

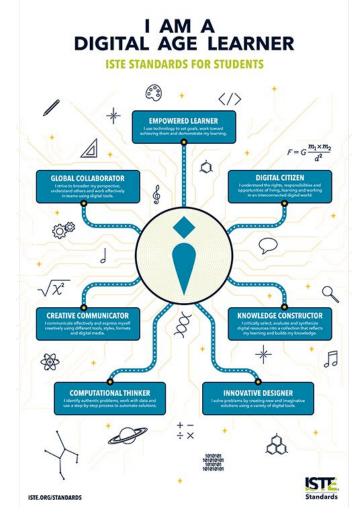
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Learning, Design & Technology Adjunct
Media Literacy Matters Conference 2024



CATO COLLEGE OF EDUCATION

Why is Digital Citizenship important?

Digital Citizens "recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world, and they act and model in ways that are safe, legal and ethical" (ISTE, 2016b, "Digital Citizens" section)





Research Question

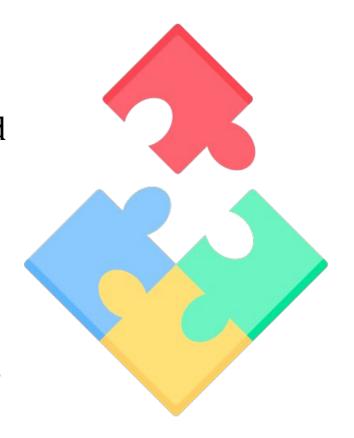
What are teachers' experiences integrating digital citizenship into their core content curriculum?





Methodology & Participants

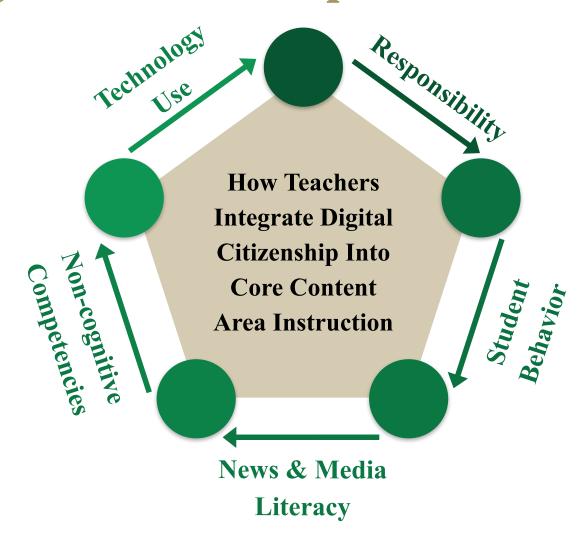
- Basic qualitative approach (Merriam & Tisdell, 2014)
- Zoom Interviews w/ Follow Up Survey
- Hybrid approach of inductive and deductive coding and theme development (Fereday and Muir-Cochrane, 2006)
- 11 participants
- Inclusion Criteria:
 - Current or former K-12 Core Content Area Teachers
 - Must have taught digital citizenship lessons to their students in the past







Findings: Digital Citizenship in Classroom Practice



News & Media Literacy

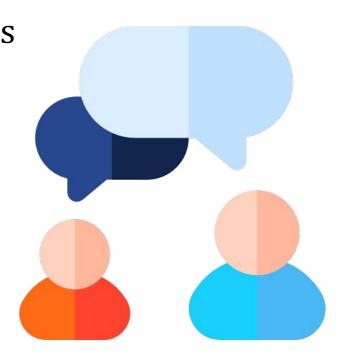
Themes	Subthemes	Interviews
Responsibility	Teachers	11
	Other School Staff	11
	Families	7
Student	Prosocial Behavior	9
Behavior	Disruptions and Consequences	9
	Activity Monitoring Software	4
News & Media	Supporting an Argument with Facts	8
Literacy	Research Skills	7
	Reliable Sources	7
Non-Cognitive	Executive Functioning	10
Competencies	Balance	5
Technology Use	Technology for Learning	7
	Learning About Technology	5

Teachers are taking time to teach digital citizenship skills in the context of news and media literacy (Foroughi, 2015; Öztürk, 2021; Capuno et al., 2022).



