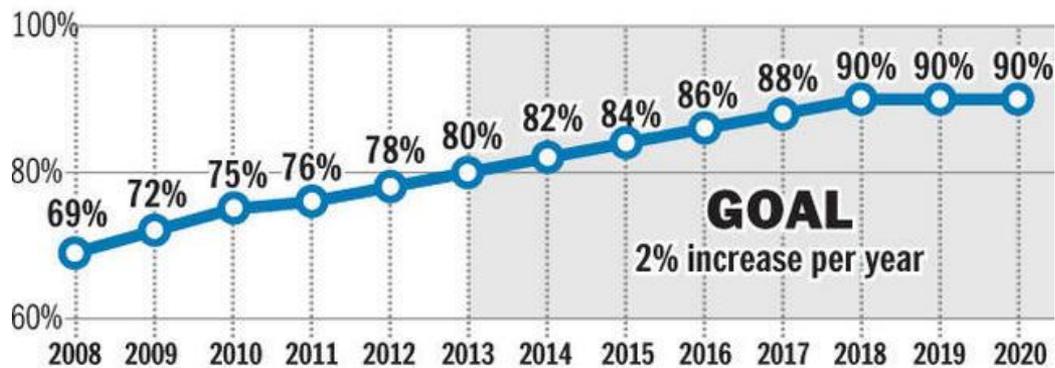
on Higher Education

MASTER PLAN

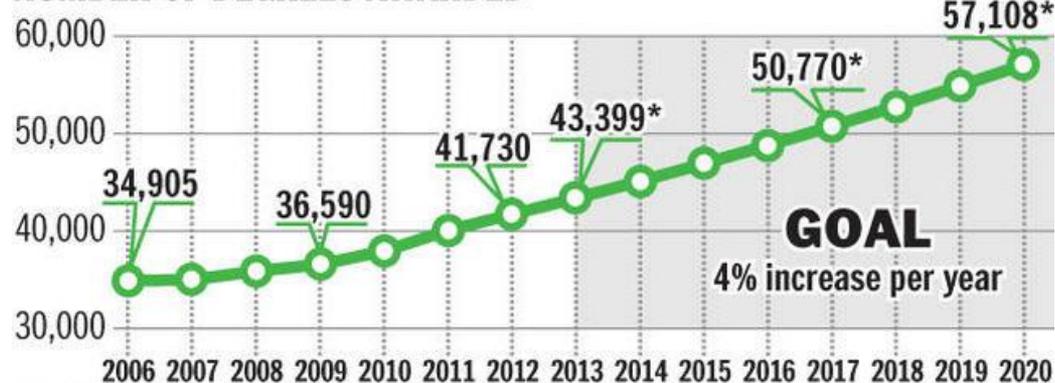
Published October 2012

Utah's K-12 and Higher Education Goals

STATEWIDE HIGH SCHOOL GRADUATION RATES



NUMBER OF DEGREES AWARDED

