Engage preschoolers in STEM activities with

PEEP and the Big Wide World

Presenters from WGBH:
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Today’s Agenda

- Overview of the PEEP multimedia project
- Educational outreach opportunities
- Let’s Explore Plants
- Your questions
**PEEP: Hatching new scientists every day!**

- **Proven record** of advancing PreK science and math education
- **1st media project** to feature exploration-based science and math curriculum for PreK
- One of only a few series to win **Emmy in first season**
- Uniquely offers both **English and Spanish** educational resources
PEEP’s goals

• Model inquiry process skills

• Encourage parents and caregivers to support children’s hands-on science and math explorations

• Provide resources for partner organizations like Head Start, NEA, and Child Care Aware (formerly NACCRAA)
The Broadcast

- Half hour format
  - 2 animated stories followed by related live action segments
  - Uniquely blends story with science and math content; not didactic

- Joan Cusack narrates
To date, we have created:

- 110 animated stories
- 110 live-action segments
- 15 online games
- 97 offline “Anywhere Science and Math” activities
Millions of 3- to 5-year-olds impacted by:

- Viewing the series
- Doing science activities in PreK classrooms, libraries, museums, or at home
- Visiting Website with parents
“Anywhere Science and Math”
Measurable impact on kids

Children exposed to *Peep* demonstrated science inquiry skills not seen in the control group including:

- Initiating **predictions**
- Making **observations**
- Applying **problem-solving strategies** and successfully solving problems
Impact on teachers:

- Teachers became more involved over time with each topic
- Reported more confidence leading science inquiry
- Taught math more frequently during the science activity
- Asked children more open-ended questions
- Used video with intentionality
Educational outreach targets

- Early childhood educators
  - @ camps, museums, and libraries
  - in classrooms
  - center and family based daycare

- Parents
  - Spanish speakers
For Spanish speakers

Translated episodes play full-screen

Family activity and book suggestions
Explorer’s Guide at peepandthebigwideworldworld.org/resources

- 6 thematic units for exploring science
- Online videos (full-screen; English and Spanish)
- Family take-homes about science (English/Spanish)
Let’s Explore:

Activity from Plants Unit
• Learning across domains
• Challenge: sort seeds in as many different ways as you can
peepandthebigwideworld.org
Sneak Peek:

PEEP’s World/El Mundo de PEEP

Website becomes a Digital Hub in both English and Spanish
  – Playlists for kids and families
  – Professional development for family childcare and center-based educators
Questions?

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