AGENDA

8:30–9:00 am Registration (Coffee served) AMPHITHEATER FOYER

9:00–9:30 Welcome and Opening Remarks AMPHITHEATER
  • Joan Ferrini-Mundy, Assistant Director, Directorate for Education and Human Resources, National Science Foundation
  • Claudine Brown, Assistant Secretary for Education and Access, Smithsonian Institution

9:30–10:30 Issues and Opportunities in PreK–3 STEM Education—Plenary Presentation AMPHITHEATER
  • Moderator: Janice Earle, National Science Foundation
  • Panelists: Susan Carey, Harvard University; Doug Clements, University of Denver; Kimberlee Kiehl, Smithsonian Early Enrichment Center; Karen Worth, Wheelock College

10:30–10:45 Break AMPHITHEATER FOYER

10:45–12:00 Focusing on PreK–3 STEM Education—Breakout Sessions
  • Self-Regulation and Cognitive Control: Why Executive Functions Matter for Early STEM Education: Susan Carey, Harvard University MERIDIAN D
  • Supporting the Development of Models and Modeling: Richard Lehrer, Vanderbilt University; Liz Penner, Verona Area School District, WI POLARIS A
  • Supports for Preschool STEM Learners and the Teachers Who Teach Them: Kimberly Brenneman, National Institute for Early Education Research MERIDIAN C
  • Technology and the Future of Preschool: Developmentally Appropriate and Evidence-Based Approaches to Integrating Technology in the Classroom: Phil Vahey and Ximena Domínguez, SRI International; Ashley Lewis Presser, Education Development Center, Inc. POLARIS C
  • The Building Blocks of Math: Doug Clements and Julie Sarama, University of Denver MERIDIAN E
  • The Young Scientist: Teaching and Learning Science in Preschool Classrooms: Karen Worth, Wheelock College; Jeff Winokur, Education Development Center, Inc. POLARIS B

12:00–12:15 pm Break AMPHITHEATER FOYER
12:15–1:45 Networking (Lunch served) AMPHITHEATER FOYER
Frontiers and Challenges of Early Childhood Research—Plenary Presentation AMPHITHEATER
- **Speaker: Deborah Phillips**, Professor, Georgetown University

1:45–2:00 Break AMPHITHEATER FOYER

2:00–3:15 Focusing on PreK–3 STEM Education—Breakout Sessions
- **Anywhere STEM Exploration: Supporting STEM Learning in Formal and Informal Settings with PEEP and the Big Wide World**: Kate Taylor and Mary Haggerty, WGBH MERIDIAN E
- **Playscapes: Designed Nature Environments to Promote Informal Science Learning**: Victoria Carr, Catherine Maltbie, and Leslie Kochanowski, University of Cincinnati MERIDIAN D
- **Ramps and Pathways: Integrating Physical Science and Engineering in Early Childhood**: Betty Zan, University of Northern Iowa POLARIS B
- **Scaffolding Young Math Learners to Be Effective Spatial Problem Solvers**: Beth Casey, Boston College POLARIS C
- **The Missing T & E in Early Childhood STEM: Young Children as Programmers and Engineers**: Marina Bers, Amanda Strawhacker, and Amanda Sullivan, Tufts University MERIDIAN C
- **Young Children Explore the World: Seriously Amazing Experiences at the Smithsonian**: Kimberlee Kiehl, Smithsonian Early Enrichment Center; Ann Caspari, Smithsonian Institution POLARIS A

3:15–3:30 Break AMPHITHEATER FOYER

3:30–4:00 Reflections and Implications—Plenary Presentation AMPHITHEATER
- **Moderator: Natalie Nielsen**, National Research Council
- **Panelists: Amy Beal**, Anne Arundel County Public Schools, MD; **Amy Reese**, Howard County Public Schools, MD

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