

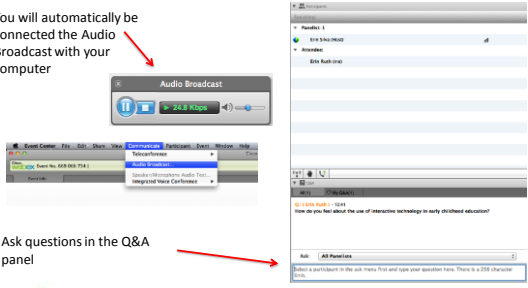






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Technology and Digital Media in the Early Years: Tools for Teaching and Learning



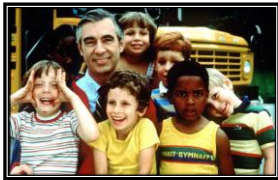
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25 Contributing Authors

- Ed Greene
- David Kleeman
- Alice Wilder
- Hedda Sharapan
- Roberta Schomburg
- Warren Buckleitner
- Michael Robb
- Alexis Lauricella
- Faith Rogow
- **Lisa Guernsey**
- **Michael Levine**
- Karen N. Nemeth
- Howard P. Parette
- Craig Blum
- Kate Highfield
- Mark Baily
- Bonnie Blagojevic
- Brian Puerling
- Angela Fowler
- Tamara Kaldor
- Luisa M. Cotto
- Cen Campbell
- Carisa Kluver
- Amanda Armstrong



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Follow Fred's lead...Use tech "with" rather than "instead of"

We have to help give children tools, building blocks for active play. And the computer is one of those building blocks. No computer will ever take the place of wooden toys or building blocks. But that doesn't mean they have to be mutually exclusive.

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What Matters Most?

- Relationships and social-emotional development matter
- Child development, DAP and ECE "essentials" matter
- Lisa's 3Cs – Content, Context and Child matter
- Creating media matters
- Digital media literacy matters
- Learning beyond the screen matters



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From the Joint Position Statement

Technology and interactive media are tools that can promote effective learning and development when they are used intentionally by early childhood educators, within the framework of developmentally appropriate practice to support learning goals established for individual children.



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Pioneering Literacy in the Digital Age



Lisa Guernsey

Director, Early Education Initiative
Director, Learning Technologies Project
New America

<http://www.edcentral.org/earlyed/>



Michael Levine, PhD

Founding Director
Joan Ganz Cooney Center at Sesame Workshop
<http://www.joanganzcooneycenter.org>



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Pioneering Literacy in the Digital Age

When used well, digital media can enable access to information and stories, while also connecting schools, teachers, students, and families within neighborhoods, around the nation and around the world...

...This culture simultaneously requires a host of new literacy skills and affords a dramatic re-envisioning of learning environments for both children and teachers. Even young children are able to not only access but also produce content that can be shared and reacted to by a community beyond the classroom. New technologies also offer possibilities for augmenting traditional approaches to instruction, as well as providing more assistance to parents. They can help us develop mixed models that blend in-school and informal, out-of-school learning.



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To begin our conversation...

What is the media landscape today?

How are young children using digital media?

What are they learning from it?

What should educators and families do?



Media Overload?



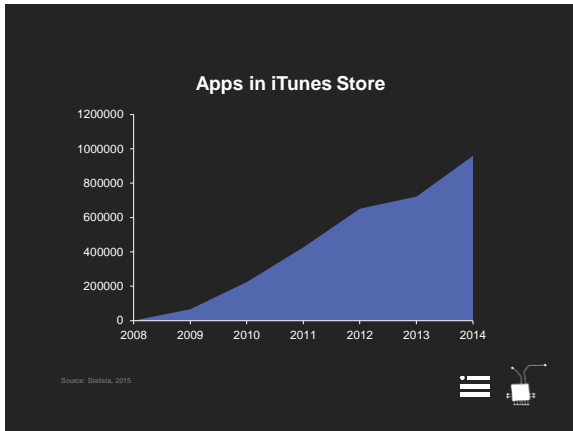
A Silicon Valley School That Doesn't Compute