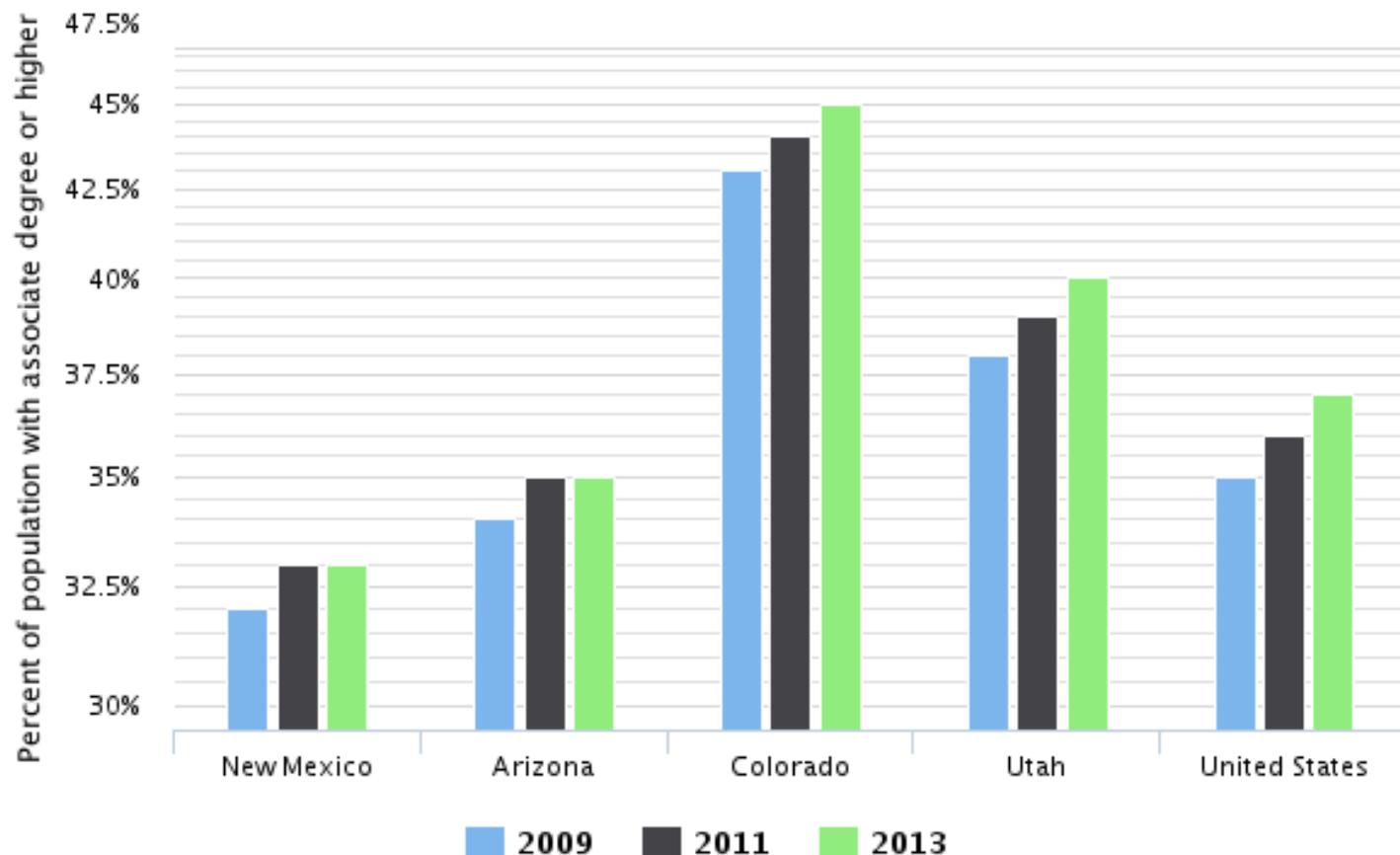


*Approximate numbers

SOURCE: Utah State Office of Education, Utah System of Higher Education

DESERET NEWS GRAPHIC

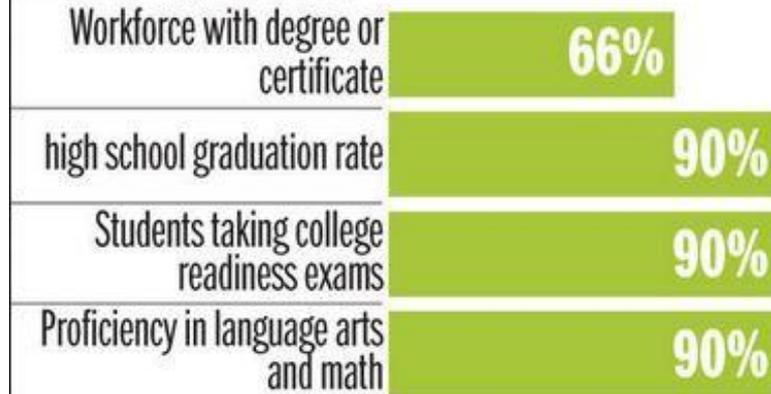
Education Attainment Comparison (Age 25+)



