

1 A MEMORIAL

2 DECLARING THE WEEK OF FEBRUARY 7 THROUGH 14, 2014 AS
3 "NEW MEXICO STEM EDUCATION WEEK IN THE SENATE" AND ANNOUNCING
4 VOLUNTARY TARGETS FOR NEW MEXICO REGARDING SCIENCE,
5 TECHNOLOGY, ENGINEERING AND MATHEMATICS.

6
7 WHEREAS, teachers, industry leaders, parents and other
8 citizens took part in a two-day science, technology,
9 engineering and mathematics summit in November 2012,
10 sponsored by the New Mexico partnership for math and science
11 education and organized by New Mexico first; and

12 WHEREAS, that group formed a collective impact team that
13 has worked for fourteen months to research and advance sound
14 policies and practices regarding science, technology,
15 engineering and mathematics education in New Mexico; and

16 WHEREAS, the New Mexico economy is highly reliant on the
17 science, technology, engineering and mathematics fields,
18 including energy development, national laboratories, health
19 care and high-technology companies; and

20 WHEREAS, New Mexico's economic development priorities
21 call for expansion of science, technology, engineering and
22 mathematics fields; and

23 WHEREAS, national labor market research predicts that
24 the American work force will need one hundred twenty-three
25 million workers for high-skill jobs by 2020, but only fifty

1 million Americans are expected to qualify for them; and

2 WHEREAS, the rising number of retirees in the "baby
3 boomer" generation will further reduce the number of science,
4 technology, engineering and mathematics professionals,
5 particularly engineers, in the nation's and New Mexico's
6 labor force; and

7 WHEREAS, the federal government set a national target of
8 ten thousand new science and mathematics teachers per year to
9 educate the next generation of science, technology,
10 engineering and mathematics professionals; and

11 WHEREAS, New Mexico adopted the common core state
12 standards, requiring additional professional development of
13 mathematics teachers;

14 NOW, THEREFORE, BE IT RESOLVED BY THE SENATE OF THE
15 STATE OF NEW MEXICO that the week of February 7 through 14,
16 2014 be declared "New Mexico STEM Education Week in the
17 Senate"; and

18 BE IT FURTHER RESOLVED that the public education
19 department be requested to develop a plan for consideration
20 and possible adoption of the next-generation science
21 standards and report to the legislature by fall 2014 its
22 intentions regarding potential implementation as well as
23 roll-out of the common core state standards in mathematics;
24 and

25 BE IT FURTHER RESOLVED that the public education

1 department, the higher education department and the private
2 sector each work to advance the following voluntary targets:

3 A. New Mexico will certify one thousand new
4 science and mathematics teachers by 2020;

5 B. New Mexico will demonstrate a twenty-five
6 percent increase in the number of high school students
7 measurably proficient in mathematics by 2020;

8 C. public post-secondary educational institutions
9 will coordinate with one another and present to the
10 legislature by December 2014 information on combined efforts
11 to reform the pre-service teacher programs that will prepare
12 the next generation of science and mathematics educators; and

13 D. New Mexico will increase the college graduation
14 rate in science, technology, engineering and mathematics
15 fields by twenty-five percent by 2020; and

16 BE IT FURTHER RESOLVED that the departments, public
17 post-secondary educational institutions and private sector
18 partners be requested to present progress on these goals to
19 the legislative education study committee annually for the
20 next three years; and

21 BE IT FURTHER RESOLVED that copies of this memorial be
22 transmitted to the governor, the secretaries of public
23 education and higher education, the presidents of public
24 post-secondary educational institutions, the chairs of the
25 legislative education study committee and the legislative

1 finance committee, New Mexico first and the New Mexico

2 partnership for math and science education.=====

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