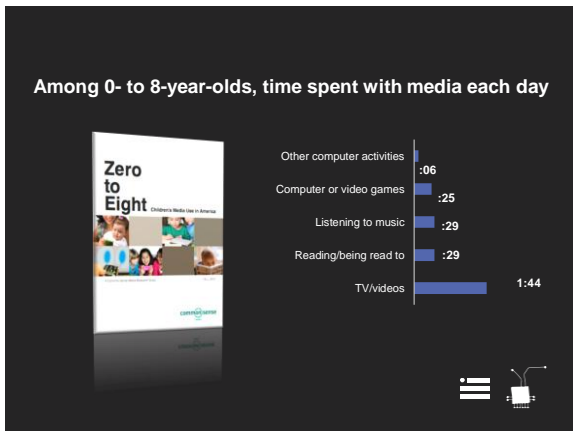


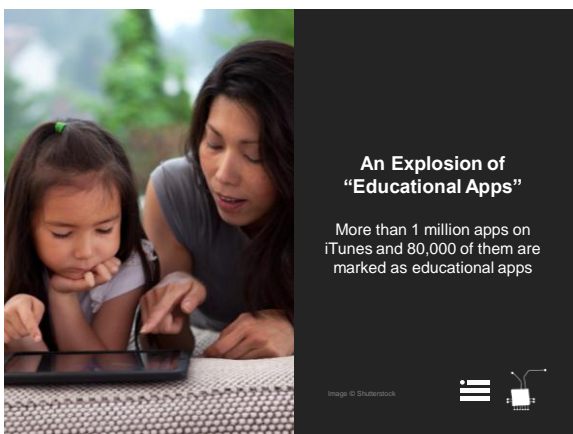
BY JEFFREY J. GROSS
PHOTOGRAPH BY JEFFREY J. GROSS
ILLUSTRATION BY JEFFREY J. GROSS

When the Silicon Valley school district in California first opened its doors in 2012, it was hailed as a model of innovation. The school, named after the district's namesake, was designed to be a place where students could learn at their own pace, using a variety of digital tools and resources. But as the school's first year of operation drew to a close, a growing number of parents and educators began to voice their concerns. They argued that the school's focus on technology was at the expense of other important aspects of education, such as social skills, critical thinking, and creativity. In this article, we explore the challenges facing the school and the potential solutions.









How is the early childhood field responding?

How can Lisa's 3Cs framework help educators and parents think about young children, technology and digital media?





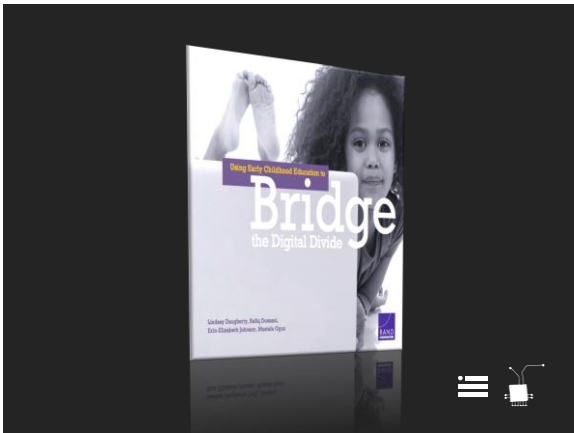
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Strengthening Teaching and Learning





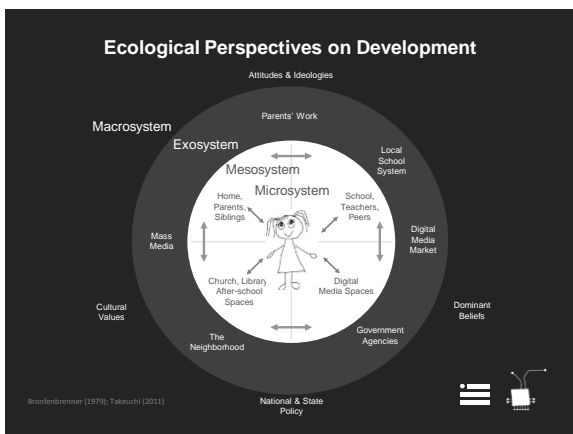






What has your research and analysis shown you about the intersection of child development, early learning, early literacy and digital media?





