

Math and Science Town Hall

Senate Education Committee
January 18, 2006

Senator Cynthia Nava, *Chair*



Background

Recommendations

1. Math and Science Initiative

2. Leadership

3. Experts

4. Aligned Model

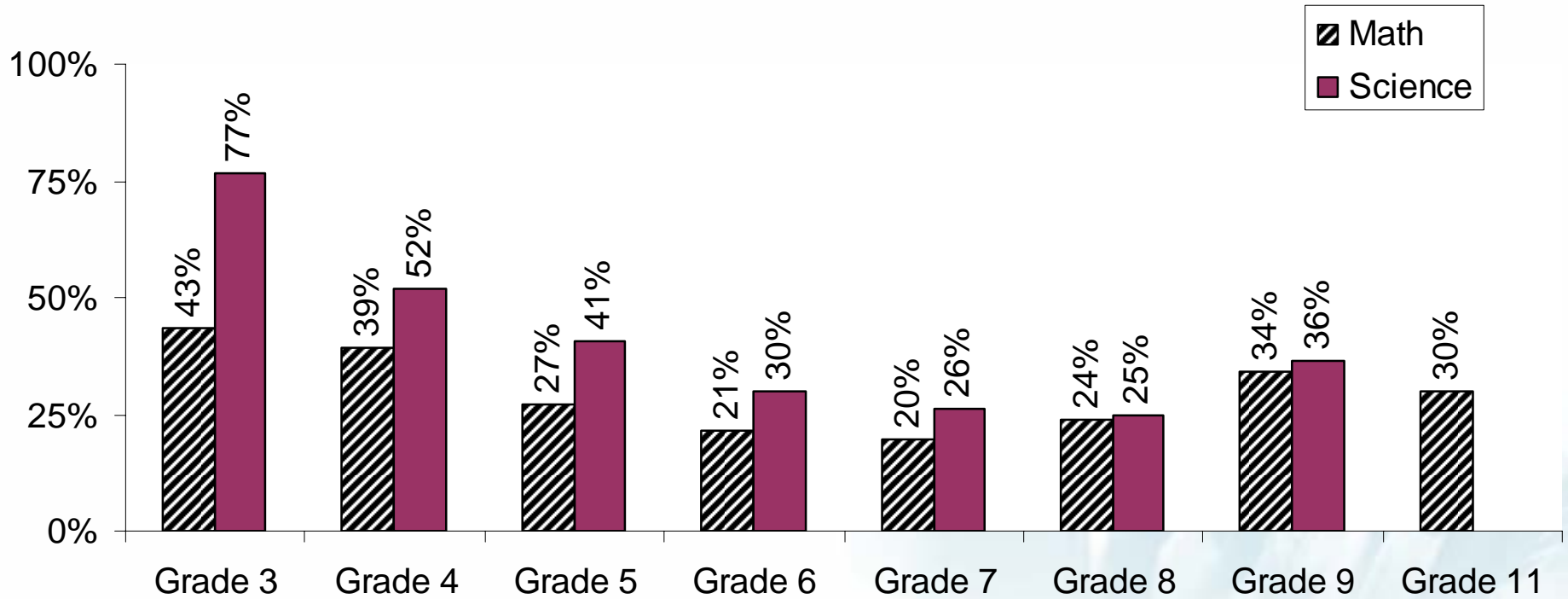
5. Higher Ed

6. Increased Opportunities

7. Professional Development

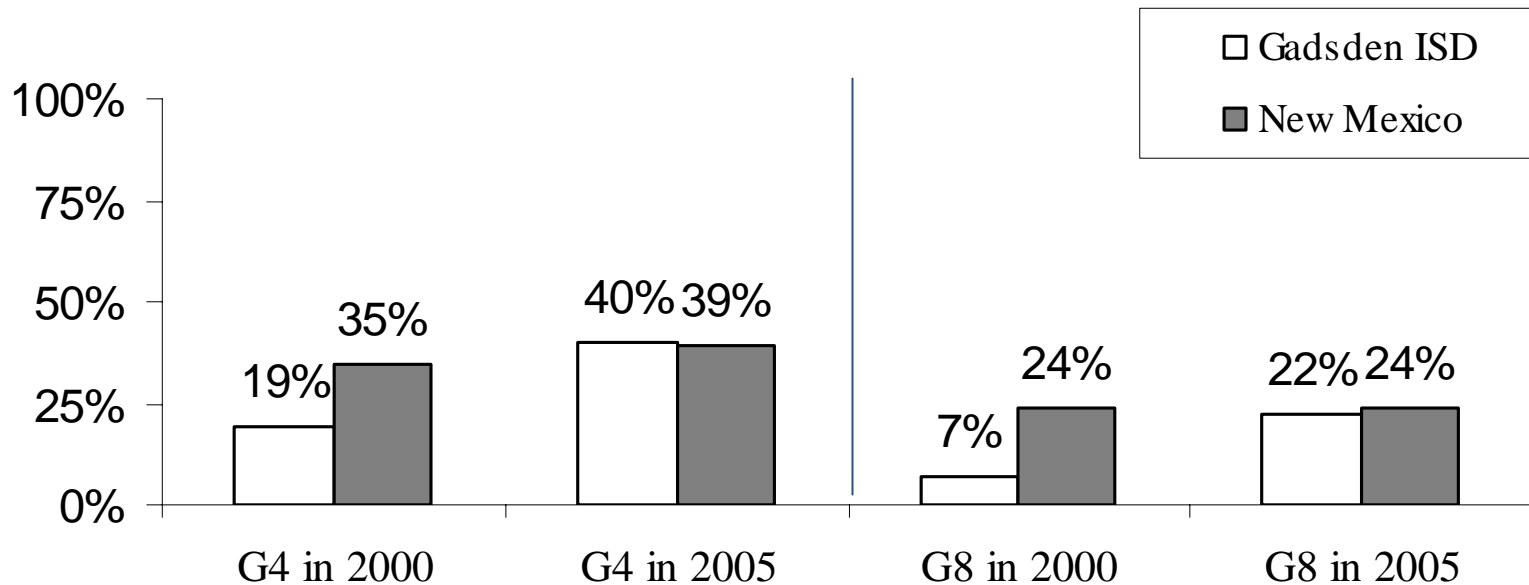
8. Public Awareness

NMSBA Math & Science 2005 Students At or Above Proficiency

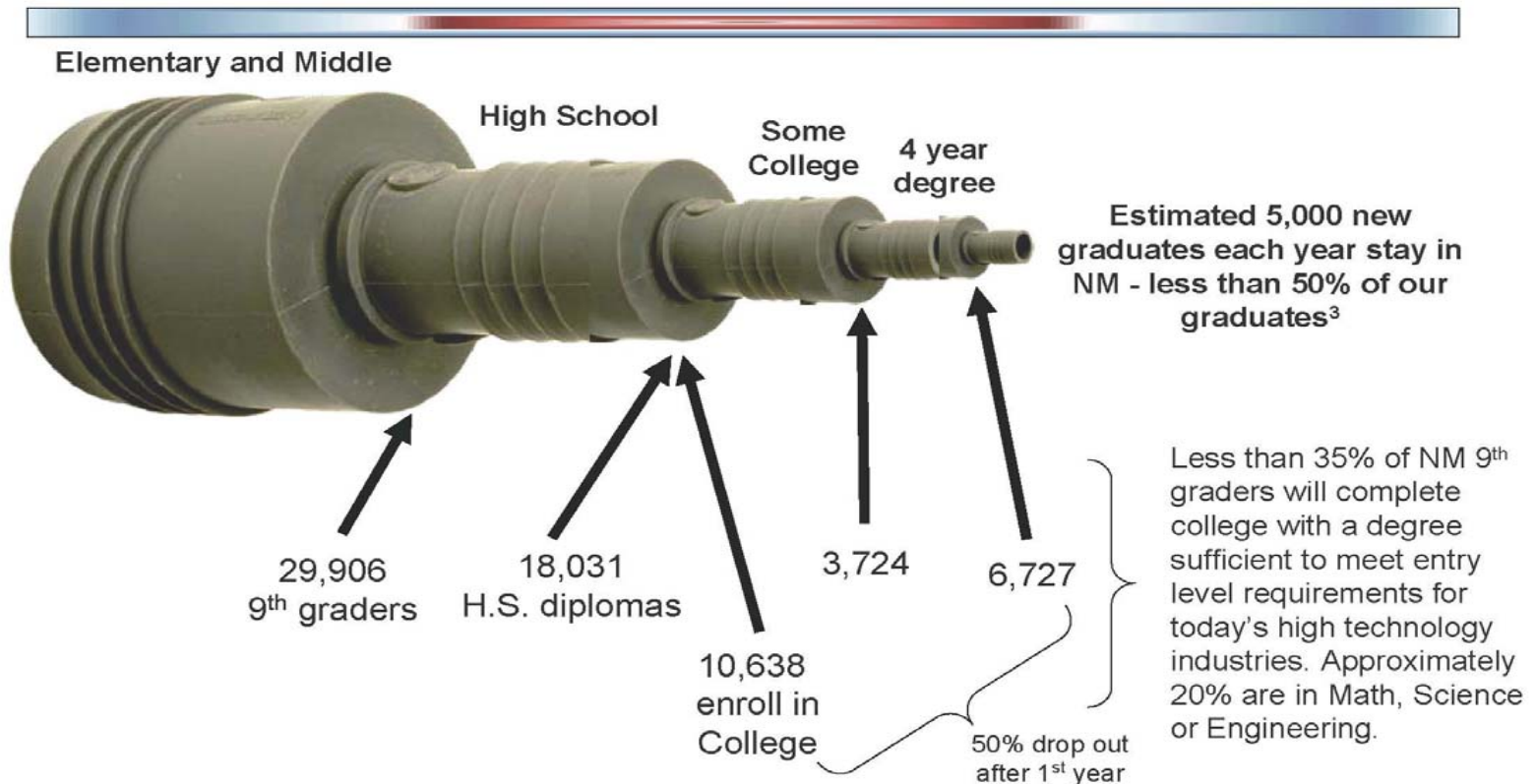


Gadsden Math Initiative

**Grade 4 & 8 Students Scoring At or Above Proficiency
in Mathematics
CTBS in 2000 vs NMSBA in 2005**



Understanding the Pipeline in NM



Note: 1. Graduation data from school year 2000

2. Data from <http://www.higheredinfo.org> and the Urban Institute for Education Policy Center

3. Estimated graduates remaining in state based upon anecdotal information from Universities

Recommendation #1

State Math and Science Initiative

Consistency
in
Teaching

Standards

- Student Learning
- Assessment

Recommendation #2

State and Local Leadership

Annual Recommendations to the New Mexico Legislature

Budget

Statewide Strategic Plan

Advisory Council

Recommendation #3

Experts in Math and Science

Math and Science
Unit in the Public
Education
Department

Work
With
Schools

Ongoing
Partnerships

Content
And
Pedagogy

Recommendation #4

NM Math and Science Education Model

Flexible
and Fluid

Align Math and
Science
Curriculum

State Provides
Technical and
Financial
Assistance to
Districts Adopting
the Model

