Next Generation Preschool Math Demo: Tablet Games for Preschool Classrooms

Christine Zanchi, Ed.M. (WGBH), Ashley Lewis Presser, Ph.D. (EDC), & Philip Vahey, Ph.D. (SRI)

Sara Skates

Birthday Cafe

Bubble Fun

Jungle Gym

Project Goals

The Next Generation Preschool Math (NGPM) project is a collaboration between researchers and media developers to develop a two-unit preschool math curriculum supplement that supports young children’s learning of subitizing and equipartitioning.

The NGPM Curriculum

- Units blend digital and non-digital activities, and integrate individual, paired, small group, and whole-class activities.
- Digital Games (iPad)
  - 2 Self-leveling digital games per unit
  - 1 Collaborative digital game per unit
  - 1 Digital Sandbox activity per unit
- Non-digital Classroom Activities
  - Priming activities
  - Action songs and fingerplays
  - Read-aloud books
  - Learning center activities
  - Playground and snack activities

Acknowledgements & Further Information

This research was funded by the National Science Foundation (DRL-1119118). Any opinions, findings, conclusions, or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation. We thank the others who have provided valuable feedback on the project so far — Art Baroody, Doug Clements, Herbert Ginsburg, Julie Sarama, and X. Christine Wang. The authors would like to acknowledge the contributions of their colleagues on the project — Brian Molito, Co-Steering Experts (left to right): Giovanna Duschl, Wendy Fehr, Mary Haggerty, Julie Kelle, Joelle Lathrop, Frank LeCain, Hannah Lack, Kallas Lachance, Christie Liben, Liz McTighe, Mark Norris, & Tash White. Special thanks go to the children, teachers, and center directors that participate in our ongoing testing of these activities.

Christine Zanchi (christine_zanchi@wgbh.org)        Ashley Lewis Presser (alewis@edc.org)              Philip Vahey (philip.vahey@sri.com)