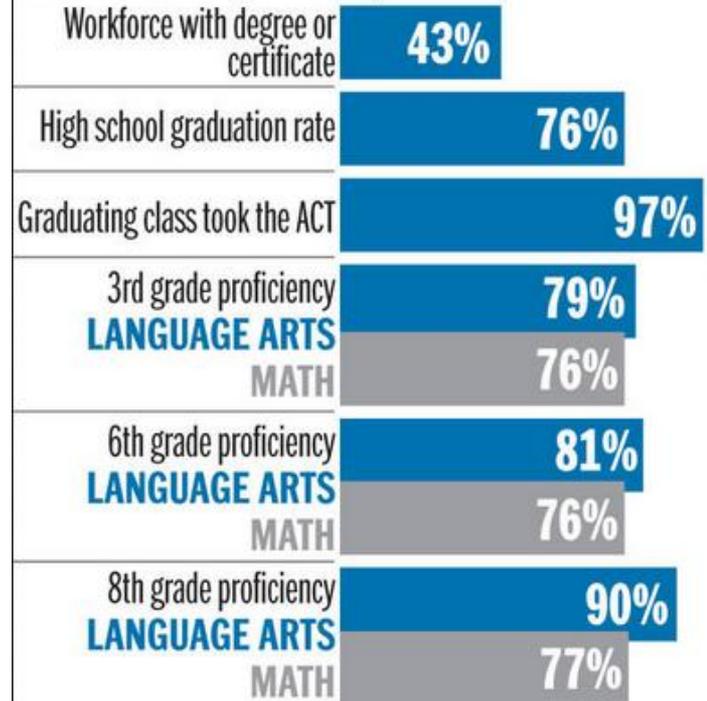
Is Utah on pace for 2020?

Gov. Herbert has set a series of goals to have 66 percent of Utah's adults holding a post-secondary degree or certificate by 2020. Here's how far the state has to go in eight years.

GOAL (2020)

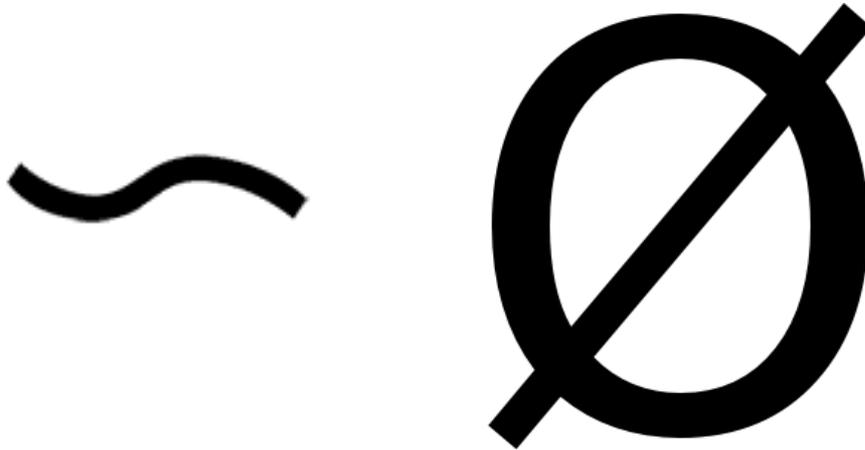


REALITY (2012)



SOURCE: Utah System of Higher Education, Utah State Office of Education
DESERET NEWS GRAPHIC

Arizona Educational Attainment Goals



ASU 2025 Metrics

| | |
|-------------------------------|--------------|
| Total Enrollment | 125,000 |
| Undergraduate Degrees Awarded | 21,400 |
| Graduate Degrees Awarded | 10,670 |
| Degrees in High Demand Fields | 15,000 |
| Freshman Retention Rate | 90% |
| Six Year Graduation Rate | 75% |
| Research Expenditures | \$815,000.00 |