Discussion

- News & Media Literacy Definition
 - Common Sense Education (n.d.b) says that students should be able to "identify, evaluate, and use information effectively, find credible and trustworthy sources, and give proper credit" ("Overview" section).
- Supporting arguments with facts
- Research skills
- Reliable sources
- We aren't there yet





Final Thoughts

Information is just [going to continue to] become even more robust with what we have access to. But not all information is necessarily good information or useful information or relevant.

- Mr. Bryant











Aagaard, J. (2019). Multitasking as distraction: A conceptual analysis of media multitasking research. Theory & Psychology, 29(1), 87–99. American Association of School Librarians.

(2018). National school library standards crosswalk. https://standards.aasl.org/wp-content/uploads/2018/08/180828-aasl-standards-crosswalk-iste.pdf

Armfield, S. W., & Blocher, J. M. (2019). Global digital citizenship: Providing context. TechTrends, 63(4), 470-476.

Auxier, B. Rainie, L., Anderson, M, Perrin, A., Kumar, M., and Turner, E. (2019). Americans and privacy: Concerned, confused and feeling lack of control over their personal information.

Pew Research. https://www.pewresearch.org/internet/2019/11/15/americans-and-privacy-concerned-confused-and-feeling-lack-of-control-over-their-personal-information/

Auxier, B., Anderson, M., Perrin, A., & Turner, E. (2020). Parenting children in the age of screens. Pew Research Center.

https://www.pewresearch.org/internet/wp-content/uploads/sites/9/2020/07/PI_2020.07.28_kids-and-screens_FINAL.pdf

Batch, K. R., Magi, T., & Luhtala, M. (2015). Filtering beyond CIPA: Consequences of and alternatives to overfiltering in schools. Knowledge Quest, 44(1), 60-66.

Battelle for Kids P21 Framework for 21st Century Skills. (n.d.). 21st Century Learning. Harvard University. http://exploresel.gse.harvard.edu/frameworks/3

Bell, F. (2011). Connectivism: Its place in theory-informed research and innovation in technology-enabled learning. The International Review of Research in Open and Distributed Learning, 12, 98-118.

Bleazby, J. (2006). Autonomy, democratic community, and citizenship in philosophy for children: Dewey and philosophy for children's rejection of the individual/community dualism. Analytic Teaching, 26(1), 30-52. https://journal.viterbo.edu/index.php/at/article/view/832

Boitshwarelo, B. (2011). Proposing an integrated research framework for connectivism: Utilising theoretical synergies. The International Review of Research in Open and Distributed Learning, 12(3), 161-179. https://doi.org/10.19173/irrodl.v12i3.881

Borko, H. (2004). Professional development and teacher learning: Mapping the terrain. Educational Researcher, 33(8), 3-15.

Bourke, R., O'Neill, J., & Loveridge, J. (2018). Children's conceptions of informal and everyday learning. Oxford Review of Education, 44(6), 771–786.

https://doi.org/10.1080/03054985.2018.1450238

Bowen, R. S. (2017). Understanding by design. Vanderbilt University Center for Teaching. https://cft.vanderbilt.edu/understanding-by-design/

Buchholz, B. A., DeHart, J., & Moorman, G. (2020). Digital citizenship during a global pandemic: Moving beyond digital literacy. Journal of Adolescent & Adult Literacy, 64(1), 11–17. https://doi.org/10.1002/jaal.1076

Burclaff, N., & Johnson, C. R. (2016). Teaching information literacy via social media: An exploration of connectivism. Library Philosophy and Practice.

Cabusao, J. A., Fleischer, C. & Polson, B. (2019). Shifting from professional development to professional learning: Centering teacher empowerment. National Council of Teachers of English. https://ncte.org/statement/proflearning/

Caelli, K., Ray, L., & Mill, J. (2003). 'Clear as mud': toward greater clarity in generic qualitative research. International journal of qualitative methods, 2(2), 1-13.

https://journals.sagepub.com/doi/pdf/10.1177/160940691401300119

Calvert, L. (2016). Moving from compliance to agency: What teachers need to make professional learning work. Learning Forward and NCTAF.

https://learningforward.org/wp-content/uploads/2017/08/moving-from-compliance-to-agency.pdf

