



Engage preschoolers in
STEM activities with

PEEP and the **Big Wide World**™

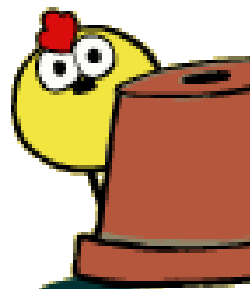
Presenters from WGBH:

Kate Taylor, Children's Programming
Gay Mohrbacher, Education Dept.



Today's Agenda

- Overview of the *PEEP* multimedia project
- Educational outreach opportunities
- Let's Explore Plants
- Your questions



WGBH



NOVA
scienceNOW™



as built on TV™



Coming in April 2014

Engineer **Your Life**™
Dream big. Love what you do.

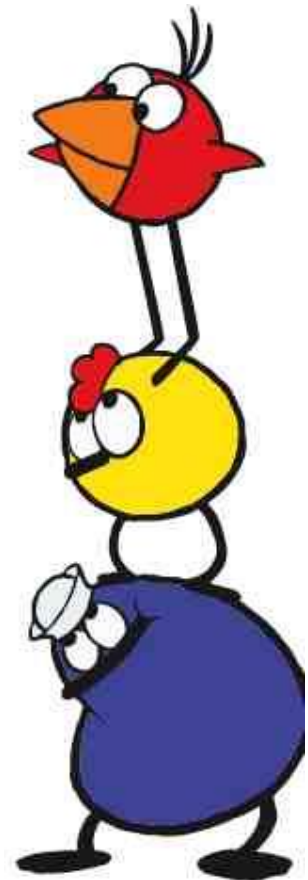
NOVA





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 NACCRRA)





The Broadcast



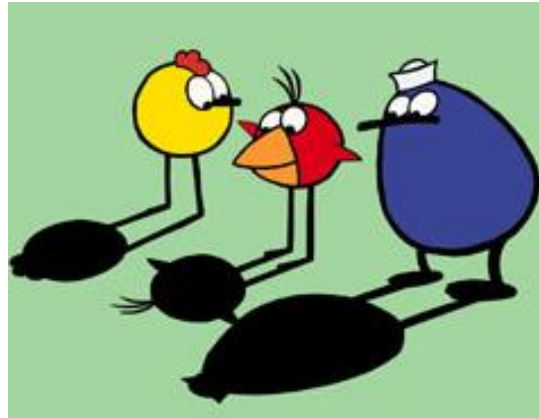
- Half hour format
 - 2 animated stories followed by related live action segments
 - Uniquely blends story with science and math content; not didactic

- 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



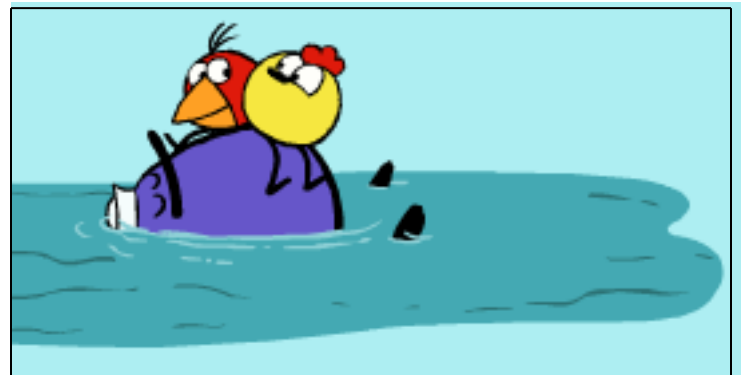


Millions of 3- to 5-year olds impacted by:



- 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

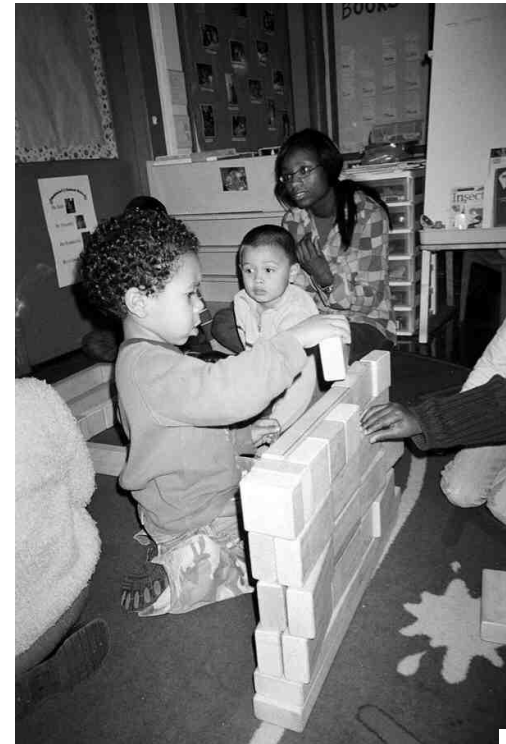
Children exposed to *Peep* demonstrated science inquiry skills not seen in the control group including:

- 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

Videos de PEEP Explorer's Guide

En pantalla **Cómo cambian las sombras** English | Español

- Videos relacionados
- [Se hizo la luz](#)
- [Hagamos sombras](#)
- [Juguemos con títeres de sombras](#)
- [Más videos](#)



pantalla completa

Translated episodes play full-screen

Family activity and book suggestions

PEEP and the Big Wide World **Aprendamos más sobre el color**

Leer y descubrir
Acudan a la biblioteca y busquen estos libros. Pídanle a la bibliotecaria que les recomiende otros libros.

Azul: Mira el azul que te rodea de Sarah L. Schuette
Capstone Press, 2003
Llamativas fotos de cosas de color azul. Uno de una serie que incluye libros sobre el azul, el amarillo y el morado. ¡Léanlos todos!

Pintura de ratón de Ellen Stoll Walsh
Harcourt, 2006
Tres ratones curiosos se divierten jugando con pinturas llamativas. Las mezclan para crear colores nuevos.

Hagan clic y exploren

Plata de pintura: juego en internet peepandthebigwideworld.org
Hagan clic en Games, luego escogan el dibujo del Quack morado parado delante de un trafo de anaranjado y rojo.

Ayúdenle a Quack a mezclar pinturas para lograr el color que tiene Chtrp. Después de cada intento se hace clic en la manguera para lavar la cerca y recibir una tarjeta de otro color.

Un Peep de otro color: Video de Peep peepandthebigwideworld.org/espanol
En la Unidad 4: Exploren los colores hagan clic en el video A Peep of a Different Color (Un Peep de otro color).

Miren este cuento animado de Peep sobre los colores. Se encuentra en español. Luego hagan clic en el otro video (con banda sonora en español) para ver a ritmos de la vida real que exploran el color en casa y afuera.

WGBH PBS, TV Ontario, NORTHERN SUNSHINE FOUNDATION





Explorer's Guide at peepandthebigwideworld.org/resources



- **6 thematic units** for exploring science
- **Online videos** (full-screen; English and Spanish)
- **Family take-homes** about science (English/Spanish)

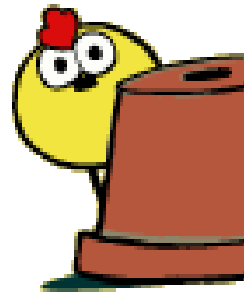




Let's Explore:

Activity from Plants Unit

- Learning across domains
- Challenge: sort seeds in as many different ways as you can





peepandthebigwideworld.org

PEEP and the Big Wide World

http://www.peepandthebigwideworld.com/

Most Visited - Getting Started - Latest Headlines - Rose Lane Cottage - Town of Winchester - WGBH InnerTube - M - Fiesta

PEEP and the Big Wide World

activities & more | games | music & videos | resources: [español](#) | [about PEEP](#) | [site map](#)

Watch PEEP now!

ROUND AND ROUND

- Put the stages of the cycles in order.

ANYWHERE SCIENCE

- Explore science and math anytime!

VEA PEEP EN ESPAÑOL

- Veá PEEP en V-me a partir de marzo. Puede verlo en Internet ya mismo.

Watch PEEP on public television stations nationwide and on TVOntario. Check local listings.
Can't find PEEP on your TV? [Click here.](#)

WGBH | STORY | TVOntario | American Public Television | V-me |





Sneak Peek:

PEEP's World/EI 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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