

Essential Readings on Technology in Teacher Education

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- Barron, B., G. Cayton-Hodges, L. Bofferding, C. Copple, L. Darling-Hammond, M. Levine. 2011. [*Take a Giant Step: A Blueprint for Teaching Children in a Digital Age*](#). New York, NY: The Joan Ganz Cooney Center at Sesame Workshop.
- Bawale, S., Todd, L. & Jones, E. (2003, March). Keeping it personal: Adult learners online. *Exchange*, pp. 86-87.
- Bell, L. (Ed.). (2001). [*Preparing tomorrow's teachers to use technology: Perspectives of the leaders of twelve national education associations*](#). *Contemporary Issues in Technology and Teacher Education* [Online Serial]. 1(4) 517-534.
- Bock, M. (2013). [*Aspiring teachers outpace current ones in tech use, Survey finds*](#). *Ed Week Digital Education* (blog), February 11.
- Carlson, H. L. (2000). [*Infusing technology: Transforming early childhood teacher education*](#). *Journal of Early Childhood Teacher Education*, 21(2), 141-147, DOI: 10.1080/0163638000210205
- Campbell, A., & Scotellaro, G. (2009). Learning with technology for pre-service early childhood teachers. *Australasian Journal of Early Childhood*, 34(2), 11-18.
- Center for the Child Care Workforce. 2007. *E-Learning: A national review of early childhood education distance learning Programs*. Washington, DC: Center for the Child Care Workforce.
- Conceição, S. C. O. & Donohue, C. (2012). *Intentional Design Based on Understanding the Learners, Teachers, and Content*. Presentation and proceedings, Distance Teaching and Learning Conference, Madison, WI.
- Conceição, S. C. O. & Donohue, C. (2012). *Building and Sustaining an Online Teacher Education Community: A Case Study for Overcoming Barriers*. Presentation and proceedings, Ed Media Conference, Denver, CO.
- Council for Accreditation of Educator Preparation. (2013). *CAEP Accreditation Standards*. Washington, DC: CAEP.
- David, J., Lennox, S., Walker, S., & Walsh, K. (2007). Exploring staff perceptions: Early childhood teacher educators examine online teaching and learning challenges and dilemmas. *International Journal for the Scholarship of Teaching and Learning*, 1(2), 1-15.
- Dolan, S. (2008). Forming communities of learners online: The culture and presence of asynchronous discussion groups. *He Kupu*, 1(5), 32-47.
- Dolan, S., Donohue, C., Holstrom, L, Pernell, L., & Sachdev, A. (2009, November). Supporting online learners: Blending high tech with high touch. *Exchange*, pp. 90-97.
- Donohue, C. (2007). [*The instructor's view of eLearning: Taking your first steps into eTeaching*](#). *Professional Development Bulletin*, (79). Washington, DC. Office of Head Start.
- Donohue, C., & Clark, D. (2004, November). Learning online: The places you'll go! *Exchange*, pp. 49-54.
- Donohue, C. & Fox, S. (2012, March). Lessons learned, innovative practices and emerging trends: Technology for teacher education and professional development. *Exchange*, 74-82.
- Donohue, C., Fox, S., & LaBonte, M. (2004, July). eLearning: What our students can teach us. *Exchange*, pp. 79-82.
- Donohue, C., Fox, S., & Torrence, D. (2007). [*Early childhood educators as eLearners: Engaging approaches to teaching and learning online*](#). *Young Children*, 62(4), 34-40.
- Donohue, C., & S. Fox. (2012, March). Technology for Teacher Education and Professional Development: Lessons Learned and Innovative Practices. *Exchange*, 74-82.
- Downer, J.T., Pianta, R.C., Fan, X., Hamre, B. K., Mashburn, A., & Justice, L. (2011). Effects of web-mediated teacher professional development on the language and literacy skills of children enrolled in prekindergarten programs, *NHSA Dialog*, 14(4), 189-212.