The New Co-Viewing



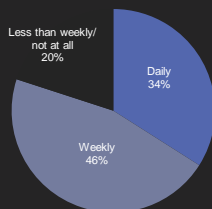
Joint Media Engagement



2012-2014: The Digital Wild West



Among 2-10 year-olds, percent who use educational media...



Source: The Families and Media Project, Joan Ganz Cooney Center.



Differences by Race and Ethnicity

Hispanic/Latino parents are most likely to want more information about educational media.

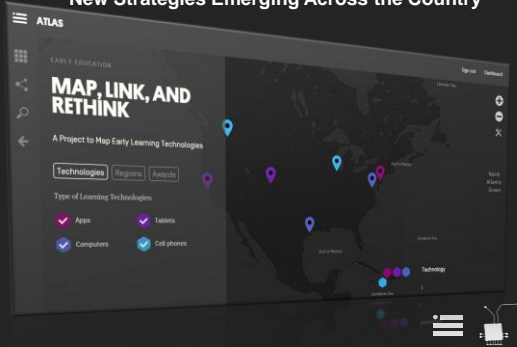
Among parents of 2-10 year-olds, percent who want more information about the best educational media for their children.



Source: The Families and Media Project, Joan Ganz Cooney Center.

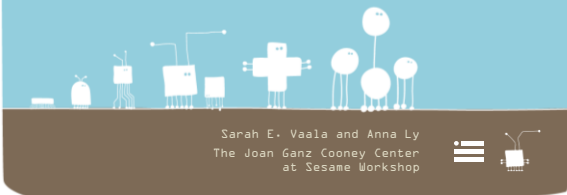


New Strategies Emerging Across the Country

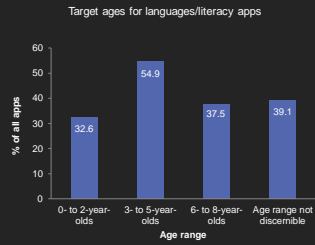


What's In Store

Scanning descriptions of popular and award-winning kids' language and literacy apps

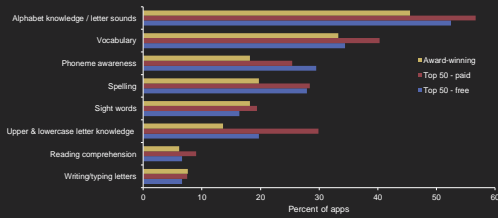


Abundance of literacy apps for 3- to 5-year-olds



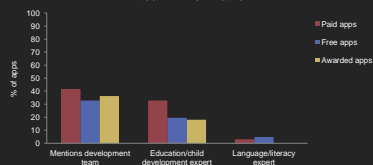
What apps aim to teach: basic skills

Most common language/literacy skills targeted in apps

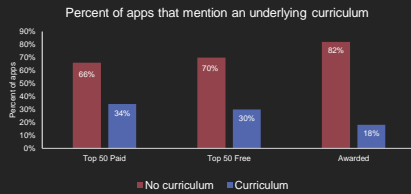


Revealing almost no information about who is doing the developing

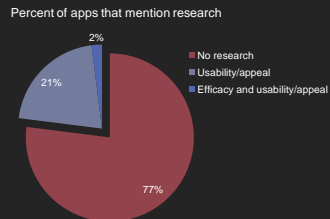
Percent of apps that provide development team information



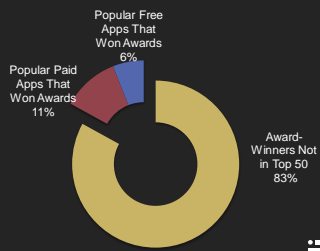
Curriculum? Rarely mentioned.



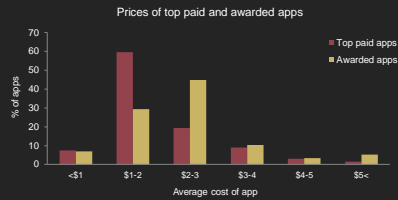
Little information on how apps are tested



Of the top-50 most popular apps, very few won awards



Award-winning apps cost a little more than popular paid apps



Seeding Reading

A New America & Cooney Center Project Focused on Advancing Children's Literacy in a Digital Age. [Read More](#)



At the White House: Mapping Innovations to 'Bridge the Word Gap'

