Next Generation Preschool Math Project
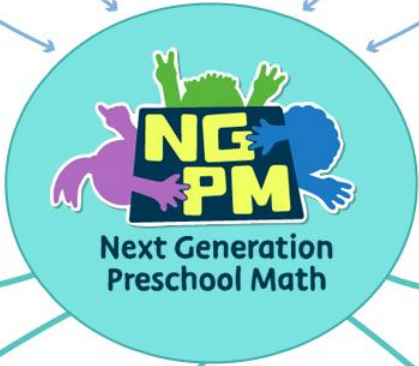
* **Goal:** To design, develop, and test a curriculum supplement
  * Unit 1: subitizing
  * Unit 2: equipartitioning
* **Key Features:**
  * Each unit is 2 weeks long
  * Digital (ipad) + non-digital activities (1:5 ratio)
  * Learning activities conducted in groups, pairs, or individually
  * Digital Teachers Guide

Researchers • **Producers** • **Preschoolers** • **Teachers** • **Advisors**

NG PM
Next Generation Preschool Math

4 SUBITIZING IPAD APPS

- SARA SKATES
- BIRTHDAY CAFÉ
- JUNGLE GYM
- BUBBLE FUN

4 EQUIPARTITIONING IPAD APPS

- BREAKFAST TIME
- LEMONADE STAND
- PHOTO FRIENDS
- PARK PLAY

TEACHER'S GUIDE

Subitizing Unit Pathway

- Professional Development
- Lesson Plans and Activities
- Student Progress and Profiles
- Standards

SUBITIZING NON-DIGITAL MATERIALS

- Games
- Daily Routines and Outdoor Play
- Videos
- Books
- Hands-On Activities
- Finger Play and Rhymes

EQUIPARTITIONING NON-DIGITAL MATERIALS

- Games
- Daily Routines and Outdoor Play
- Videos
- Problem of the Day
- Hands-On Activities
- Finger Play and Rhymes
- Books

What's in a Unit?

* ***Digital Games (iPad)***
  * 2 Self-leveling digital games
  * 1 Collaborative digital game
  * 1 Digital Sandbox activity
* ***Non-digital Classroom Activities***
  * Priming activities
  * Action songs and fingerplays
  * Read-aloud books
  * Transition or priming
  * Learning center activities
  * Playground and snack activities

What Does Technology in Preschool Look Like?

Teaser Findings from a Small RCT

- Positive Learning Outcomes on Subitizing and Equipartitioning!
- Teachers felt prepared by Professional Development