

TPSE-MATH and followups

July 10, 2016

Colorado State University



History

- Phil Griffiths, Eric Friedlander, S. James Gates, Mark Green, Tara Holm, Karen Saxe, Uri Treisman; later Brit Kirwan
- Concern with content and pedagogy of undergraduate mathematics
- NRC report Math 2025; PCAST report Engage To Excel
- Initial funding from CCNY, Sloan



- Series of regional meetings (Chicago, Duke, etc.); strategic plan developed
- End vision: “*Post-secondary education in mathematics will enable any student, regardless of his or her chosen program of study, to develop the mathematical knowledge and skills necessary for productive engagement in society and in the workplace.*”
- Work closely with faculty leaders, administrators, associations, disciplinary societies



- Mathematics Action Group and Department Chair Convening (first one in October – Chair Plus One concept)
- Focus on:
 - Multiple math pathways for lower-division
 - Enhanced alternative paths for upper-division
 - New teaching technologies
 - Broader training for graduate students
- Home at U Maryland now



- AMPSS now – a broader coalition
- Advancing Math Pathways for Student Success
- APLU, AASCU, NASH, AACCC, Dana Center at UT-Austin, Carnegie Foundation, Complete College America, TPSE-Math, Conference Board of Mathematical Sciences (CBMS)
- Takeaway: awareness of this national effort; hopefully enthusiasm for participation; encouragement of your math chairs/faculty to get involved; be receptive and supportive