Recommendation #5

Increase Rigor in Higher Education

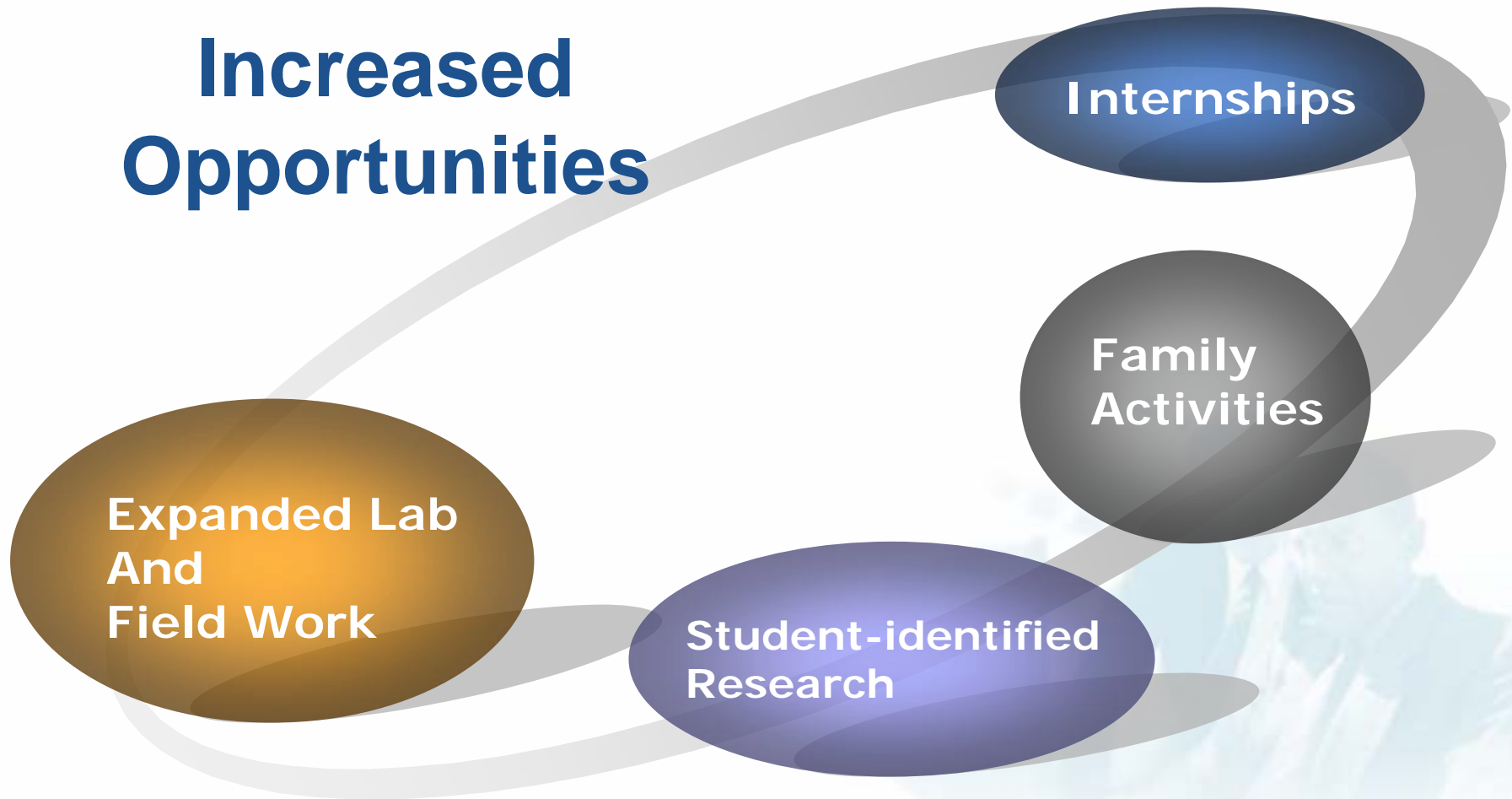
Recruit Teachers

Increase the Number of Credit Hours

Quality Math & Science Courses

Recommendation #6

Increased Opportunities



Recommendation #7

Professional Development (PD)

Comprehensive
And
Ongoing

Allow
Time

National PD
Standards

Recommendation #8

Public Awareness

Interest and
Enthusiasm in
Math and
Science

Info
Campaign

Support
Outreach