

SREB

Providing Leadership for Improving Mathematics Achievement

NJ Abbott Secondary Initiative,
Grades 6-12
Academic Rigor

Southern
Regional
Education
Board

Gayle Mills
November 14, 2005

Our Work Counts

Never doubt that a small group of thoughtful, committed people can change the world. Indeed it is the only thing that ever has.

--- Margaret Mead

SREB



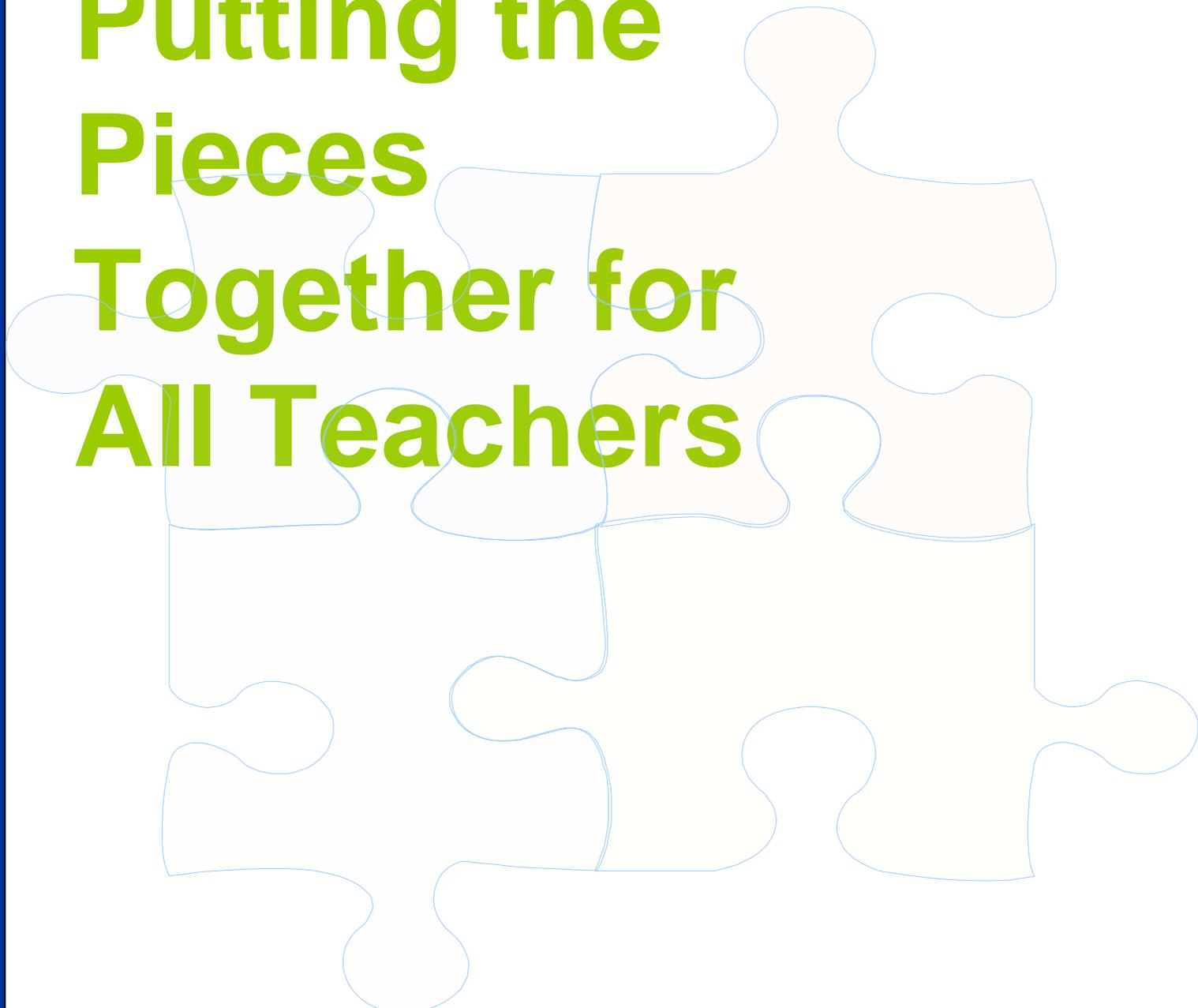
Putting the Pieces Together for All Students

