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# Preschool Technology In The Classroom

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Young Children and Families in the Information Age  
 Teaching in the Digital Age  
 Mobile Technologies in Children's Language and Literacy  
 Transdisciplinary Play-based Assessment  
 Inquiry Into Math, Science, and Technology for Teaching Young Children  
 The Intentional Teacher  
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*Preschool Technology In The Classroom*

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## ABBEY CALLAHAN

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Young Children and Families in the Information Age Gryphon House, Inc.

More than 30 highly respected experts contribute cutting-edge information to give readers a comprehensive look at early education and kindergarten transition.;

**Teaching in the Digital Age** National Academies Press  
 Young children and teachers both have active roles in the learning process. How do preschoolers learn and develop? What are the best ways to support learning in the early years? This revised edition of *The Intentional Teacher* guides teachers to balance both child-guided and adult-guided learning experiences that build on children's interests and focus on what they need to learn to be successful in school and in life. This edition offers new chapters on science, social studies, and approaches to learning. Also included is updated, expanded information on social and emotional development, physical development and health, language and literacy, mathematics, and the creative arts. In each chapter are many practical teaching strategies that are

illustrated with classroom-based anecdotes. *The Intentional Teacher* encourages readers to- Reflect on their principles and practices- Broaden their thinking about appropriate early curriculum content and instructional methods- Discover specific ideas and teaching strategies for interacting with children in key subject areas. Intentional teaching does not happen by chance. This book will help teachers apply their knowledge of children and of content to make thoughtful, intentional use of both child-guided and adult-guided experiences.

Mobile Technologies in Children's Language and Literacy IGI Global

Children are already learning at birth, and they develop and learn at a rapid pace in their early years. This provides a critical foundation for lifelong progress, and the adults who provide for the care and the education of young children bear a great responsibility for their health, development, and learning. Despite the fact that they share the same objective - to nurture young children and secure their future success - the various practitioners who contribute to the care and the education of children from birth through age 8 are not acknowledged as a workforce unified by the common knowledge and competencies needed to do their jobs well. *Transforming the Workforce for*

Children Birth Through Age 8 explores the science of child development, particularly looking at implications for the professionals who work with children. This report examines the current capacities and practices of the workforce, the settings in which they work, the policies and infrastructure that set qualifications and provide professional learning, and the government agencies and other funders who support and oversee these systems. This book then makes recommendations to improve the quality of professional practice and the practice environment for care and education professionals. These detailed recommendations create a blueprint for action that builds on a unifying foundation of child development and early learning, shared knowledge and competencies for care and education professionals, and principles for effective professional learning. Young children thrive and learn best when they have secure, positive relationships with adults who are knowledgeable about how to support their development and learning and are responsive to their individual progress. Transforming the Workforce for Children Birth Through Age 8 offers guidance on system changes to improve the quality of professional practice, specific actions to improve professional learning systems and workforce development, and research to continue to build the knowledge base in ways that will directly advance and inform future actions. The recommendations of this book provide an opportunity to improve the quality of the care and the education that children receive, and ultimately improve outcomes for children.

#### Transdisciplinary Play-based Assessment Conran Octopus

Across the curriculum, Teaching in the Digital Age for Preschool and Kindergarten will guide teachers toward integrating technology so it has an authentic, meaningful, and developmentally appropriate impact on children's exploration and learning. By discipline—including science, math, literacy, art, social studies, health and safety, physical education, and music—it will motivate teachers to dig deeper into each content area to see the various ways technology and digital media can support and strengthen children's learning, as well as documentation and assessment.

#### **Inquiry Into Math, Science, and Technology for Teaching Young Children** Brookes Publishing Company

Innovative strategies that help early childhood educators utilize the latest technology to teach, document, assess, and exhibit children's learning.

#### **The Intentional Teacher** Redleaf Press

iPads, mobile phones, tablets and many other digital devices feature in the lives of children from the moment they are born, but what is the place of these technologies in children's early years and learning experiences? In the age of the 'Techno-Tot' this edited collection focuses on exploring the potential of what children can do with technologies, rather than what technologies can do for children. With chapters written by a range of international authors, this book: offers an evidence-based discussion of children's experiences with technologies in early years education broadens our understanding of technologies in early years, beyond the typical focus on screen-based media details the child's 'story' with technology offers a range of case studies from the UK, USA, Australia and Europe. Lorna Arnott will be discussing key ideas from Digital Technologies and Learning in the Early Years in the SAGE Early Years Masterclass, a free professional development experience hosted by Kathy Brodie.

**Children's Learning From Educational Television** Routledge Education is the key to America's economic growth and prosperity and to our ability to compete in the global economy. It is the path to higher earning power for Americans and is necessary for our democracy to work. It fosters the cross-border,

cross-cultural collaboration required to solve the most challenging problems of our time. The National Education Technology Plan 2010 calls for revolutionary transformation. Specifically, we must embrace innovation and technology which is at the core of virtually every aspect of our daily lives and work. This book explores the National Education Technology Plan which presents a model of learning powered by technology, with goals and recommendations in five essential areas: learning, assessment, teaching, infrastructure and productivity.

