

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Board on Science Education
Board on Mathematical Sciences and Analytics

Agenda

Increasing Student Success in Developmental Mathematics: A Workshop

Lecture Room, NAS Building
2101 Constitution Ave, NW
Washington, DC 20418

DAY 1: Monday, March 18th

8:15 am *Check-In, Breakfast and Coffee Available*

9:00 am **Welcome and Introductions**

Heidi Schweingruber, Director, Board on Science Education

Howard Gobstein (Chair), Executive Vice President of Research, Innovation and STEM Policy, Association of Public and Land-Grant Universities (APLU)

9:15 am **Panel Discussion: *The Importance of Mathematics Education***

Moderator: *Linda Braddy*, Vice President for Academic Affairs, Tarrant County College and Past Deputy Executive Director, Mathematical Association of America (MAA)

Panelists:

- *Mark Green*, Professor, University of California-Los Angeles and Member, Board on Mathematical Sciences and Analytics
- *Nicole Smith*, Research Professor and Chief Economist, Georgetown University Center on Education and the Workforce
- *Paula Wilhite*, Professor, Northeast Texas Community College and Chair of Developmental Mathematics Committee, American Mathematical Association of Two-Year Colleges (AMATYC)

9:50 am **Questions from the Audience**

10:00 am **The Current Landscape of Strategies to Improve Developmental Mathematics Education**

Note: Full commissioned paper for this presentation is available on the project webpage.

Elizabeth Zachry Rutschow, Senior Research Associate, MDRC

- 10:30 am **Questions from the Audience**
Moderator: **Tatiana Melguizo**, Associate Professor, University of Southern California
- 10:45 am ***Interactive Break***
Using post-it notes provided, (1) identify other models and approaches that have not been highlighted or (2) describe an approach that you think the field should try in order to increase student success in developmental or introductory mathematics?
- 11:00 am **Educational Equity and Mathematics Reform**
Moderator: **James Dorsey**, President & CEO, College Success Foundation
- Panelists:
- **Aditya Adiredja**, Assistant Professor, University of Arizona
 - **Pamela Burdman**, Senior Project Director, The Opportunity Institute
 - **Maxine Roberts**, Knowledge Manager for Strong Start to Finish, Education Commission of the States
 - **Joanna Sanchez**, Program Manager, *Excelencia* in Education
- 11:45 am **Questions and Commentary from the Audience**
- 12:00 pm ***Lunch***
- 1:15 pm **Student Demographics and Course-taking Experiences in Developmental Mathematics**
Note: Full commissioned paper for this presentation is available on the project webpage.
- Michelle Hodara**, Practice Expert for Applied Research and Postsecondary Success, Education Northwest
- 1:45 pm **Questions from the Audience**
Moderator: **Tatiana Melguizo**, University of Southern California
- 2:00 pm **Digging into Data about Students' Experiences: Deepening Understandings of What Works for Whom**
Note: Short papers are available on the project webpage as background to each presentation.
- Moderator: **Susan Bickerstaff**, Senior Research Associate, Community College Research Center at Teachers College, Columbia University
- Panelists:
- **Angela Boatman**, Assistant Professor, Vanderbilt University

- ***Toby Park***, Associate Professor, Florida State University

2:35 pm **Questions from the Audience**

2:45 pm Panelists:

- ***John Hetts***, Senior Director of Data Science, Education Results Partnership
- ***Lauren Schudde***, Assistant Professor, The University of Texas at Austin

3:15 pm **Questions from the Audience**

3:35 pm ***Break***

3:50 pm **Open Discussion and Reflections**

Facilitator: ***Julie Phelps***, Professor, Valencia College, East Campus

4:15 pm **Reflections from the Sponsor**

Amy Kerwin, Ascendium Education Group

4:25 pm **Day 1 Wrap Up and Looking Ahead to Day 2**

4:30 pm **Adjourn to Networking Hour** (*light refreshments available*)

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DAY 2: Tuesday, March 19th

8:30 am *Breakfast and Coffee Available*

9:00 am **Welcome to Day 2**
Howard Gobstein, APLU

9:10 am **Summary of Day 1 Interactive Break**
Discussant: *Susan Bickerstaff*, Community College Research Center at Teachers College, Columbia University

9:20 am **Promising Models for Change**
Note: Short papers are available on the project webpage as background to each presentation.

Moderator: *Tristan Denley*, Executive Vice Chancellor for Academic Affairs and Chief Academic Officer, University System of Georgia

Panelists:

- *Amy Getz*, Manager, Systems Implementation for Higher Education, Charles A. Dana Center
- *Jeanette Kim*, Interim University Assistant Dean, Prematriculation Programs and Program Assessment, City University of New York
- *Karon Klipple*, Executive Director, Carnegie Math Pathways, West Ed

10:15 am **Questions and Commentary from the Audience**

10:35 am *Coffee Break*

10:50 am **Synergy of Math Reform Efforts and Overall Strategies to Transform Undergraduate Education**

Moderator: *Uri Treisman*, Professor, Charles A. Dana Center, University of Texas at Austin

Panelists:

- *Nyema Mitchell*, Senior Program Manager, Jobs for the Future
- *Rahim Rajan*, Deputy Director, Bill and Melinda Gates Foundation

11:30 am **Questions and Commentary from the Audience**

11:50 am **Instructions for Small Group Work**

12:00 pm *Lunch*

12:30 pm **Move into Small Groups over Lunch**

1:30 pm **Building Capacity to Meet the Needs of Students**

Moderator: *Vilma Mesa*, University of Michigan

Panelists:

- *Christine Brongniart*, Interim ASAP University Executive Director, City University of New York
- *April Strom*, Professor, Chandler/Gilbert Community College and AMATYC
- *Karon Klipple*, Carnegie Math Pathways, West Ed

2:10 pm **Questions and Commentary from the Audience**

2:30 pm *Break*

2:45 pm **Panel Discussion: *Vision for the Future***

Moderator: *Howard Gobstein*, APLU

Panelists:

- *Linda Braddy*, Tarrant County College
- *Tristan Denley*, University System of Georgia
- *Tatiana Melguizo*, University of Southern California
- *Uri Treisman*, University of Texas at Austin

3:20 pm **Questions from the Audience**

3:35 pm **Reflections from the Audience**

Facilitator: *Howard Gobstein*, APLU

3:50 pm **Reflections from the Committee Chair**

4:00 pm **Adjourn**