Southern
Regional
Education
Board

SREB

Putting the Pieces Together for All Teachers

Southern
Regional
Education
Board



SREB

Southern
Regional
Education
Board



Goals for Session

- Introduction to District Rubric
- Organize groups and topics
- Brainstorming by topic
- Small group work with the District Rubric
- Presentations (walk-about)
- Whole group discussion
- Planning document
- Share outcomes

"Optimism is an essential ingredient for innovation. How else can the individual welcome change over security, adventure over staying in safe places?"

Innovation cannot be mandated any more than a baseball coach can demand that the next batter hit a home run. He can, however, assemble a good team, encourage his players, and play the odds."

Robert N. Noyce

SREB

**Change is a
process, not an
event.**

Southern
Regional
Education
Board

- Gene Hall and Shirley Hord

Change is not a process that simply unfolds...

- Successful change initiatives evolve over time from initiation to implementation and, finally, to institutionalization.
- Both organizations and individuals experience various stages in the change process.
- Change must be planned and guided...

SREB

Southern
Regional
Education
Board

New Jersey - Abbott School District

SREB

- **The Setting** – Reverse the normal pattern of funding
- **A plan** that is dynamic, changeable, real roadmaps to destinations
- New Jersey Core Curriculum Content Standards
- Assessing the six areas of Instructional Priorities
- Hired two math supervisors and advertised for a third
- 8th grade state test (2/3 can not pass)

*Institute for Research and Reform in Education/
First Things First
High Schools that Work*

Southern
Regional
Education
Board

Implications for the District Rubric

SREB

NJ Goals in Relationship to HSTW

1. Small learning communities -
Relevance
2. Personalization - Relationships
3. Academic rigor - Rigor

Southern
Regional
Education
Board

Implications for the District Rubric cont...

High Quality Instruction

1. Innovative pedagogy
2. Collaborative professional development
3. Student satisfaction
4. Differentiated instruction
5. Use of Technology

Indicators of Progress

1. Improved student/teacher attendance rates
2. Eliminate general, fundamental, basic, and consumer math
3. Universal completion of Algebra I by 9th grade

