

# Constructing Foundations for Success:

## Implications of the National Mathematics Advisory Panel Report

# AGENDA

### Objectives

- Understand implications of key recommendations of National Mathematics Panel Report (NMPR)
- Connect key NMPR recommendations to current work and state initiatives
- Develop strategies for coordinated, leveraged actions across state initiatives that address key recommendations

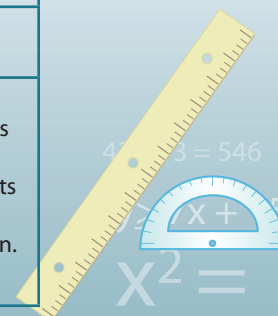
### ALL INSTITUTE SESSIONS WILL BE HELD IN THE FLORIDA–TENNESSEE ROOM

#### Day 1 / JULY 28, 2009 / 12:15 p.m.–5:30 p.m.

Time	Event
12:15–1:00	<b>Registration and Luncheon</b>
1:00–1:15	<b>Welcome and Conference Overview</b> Presenter: Robin Jarvis, Program Manager, Southeast Comprehensive Center (SECC) at SEDL
1:15–1:50	<b>Overview of the National Mathematics Panel</b> This presentation is an overview of the National Mathematics Panel (NMP) from the perspective of a key member of the panel. Presenter: Russell Gersten, Center on Instruction Speaker Introduction: Glenda Copeland, SECC
1:50–2:30	<b>State Team Work Session</b> Participants will complete and discuss the State Team Planning Tool: Section A—Overview. Discussion will be facilitated by SECC state liaisons. Facilitator: Concepcion Molina, SECC
2:30–2:45	<b>Break</b>
2:45–5:30	<b>Curricular Content</b> Participants will investigate details of the curricular content recommendations in addition to investigating deeper mathematics content. After a short break, they will form state teams to complete and discuss the State Team Planning Tool: Section B—Curricular Content. Discussion will be facilitated by SECC state liaisons. Presenter: Concepcion Molina, SECC

#### Day 2 / JULY 29, 2009 / 8:30 a.m.–5:00 p.m.

Time	Event
8:30–9:00	<b>Breakfast</b>
9:00–9:15	<b>Welcome and Agenda Overview</b> Presenter: Debra Meibaum, SECC
9:15–11:45	<b>Learning Processes and Instructional Practices</b> This session will focus on NMPR findings and recommendations regarding learning processes and instructional practices. Participants will be given details on cognition, how students process information, and mathematics instructional practices. After a short break, participants will form state teams to complete and discuss the State Team Planning Tool: Section C—Learning Processes and Instructional Practices. SECC state liaisons will facilitate the discussion. Presenters: Camille Chapman, SECC; Russell Gersten, Center on Instruction



Advancing Research, Improving Education

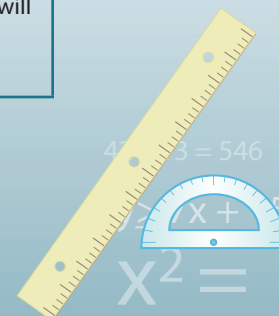
SOUTHEAST COMPREHENSIVE CENTER

# Constructing Foundations for Success:

Implications of the  
National Mathematics Advisory Panel Report

## Day 2 / JULY 29, 2009 / 8:30 a.m.–5:00 p.m. (continued)

Time	Event
11:45–1:00	<b>Working Luncheon</b> Participants will work in role-alike groups to share perspectives about the implications of the NMPR recommendations for their roles and responsibilities in serving school districts in their states. SECC Mathematics Institute Planning Team members will facilitate.  Facilitator: Darlene Brown, SECC
1:00–1:15	<b>Break</b>
1:15–4:00	<b>Teachers and Teacher Education</b> This multi-topic session will deepen participants' understanding as they work to apply the panel's findings and recommendations concerning teacher knowledge and teacher preparation. Specifically, the session will provide participants with an understanding of the components of quality mathematics instruction, how to assess the extent to which those components are addressed in teacher preparation programs and professional development activities, and how this information can be used as a foundation for systemic and strategic reform of teacher preparation, support, and development.  <b>Critical Foundations of Algebra and High-Quality Mathematics Instruction</b> This segment will focus on teachers' knowledge of and practice in (a) mathematics content, (b) how students learn mathematical concepts including how to identify and address students' misconceptions, (c) analyzing student work in mathematics, and (d) effective teaching strategies to bolster students' mathematical problem solving and reasoning.  Presenter: Kristin L. McGraner, Vanderbilt University  <b>Mathematics Innovation Configuration</b> This segment investigates the use of the Mathematics Innovation Configuration to assess the extent to which preparation programs are addressing essential components of mathematics instruction.  Presenter: Dan Reschly, Vanderbilt University  <b>Preparing and Developing Effective Mathematics Teachers</b> This segment presents a systemic view of ensuring high-quality mathematics staff including how preparation, support, development, and certification are interrelated and can be addressed strategically for comprehensive reform.  Presenter: Tricia Coulter, National Comprehensive Center for Teacher Quality Facilitator: Maria Torres, SECC  After a short break, participants will form state teams to complete and discuss the State Team Planning Tool: Section D—Teachers and Teacher Education. SECC state liaisons will facilitate the discussion.
4:00–5:00	<b>Collaborative Action: Preparing to "Take It Home"</b> In state teams, participants will identify the specific recommendations from the panel that will be implemented and develop an action plan for moving the ideas into action.  Presenters: Ed Tobia, SECC; Concepcion Molina, SECC

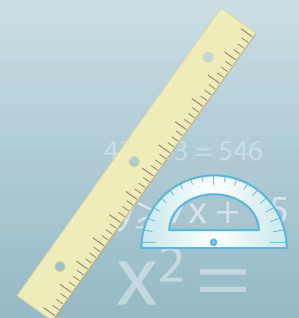


# Constructing Foundations for Success:

Implications of the  
National Mathematics Advisory Panel Report

**Day 3 / JULY 30, 2009 / 8:30 a.m.–11:45 p.m.**

Time	Event
8:30–9:00	<b>Breakfast</b>
9:00–10:15	<b>State Panel—State Strategies in Support of the NMP Recommendations</b> A representative from each state education agency will report on strategies and actions that the state team is planning to make to implement specific recommendations of the NMP. Panel discussant: Ed Tobia, SECC
10:15–10:30	<b>Break</b>
10:30–11:30	<b>Celebrating Our Commonalities and Differences: Implementation Plans</b> Participants will engage in an interactive session that shows how each unique participant can bring talents to a plan for effective implementation of the panel’s recommendations. Presenter: Sandra Lindsay, SECC
11:30–11:45	<b>Reimbursements and Evaluation</b>



Advancing Research, Improving Education

SOUTHEAST COMPREHENSIVE CENTER