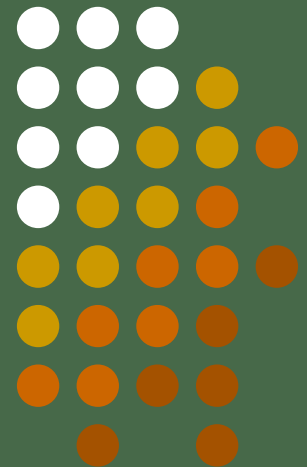


PREPARING TEACHERS TO PROMOTE YOUNG CHILDREN'S MATHEMATICAL COMPETENCE

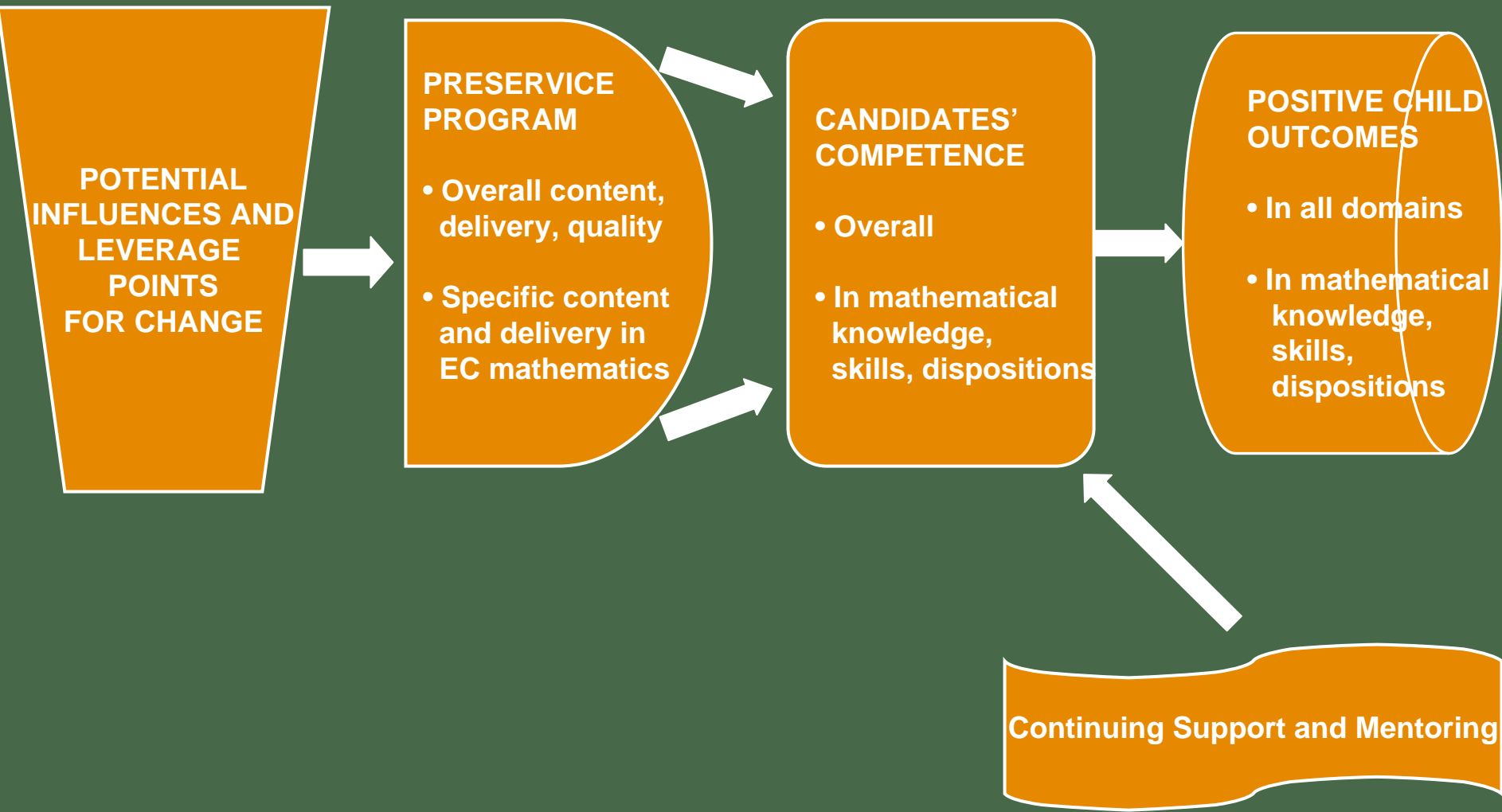
Marilou Hyson, Ph.D.

Presentation to the
Committee on
Early Childhood Mathematics
The National Academy of Sciences
November 30, 2007





Preservice Teacher Education: On the Pathway to Positive Mathematics Outcomes for Young Children



Contexts for Early Childhood Teacher Education



- General Features
- Overview of Trends and Issues in Early Childhood Teacher Preparation
- Who Are the Children That Future Teachers Will Teach?

Current Status of Mathematics Within Early Childhood Teacher Preparation



- Requirements for Mathematics Preparation
- Methods and Models for Developing Candidates' Knowledge, Skills, Dispositions
- Assessment of Candidates Mathematics Competencies

Influences and Leverage Points for Change



- State Licensure/Teacher Certification Requirements
- National “Teacher Tests”
- States’ Early Learning Standards
- National Standards for, and Accreditation of, Preservice Programs
- State Competencies for Teachers
- Faculty Pipeline and Knowledge Base

Conclusion

