The Road Ahead: 2017 and Implications for STEM Advocates

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The Landscape

Upper Midwest Voters Were the Decisive Block



Republicans Control Majority of State Legislatures and Governorships

Party control of state legislatures and governorships



* Nebraska has a unicameral, nonpartisan legislature and a GOP governor, Alaska has an independent governor and a GOP legislature

Source: National Conference of State Legislatures, 2016

November 11, 2016 | Madelaine Pisani, Katharine Conlon and Christine Yan

The Labor Force, Employment, and Unemployment



Percentage of the Population

The percentage of the population that is employed is projected to remain roughly unchanged over the next few years and then decrease through 2026 because of declining participation in the labor force, mainly by baby boomers as they age and move into retirement.



Source: 2014 Survey of CTEo/BRT corporate members

The Graduate Skills Gap

55% of companies see skills gaps among U.S. applicants with bachelor's degrees. 57% see gaps in those with industry-recognized certifications.



How Big is Student Loan Debt?



Education policy heat map, 2017-2018



STEM Education Issues and Implications

General Public's Image



Hollywood's Historical Image



What (Many) Students Think



Actual STEM Careers



STEM Majors Do Very Well



So Do STEM Technicians

1/2 OF ALL STEM JOBS

don't require a four-year degree and pay an average of \$53,000, which is 10 percent higher than non-STEM jobs with similar education requirements.



STEM tistics

Strengthening the STEM Pipeline



Where We See STEM Opportunities (-ish)

Funding Priorities







State Level Advocacy Under Every Student Succeeds Act



Thank You!