- du Plessis, K. (2008). Web-enhanced distance teaching in early childhood teacher education: Lecturers' experiences and implications for professional development. *He Kupu*, 1(5), 8-16.
- Eliason, S. K., & Holmes, C. L. (2010, June). [Reflective practice and inquiry in professional development for online teaching](#). *MERLOT Journal of Online Learning and Teaching*, 6(2), 454-465. Retrieved June 27, 2010 from
- Ertmer, P.A., & Ottenbreit-Leftwich, A. T., Sadik, O., Sendurur, E., & Sendurur, P. (2012). Teacher beliefs and technology integration practices: A critical relationship. *Computers & Education*, 59, 423-435.
- Fox, S., & Donohue, C. (2006, November). [Trends and promising practices in early childhood teacher education online: The view from New Zealand](#). *He Kupu*, 29-34.
- Glascott, K. P., & Stone, S. J. (1998). [Technology in higher education: Exploring distance learning from a constructivist perspective](#). *Journal of Early Childhood Teacher Education*, 19(1), 17-24, DOI: 10.1080/0163638980190104
- Guernsey, L. (2011). ["EdTech for the Younger Ones? Not Without Trained Teachers."](#) *Huffington Post* (blog), November 17.
- Heirdsfield, A. M., Davis, J. M., Lennox, S.P., Walker, S., & Zhang W. (2007). Online Learning Environments: What Early Childhood Teacher Education Students Say. *Journal of Early Childhood Teacher Education*, 28(2). pp. 115-126. [?] [?]
- Hertz, M.B. (2011). ["What Does 'Technology Integration' Mean?"](#) *Edutopia* (blog), March 16.
- Hinds, M. D. (2001, Fall). [Early childhood education: Distance learning for teachers adds a new dimension](#). *Carnegie Reporter*. 1(3).
- Holstrom, L., Ruiz, D., & Weller, G. (2007) [A new view: reflection and student teacher growth through an e-practicum model](#), *E-Learning*, 4(1), pp. 5-14.
- Hong, S.B., & M. Trepanier-Street. 2004. ["Technology: A Tool for Knowledge Construction in a Reggio Emilia Inspired Teacher Education Program."](#) *Early Childhood Education Journal* 32 (2), 87-94.
- Hoot, J. (2001). [Distance learning and the early childhood teacher educator](#). *Journal of Early Childhood Teacher Education*, 22(4), 221-224, DOI: 10.1080/1090102010220401
- International Association for K-12 Online Learning. (2013). *Partnering for success: A 21st century model for teacher preparation*. Vienna, VA: iNACOL.
- International Society for Technology in Education. (2008, 2012). *The standards for teachers*. Washington, DC: ISTE.
- Johnson, J., R. Fiene, J. Keat, H. Darling, D. Pratt, & J. Iucotvich. (2001). [Mastering Early Childhood Course Content and Learning Satisfaction in Early Childhood Education: A Comparison of Regular Classroom Instruction with Three Variations of Internet Delivery](#). *Journal of Early Childhood Teacher Education*, 22(4), 267-274.
- Kennedy, K., & Archambault, L. (2012). Offering pre-service teachers field experiences in K-12 online learning: A national survey of teacher education programs. *Journal of Teacher Education*, 63(3), 185-200. doi: 10.1177/0022487111433651
- Kleiman, G. (2006). [Meeting the need for high quality teachers: e-Learning solutions](#), Educational Development Center. Retrieved January 21, 2006 from
- Lutton, A. (2011). *Advancing the early childhood profession: NAEYC standards and guidelines for professional development*. Washington, DC: National Association for the Education of Young Children.
- Mishra, P., & Koehler, M. J. (2006). Technological pedagogical content knowledge: A framework for teacher knowledge, *Teachers College Record*, 108(6): 1017-1054.
- National Association for Media Literacy Education. (2007). *Core principles of media literacy education in the United States*. Cherry Hill, NJ: NAMLE