SREB

Southern
Regional
Education
Board

District Math Program Rubric

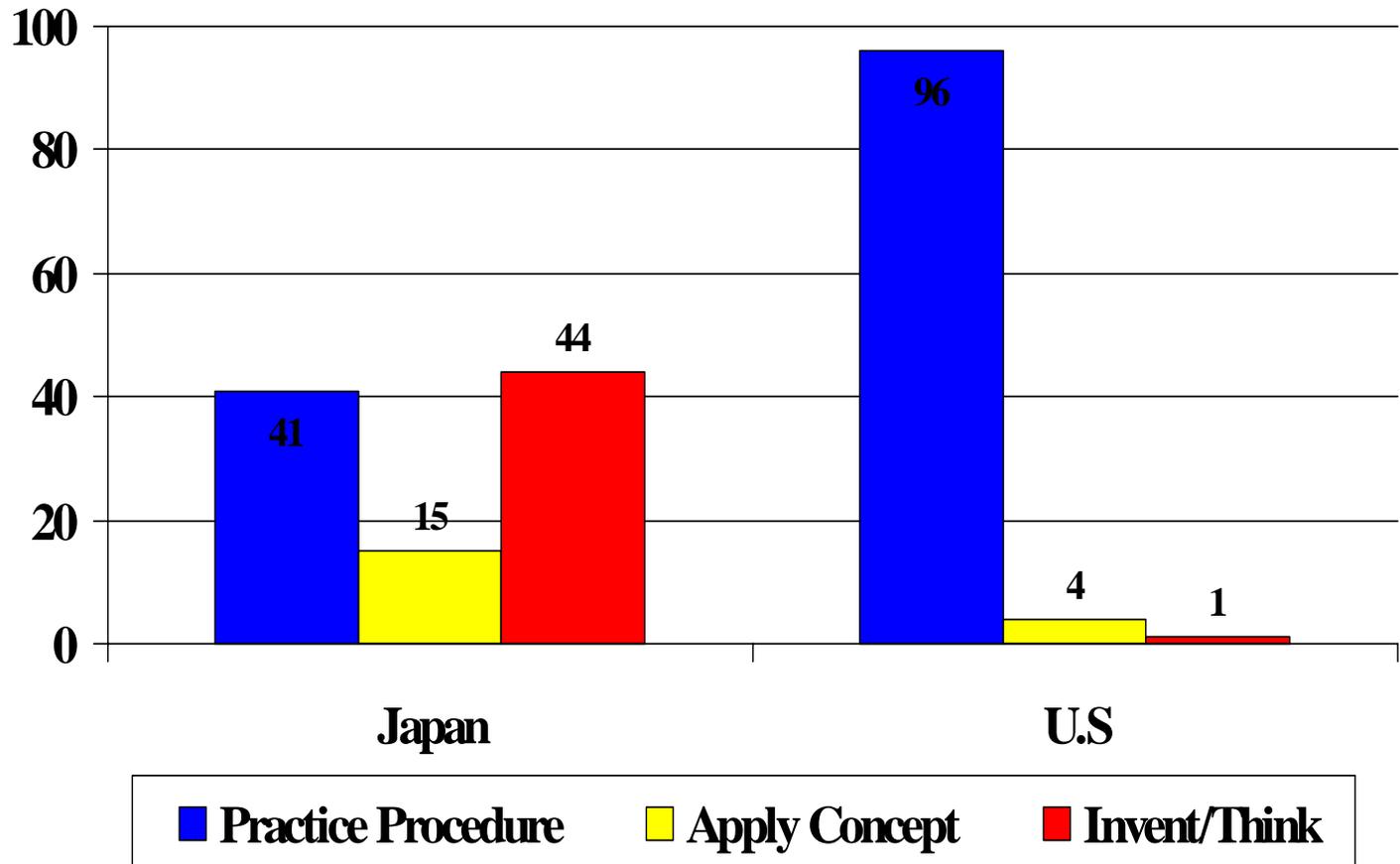
SREB

Vision for Excellence in Mathematics Teaching

1. District Leadership
2. Teaching Staff
3. Professional Development
4. Students' Learning
5. Mathematics Curriculum
6. Assessment System

Southern
Regional
Education
Board

Average Percentage of Seatwork Time in Each Country Spent Working on Three Kinds of Tasks



How the jigsaw works...

- Each person will become an 'expert' on one dimension
- In the expert groups, you will examine one exemplary program component carefully (level 4 rubric)
- Teams will do a walk-about in which each expert, in turn, will review the contents of the discussion on that dimension while team members take notes and then ask questions, add their ideas, etc

SREB

Southern
Regional
Education
Board

Forming Expert Groups

SREB

- 6 people/6 dimensions – each person chooses the one on which they want to work

Southern
Regional
Education
Board

Expert Group Assignment

- Large groups should divide into two smaller groups with each group creating a chart for the component
- Use the markers to chart
- Time: approximately 20 minutes

Suggestions	Resources	Challenges	Points	Ideas

Protocol for Walk-About

- Groups rotate through post-it wall charts stopping to hear from the expert
- Three min – first person shares the information related to their dimension while other group members listen, take notes
- Two min – group members ask clarifying questions, add other ideas and discuss this dimension
- Continue until all dimensions are shared

Remaining Time....

SREB

Southern
Regional
Education
Board

Rotate Please! 😊

Planning Document

- Connection to *District Math Program Rubric*
- Different groups plan differently! – top page may be where you begin or it may be your summary
- Dimension pages are for the details!

In order to make a change in society, one must first become the change.

-Ghandi

Strategies that Support Standards-Based Curriculum Implementation

Which purpose best fits your current need in professional development?

Developing awareness

Building knowledge (content)

Translating into practice

Practicing Teaching

Reflecting

How can these strategies be mapped to curriculum implementation?

SREB

Developing Awareness	Study Groups
Building Knowledge	Immersion into Content
Translating into Practice	Case Discussions
Practicing Teaching	Examining Student Work
Reflecting	Action Research

Southern
Regional
Education
Board