Today the White House Office on Science and Technology is hosting a group of policymakers, researchers, and early childhood advocates to exchange ideas on how to help foster language



A Snapshot of Kids' Language and Literacy Apps [Part 2]

About a month ago, we released a sneak preview of the literacy app analysis that we're conducting with New America to discover more about the apps that families and



More than Ebook vs. Print: The Concept of 'Media Mentors'

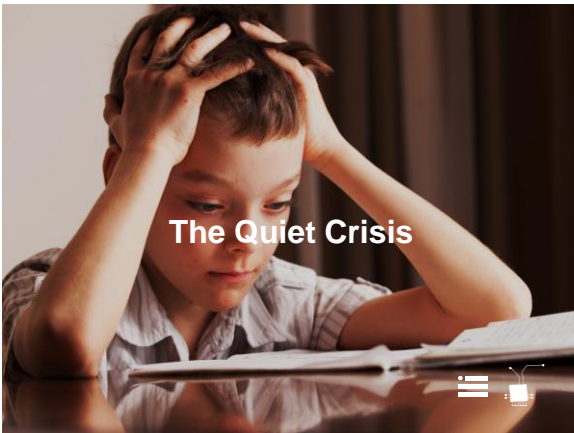
This summer, the School Library Journal stoked a debate long simmering in libraryland. Print books or ebooks. Which are better for helping children learn to read? Children's librarians have

It's clear we have a lot of work to do, but you've also given us hope and identified potential paths forward.

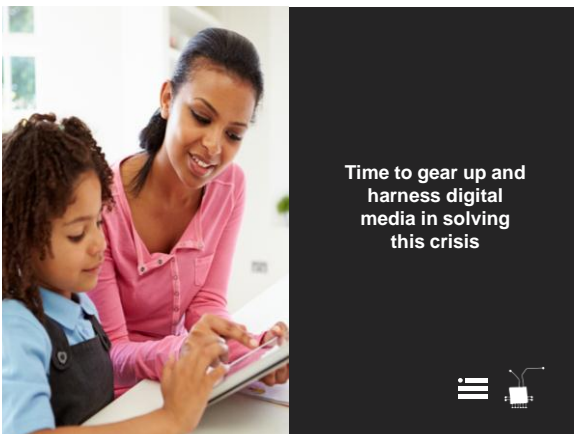
Based on your research, the book chapter and your upcoming book, TAP CLICK READ, what are some of the most promising practices and emerging technologies that are connecting the dots between child development, learning, language development, literacy, reading and digital media for 21st century teaching and learning?







The Quiet Crisis



Time to gear up and
harness digital
media in solving
this crisis

iPads and Family Literacy in Maine
Comienza en Casa | It Starts At Home



What does all of this mean for early
childhood educators and parents?



Recommendations for Educators and Parents

- Develop a Tap, Click, Read mindset
- Think literacies, plural
- Use the Three C's
- Seek opportunities for joint engagement with media
- Do not create isolated "tech" time
- Partner with librarians and media specialists



Recommendations for Mobilizing Action

- Push for high-quality early learning across the 0-8 continuum
- Demand equity in digital infrastructure
- Equip and deploy media mentors to help teachers and parents be more selective
- Recognize the power of coalitions of parents, educators, and community leaders as advocates for change
- Imagine READIALAND



READIA LAND



Thanks to Our Funders



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- Foundation for Child Development
- Alliance for Early Success
- Bill & Melinda Gates Foundation
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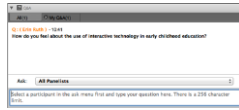


Q & A



erikson with Lisa Guernsey &
TEC Center Michael H. Levine, Ph.D

Ask questions in the Q&A panel



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Upcoming Conversations/Webinars

- **Technology as a Tool for Social-Emotional Development: What We Can Learn from Fred Rogers' Approach**
with Hedda Sharapan
May 28, 2015 1:00 pm – 2:30pm CST
- **Connecting Child Development and Technology: What We Know and What It Means**
with Alexis Lauricella, Ph.D. & Michael Robb, Ph.D.
August 12, 2015 1:00pm – 2:30pm CST
- **Technology Tools for Strengthening Communities**
with Luisa Cotto
October 14, 2015 1:00pm – 2:30pm CST



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