#### Young Children in a Digital Age Routledge

At its best, educational television can provide children with enormous opportunities and can serve as a window to new experiences, enrich academic knowledge, enhance attitudes and motivation, and nurture social skills. This volume documents the impact of educational television in a variety of subject areas and proposes mechanisms to explain its effects. Drawing from a wide variety of research spanning several disciplines, author Shalom M. Fisch analyzes the literature on the impact of educational resources. He focuses on television programs designed for children rather than for adults, although adult literature is included when it is particularly relevant. In addition, much of the discussion concerns the effects of unaided viewing by children, rather than viewing in the context of adult-led follow-up activities. The role of parent-child co-viewing and issues relevant to the use of television in school or child care also receives consideration. This volume is intended to make the disparate literature on educational television's impact more accessible, by bringing it together into a centralized resource. To that end, the volume draws together empirical data on the impact of educational television programs--both academic and prosocial--on children's knowledge, skills, attitudes, and behavior. In addition to its emphasis on positive effects, this volume addresses a gap in the existing research literature regarding children's learning from exposure to educational television. Acknowledging that little theoretical work has been done to explain why or how these effects occur, Fisch takes a step toward correcting this situation by proposing theoretical models to explore aspects of the mental processing that underlies children's learning from educational television. With its unique perspective on children's educational television and comprehensive approach to studying the topic, this volume is required reading for scholars, researchers, and students working in the area of children and television. It offers crucial insights to scholars in developmental psychology, family studies, educational psychology, and related areas.

#### STEM in Early Childhood Education IGI Global

Feel confident and competent when it comes to choosing and implementing the most appropriate technology tools for your early childhood classroom! Whether you are a technology enthusiast looking for new ideas and guidance about developmentally appropriate practices, or you are new to the idea of using technology with young children, this book is for you. Digital Decisions provides everything you need to make your own technology plan based on your experiences and beliefs, the needs of the children, the context of your curriculum and the resources available to you. This no-nonsense, jargon-free guide will help you evaluate the tools and opportunities technology has to offer and integrate them into your early childhood classroom so you can offer real-life, hands-on, interactive activities to children. A reference every childhood program will want to have, Digital Decisions is brimming with charts, resources, and an array of activities that maximize technology as an interactive learning tool. Each chapter provides supporting guidance to make technology most effective for those working with children who are dual language learners or may have special needs.

#### The HighScope Preschool Curriculum Routledge

Choose the right technology for you and your preschooler with this helpful guide from children's technology guru Warren Buckleitner, PhD.

[Supporting Science, Design And Technology In The Early Years](#) Routledge

Computers and mobile technologies have become widely adopted as sought-after tools in the field of education. The prevalence of technology in early childhood education (ECE) is increasing, and teachers, both pre-service and in-service, are using best practices to integrate tools effectively to improve teaching and learning within the field. This includes settings such as childcare centers, family childcare, and community programs that have both educators and administrators adapting to the use of technology. Therefore, it has become critical to research and explore the best practices of technology integration and successful strategies to improve the use of technology in ECE. The Handbook of Research on Empowering Early Childhood Educators With Technology examines best practices that focus specifically on those that facilitate the development of competencies in teaching young children (birth to age 8) and technology integration. The chapters include information on the foundations of technology in early childhood education, content-specific technology applications, developmentally appropriate practices (DAP) for learners using technology, and how to meet diverse learner needs with technology. The target audience for this book is early childhood professionals, teacher educators, pre- and in-service teachers in early childhood settings, faculty and researchers in the field of education, instructional technologists, childcare and elementary school administrators, early education policy organizations, and advocacy groups that are interested in the best practices and successful strategies for implementing technology in ECE.

#### **Tools for Learning About Technology in a Preschool**

**Classroom** The HighScope Preschool Curriculum Early Childhood Environment Rating Scale (ECERS-3)

"This book explores the methods and applications of mobile learning techniques and strategies within diversified teaching settings"--

[Digital Technologies and Learning in the Early Years](#) Springer  
Bringing together a diverse cohort of experts, STEM in Early Childhood Education explores the ways STEM can be integrated into early childhood curricula, highlighting recent research and innovations in the field, and implications for both practice and policy. Based on the argument that high-quality STEM education needs to start early, this book emphasizes that early childhood education must include science, technology, engineering, and mathematics in developmentally appropriate ways based on the latest research and theories. Experienced chapter authors address the theoretical underpinnings of teaching STEM in the early years, while contextualizing these ideas for the real world using illustrative examples from the classroom. This cutting-edge collection also looks beyond the classroom to how STEM learning can be facilitated in museums, nature-based learning outdoors, and after-school programs. STEM in Early Childhood Education is an excellent resource for aspiring and veteran educators alike, exploring the latest research, providing inspiration, and advancing best practices for teaching STEM in the early years.

