Curated Resources on Technology and the Young Child
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The TEC Center at Erikson Institute empowers early childhood educators to make informed decisions about the appropriate use of technology with children from birth to age 8. Through carefully selected resources and real-world examples, the Center strengthens educators’ digital literacy and their ability to intentionally select, use, integrate, and evaluate technology in the classroom and other early childhood settings. The TEC Center was launched with the support of The Boeing Company.

Learn more... TEC Center
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Technology and Interactive Media as Tools in Early Childhood Programs Serving Children from Birth through Age 8
NAEYC & Fred Rogers Center for Early Learning and Children’s Media at Saint Vincent College, Joint Position Statement. 2012.

Key Messages
Examples of Effective Practice
Technology That Supports Early Learning
• Digital Story Helps Dual Language Learner Connect with Classmates
• Virtual Tour of the Titanic Helps a Kindergartner Make Social Connections and More
• Supporting Family Involvement and Readiness for Migrant Children

Learn more... NAEYC Technology and Young Children

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.

Fred Rogers, 1985
Books to read

- Guernsey, L., & Levine, M. 2015. *Top, Click, Read: Growing Readers in a World of Screens.* NEW
- Puerling, B. 2012. *Teaching in the Digital Age: Smart Tools for Age 3 to Grade 3.*

Selected blogs

- *Ask the Mediatrician,* Center on Media and Child Health, Dr. Michael Rich
- *Joan Ganz Cooney Center*
- *EdCentral Early Ed,* New America
- *Every Chance to Learn,* Dr. Kristy Goodwin
- *Fred Rogers Center*
- *Innovate, Ignite, Inspire,* Kristin Ziemke
- *Language Castle Blog,* Karen Nemeth
- *Mind/Shift,* KQED
- *Raising Digital Natives,* Dr. Devorah Heitner
- *The Spoke,* Early Childhood Australia
- *Technology Rich Inquiry Based Research,* Diane Kashin

Selected blog posts, articles and reports on technology in the early years

- *Aprendiendo en casa: media as a resource for learning among hispanic-latino families,* Joan Ganz Cooney Center, 2015
- *The AVG Digital Diaries 2015 & Infographic,* AVG, 2015
- *Bringing the Tech Revolution to Early Learning,* Homeroom blog, US DOE, Libby Doggett, 2014
- *Can An App Teach Empathy and Mindfulness?* Fred Rogers Center blog, Kathleen Costanza, 2014
- *Can You Turn Screen Time into Family Time?* Joan Ganz Cooney Center, 2014
- *Checklist for Identifying Exemplary Uses of Technology and Interactive Media for Early Learning,* PA DML Project
- *Common Sense, Science-Based Advice on Toddler Screen Time. Finally!* Slate, Future Tense Blog, Lisa Guernsey, 2014
- *Developmentally Appropriate Technology,* Teaching Strategies Blog, 2014
- *Differences in Hispanic-Latino Families Access to and Use of Educational Media,* New America, 2015
- *Digital Media Literacy for Early Childhood Educators,* Fred Rogers Center Blog, Chip Donohue, 2014
- *Diversity in Children’s Media Is More Than Just Race or Gender,* Fred Rogers Center Blog, Kevin Clark, 2013
- *Early Connections: A Parent Education Toolkit for Early Childhood Providers,* Commons Sense Media, 2014
- *Early Education, Technology and the Role of NAEYC,* NAEYC Blog, Rhian Evans, 2014
- *Envisioning a Digital Age Architecture for Early Education,* Lisa Guernsey, New America, 2014
- *Exploring Play and Creativity in Pre-Schoolers’ Use of Apps,* Lydia Plowman, TAP, University of Sheffield
- *Family Engagement in Anywhere, Anytime Learning, Harvard Family Research Project,* M. Elena Lopez, Margaret Caspe, 2014
- *Family Time with Apps: A Guide to Using Apps with Your Kids,* Joan Ganz Cooney Center (Available from the iTunes store)
- *Interactive Media Use at Younger Than the Age of 2 Years: Time to Rethink the American Academy of Pediatrics Guidelines?* Dimitri Christakis, 2014
• **Learning at Home: Families’ Educational Media Use in America**, Joan Ganz Cooney Center, 2014
• **Moving From Child Advocacy to Evidence-Based Care for Digital Natives**, Michael Rich, 2014
• **Parenthood in the Age of Digital Technology**, Center for Media and Human Development, 2013
• **Screen Sense: Setting the Record Straight – Research-based Guidelines for Screen Use for Children Under 3 Years Old**, Zero to Three, 2014
  • **Screen Sense: Setting the Record Straight**
  • **Key Research Findings**
  • **Tips for Using Screen Media with Young Children**
  • **5 Myths about Young Children and Screen Media**
• **Sparking Kid’s Imaginations with Digital Toys**, Jim Gray, Toca Boca Magazine
• **Tech in the Early Years: What Do We Know and Why Does It Matter?**, Fred Rogers Center Blog, Chip Donohue, 2014
• **Technology in Early Education**, Lisa Guernsey for the Education Commission of the States, 2012
  • **Part One: A Healthy Digital Diet: Three Tips for Balancing Screen Time for Kids**
  • **Part Two: Building Blocks for a Nourishing Digital Diet**
  • **Part Three: Bridging the Digital Divide: Practical Resources for Educators**
  • **Part Four: Grey Matter: Child Development and Technology**
  • **Part Five: Social Interaction and Collaborative Learning**
• **Transforming the workforce for children birth through age 8” A unifying foundation**, Institute of Medicine and National Research Council of the National Academies, 2015
• **Uses of technology to support early childhood practice**, Office of Planning, Research and Evaluation, ACF, 2015
• **Using Early Childhood Education to Bridge the Digital Divide**, RAND Corporation Reports, 2014
  • **Moving Beyond Screen Time: Redefining Developmentally Appropriate Technology Use in ECE**
  • **Getting on the Same Page: Identifying Goals for Technology Use in Early Childhood Education**
• **How Much and What Kind? Identifying an Adequate Technology Infrastructure for Early Childhood Education**
• **Getting Early Childhood Educators Up and Running: Creating Strong Technology Curators**
• **Families, Powered On: Improving Family Engagement in Early Childhood Education Through Technology**
• **Using technology appropriately in the preschool classroom**, HighScope, 2015
• **What Does Children’s “Obsession” With Technology Tell Us About What They Really Need?** Fred Rogers Center blog, Michael Robb & Junlei Li, 2014
• **What Makes An App Educational?**, Fred Rogers Center blog, Michael Robb, 2015
• **Young Children, New Media, and Libraries: A Guide for Incorporating New Media into Library Collections, Services, and Programs for Families and Children Ages 0-5** A crowdsourced book from Little eLit, 2015
• **Young children (0-8) and digital technology**, JRC Science and Policy Reports, Office of the European Union, 2015

**Selected links to recent readings and research on technology and young children**


Perhaps it is the blending and balancing of interactive technology and interactions with others that offers the most promise for effective and appropriate uses of technology in the early years—closely connecting Fred Rogers’ approach with our emerging understanding of appropriate and intentional use of digital media to support early learning.

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

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