- National Association for the Education of Young Children. (2010). [2010 NAEYC Standards for Initial & Advanced Early Childhood Professional Preparation Programs](#). Washington, DC: NAEYC.
- National Association of Early Childhood Teacher Educators. (2008). *NAECTE position statement on early childhood certification for teachers of children 6 years old and younger in public school*. Briarcliff Manor, NY: NAECTE.
- National Association of State Boards of Education. (2012). [Born in Another Time: Ensuring Education Technology Meets the Needs of Students Today – and Tomorrow](#). Arlington, VA: NASBE.
- National Council for Accreditation of Teacher Education. (2010). [Transforming Teacher Education Through Clinical Practice: A National Strategy to Prepare Effective Teachers](#). Washington, DC: NCATE.
- Nichols, M., & McLachlan, C. (2006, November). [E-learning and early childhood teacher education: What does the future hold?](#) *He Kupu*, 17-28.
- Olsen, H., Donaldson, A. J., & Hudson, S. D. (2010). Online professional development: Choices for early childhood educators. *Dimensions of Early Childhood*, 38(1), 12-18.
- PBS Learning Media. (2013) [Teachers embrace Digital media to propel learning](#). Washington, DC: PBS.
- Pierce, D. (2013). [Aspiring teachers ill-prepared to use ed tech effectively](#). *eSchool News* (blog), February 7.
- Project Tomorrow. (2013). [Learning in the 21st Century: Digital Experiences and Expectations of Tomorrow's Teachers](#). Irvine, CA: Project Tomorrow.
- Reupert, A., Maybery, D., Patrick, K., & Chittleborough, P. (2009). [The importance of being human: Instructors' personal presence in distance programs](#). *International Journal of Teaching and Learning in Higher Education*, 21(1), 47-56.
- Rodriguez, G. & R. Knuth (2000) [Critical Issue: Providing Professional Development for Effective Technology Use](#). North Central Regional Educational Laboratory.
- Rogow, F. (2012). *The case for digital media literacy in early childhood education*. Ithaca, NY: Insighters Education Consulting.
- Roscorla, T. (2013, July 8). [How to prepare teachers for digital education](#). [Web log post].
- Rosen, D. B. & C. Jaruszewicz (2009). [Developmentally Appropriate Technology Use and Early Childhood Teacher Education](#), *Journal of Early Childhood Teacher Education*, 30: 2, 162-171.
- Scheibe, C. L. & Rogow, F. (2011). *The teacher's guide to media literacy: Critical thinking in a multimedia world*. Thousand Oaks, CA: Corwin.
- Schwartz, K. (2013). [Teachers Embrace Digital Learning Strategies](#)." *KQED Mind/Shift* (blog), February 6.
- Schwartz, K. (2013). [Are Teachers of Tomorrow Prepared to Use Innovative Tech](#)." *KQED Mind/Shift* (blog), February 13.
- Simon, F. & Donohue, C. (2012, November/December). The source of leadership for early childhood technology integration: You! *Exchange*, 79-85.
- Simon, F., K. Nemeth, & D. McManis. (2013). Technology in ECE classrooms: Results of a new survey and implications for the field. *Exchange*, 68-75.
- Snider, S., & Hirschy, S. (2009). [A Self-reflection Framework for Technology Use by Classroom Teachers of Young Learners](#). *He Kupu* 2 (1): 30-34.
- Surry, D., A. Grubb, D. Ensminger, & J. Ouimette. (2010). [Implementation of web-based learning in colleges of education: Barriers and enablers](#). *Canadian Journal of Learning and Technology / La revue canadienne de l'apprentissage et de la technologie*, 35(3).

- Swaminathan, S. (2000). [Integrating technology within the curriculum: Teachers' challenges and teacher educator insights](#). *Journal of Early Childhood Teacher Education*, 21(2), 289-294, DOI: 10.1080/0163638000210223
- Valdez, G., Fulton, K., Glenn, A., Wimmer, N., & Blomeyer, R. (2004). [Effective technology integration in teacher education: A comparative study of six programs](#). *Innovate* 1 (1).
- Wartella, E., Schomburg, R.L., Lauricella, A.R., Robb, M., Flynn, R. (2010). *Technology in the lives of teachers and classrooms: Survey of classroom teachers and family child care providers*. Latrobe, PA: Fred Rogers Center for Early Learning and Children's Media at Saint Vincent College.
- Wartella, E., Blackwell, C.K., Lauricella, A.R. & Robb, M.B. (2013). *Technology in the lives of educators and early childhood programs*. Latrobe, PA: Fred Rogers Center for Early Learning and Children's Media at Saint Vincent College.
- Washington, V. (2013). CDA 2.0: Supporting people and advancing the field. *Young Children*, 68(4), 68-70.
- Wheatley, K. F. (2003). [Increasing computer use in early childhood teacher education: The Case of a "computer muddler"](#). *Contemporary Issues in Technology and Teacher Education* [Online serial], 2(4).
- Wheeler, E. J., Wilson, G. P., & Berkeley, T. B. (2001). [Bringing web-enhanced courses to communities of learners in early childhood teacher education](#). *Journal of Early Childhood Teacher Education*, 22(4), 237-242, DOI: 10.1080/1090102010220404
- Whittaker, J. (2008). Quality online teaching? Who's asking. *He Kupu*, 1(2) 18-27.



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