#### **Child Development and the Use of Technology:**

**Perspectives, Applications and Experiences** Basic Books  
Discover new, practical methods for teaching literacy skills in your early childhood classroom. Has teaching early literacy skills become a stumbling block to getting your preschool students kindergarten ready? Break out of the tired "letter of the week" routine and learn how to transform your lessons with fun and effective techniques. Teach Smarter: Literacy Strategies for Early Childhood Teachers will equip teachers to infuse every aspect of

their teaching with exciting hands-on literacy teaching methods that engage students and help them build authentic connections with books, so that 100% of their students will have a strong literacy foundation and will be fully prepared for success in kindergarten and beyond. Respected author Vanessa Levin, veteran early childhood educator and author of the "Pre-K Pages" blog, breaks down the research and translates it into realistic, actionable steps you can take to improve your teaching. Features specific examples of teaching techniques and activities that engage students in hands-on, experiential learning during circle time, centers, and small groups. Offers a simple, four-step system for teaching literacy skills, based on the foundational principles of early literacy teaching Demonstrates how to build your confidence in your ability to get 100% of your students ready for kindergarten, long before the end of the school year Understand the problems with traditional literacy teaching and identify gaps in your current teaching practice with this valuable resource.

**Teaching STEM in the Preschool Classroom** Teachers College Press

Better teaching & learning through technology

[Buckleitner's Guide to Using Tablets with Young Children](#) IGI Global

Young children are born into a digital world and it is not unusual to see preschool children intuitively swiping screens and confidently pressing buttons. There is much debate about the impact of the increased access to technology on young children's health and wellbeing with claims that it damages their social skills and emotional development. This timely new textbook examines how developments in technology, particularly mobile and touch screen technology, have impacted on children's lives and how when used appropriately it can support all aspects of their development. Clearly linking theory and research to everyday practice, the book offers guidance on: The role of technology in the early years curriculum Developing young children's understanding of safe and responsible use of technology The role of the adult within digital play activities Using technology to enhance and develop young children's creativity Technology and language acquisition Featuring a wide range of case studies and examples to show how the ideas described can be put into practice, this is essential reading for all early years students and practitioners that want to know how they can harness technology in a meaningful way to support young children's learning and development.

[Technology for Early Childhood Education and Socialization: Developmental Applications and Methodologies](#) Redleaf Press

The long-anticipated new version of the internationally recognized Early Childhood Environment Rating Scale®, ECERS-3, focuses on the full range of needs of preschool- and kindergarten-aged children. This widely used, comprehensive assessment tool measures both environmental provisions and teacher-child interactions that affect the broad developmental needs of young children, including: Cognitive Social-emotional Physical Health and safety ECERS-3 also includes additional Items assessing developmentally appropriate literacy and math activities. Designed for preschool, kindergarten, and child care classrooms serving children 3 through 5 years of age, ECERS-3: Provides a smooth transition for those already using ECERS-R. Emphasizes the role of the teacher in creating an environment conducive to developmental gains. Is designed to predict child outcomes more accurately and with greater precision. Provides a stronger method of distinguishing between good and truly excellent programs. Offers a complete training program with ongoing support available at the Environment Rating Scales Institute (ERSI) website ([www.ersi.info](http://www.ersi.info)). ECERS-3 is appropriate for state and district-wide QRIS and continuous improvement; program

evaluation by directors and supervisors; teacher self-evaluation; monitoring by agency staff; and teacher education. The established reliability and long term evidence of validity of the ERS family of instruments make this new version of ECERS particularly useful for RTTT-ELC accountability and research. Suitable for use in inclusive and culturally diverse programs, ECERS-3 subscales evaluate: Space and Furnishings Personal Care Routines Language and Literacy Learning Activities Interaction Program Structure

**Early Learning in the Digital Age** Gryphon House Incorporated  
The HighScope Preschool Curriculum Early Childhood Environment Rating Scale (ECERS-3) Teachers College Press

*Family Engagement in the Digital Age* Emerald Group Publishing  
This book explores the intersection of technology and critical literacy, specifically addressing what new technologies afford

critical literacy work with young children between ages three to eight.

[Transforming the Workforce for Children Birth Through Age 8](#)  
SAGE

The foundation for science, technology, engineering, and mathematics (STEM) education begins in the early years. This book provides more than ninety activities and learning center ideas that seamlessly integrate STEM throughout early childhood classrooms. These hands-on STEM experiences enhance cooking, art, and music activities, block play and sensory table exploration, and field trips and outdoor time. Information on assessment and early learning standards is also provided. Sally Moomaw, EdD, has spent much of her career researching and teaching STEM education. She is an assistant professor at the University of Cincinnati and the author of several early education books.

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