Caprara, G. V., Kanacri, B. P. L., Gerbino, M., Zuffianò, A., Alessandri, G., Vecchio, G., Caprara, E., Pastorelli, C., & Bridglall, B. (2014). Positive effects of promoting prosocial behavior in early adolescence: Evidence from a school-based intervention. International Journal of Behavioral Development, 38(4), 386–396. https://doi.org/10.1177/0165025414531464
Capuno, R., Suson, R., Suladay, D., Arnaiz, V., Villarin, I. & Jungoy, E. (2022). Digital citizenship in education and its implication. World Journal on Educational Technology: Current Issues, 14(2), 426-437. https://doi.org/10.18844/wjet.v14i2.6952

Charlotte-Mecklenburg Schools (2022, February 8). Graduation requirements. https://go.boarddocs.com/nc/cmsnc/Board.nsf/goto?open&id=AYTMX35924B2#

Chen, B., & Bryer, T. (2012). Investigating instructional strategies for using social media in formal and informal learning. International Review of Research in Open and Distributed Learning, 13(1), 87–104. https://doi.org/10.19173/irrodl.v13i1.1027

Choi, M. (2015). Development of a scale to measure digital citizenship among young adults for democratic citizenship education [Doctoral Dissertation, Ohio State University]. OhioLINK Electronic Theses and Dissertations Center. http://rave.ohiolink.edu/etdc/view?acc_num=osu1437610223

Choi, M. (2016). A concept analysis of digital citizenship for democratic citizenshipeducation in the Internet age. Theory and Research in Social Education, 44(4), 565–607. https://doi.org/10.1080/00933104.2016.1210549

Choi, M., & Cristol, D. (2021). Digital citizenship with intersectionality lens: Towards participatory democracy driven digital citizenship education. Theory into Practice, 60(4), 361–370. https://doi.org/10.1080/00405841.2021.1987094

Choi, M., Cristol, D., & Gimbert, B. (2018). Teachers as digital citizens: The influence ofindividual backgrounds, Internet use and psychological characteristics on teachers' levels of digital citizenship. Computers and Education, 121, 143–161. https://doi.org/10.1016/j.compedu.2018.03.005

Choi, M., Glassman, M., & Cristol, D. (2017). What it means to be a citizen in the Internet age: Development of a reliable and valid digital citizenship scale. Computers and Education, 107, 100–112. https://doi.org/10.1016/j.compedu.2017.01.002

Cifci, M., & Ünlu, S. (2020). Development of the Online Research and Reading Comprehension Skills Scale for middle school students. International Online Journal of Primary Education, 9(2), 288–301.

Collaborative for Academic Social, and Emotional Learning. (2021). Social and emotional learning and digital citizenship [Webinar].

https://casel.org/events/building-connections-webinar-social-and-emotional-learning-and-digital-citizenship/

Collaborative for Academic Social, and Emotional Learning. (n.d.). What is the CASEL framework? https://casel.org/fundamentals-of-sel/what-is-the-casel-framework/

Common Sense Education. (n.d.a). Everything you need to teach digital citizenship.https://www.commonsense.org/education/digital-citizenship

Common Sense Education. (n.d.b). Topic: News & media literacy. https://www.commonsense.org/education/digital-citizenship/topic/news-and-media-literacy

Common Sense Education. (n.d.c). Topic: Media balance & well-being. https://www.commonsense.org/education/digital-citizenship/topic/media-balance-and-well-being.

Corbett, F., & Spinello, E. (2020). Connectivism and leadership: harnessing a learning theory for the digital age to redefine leadership in the twenty-first century. Heliyon, 6(1),

e03250-e03250. https://doi.org/10.1016/j.heliyon.2020.e03250

Cumming, M. M., Bettini, E., Pham, A. V., & Park, J. (2020). School-, classroom-, and dyadic-level experiences: A literature review of their relationship with students' executive functioning development. Review of Educational Research, 90(1), 47–94.https://doi.org/10.3102/0034654319891400

Curran, M. B. F. X., & Ribble, M. (2017). P-20 model of digital citizenship. New Directions for Student Leadership, 2017(153), 35-46. https://doi.org/10.1002/yd.20228

Dewey, J. (1909). Moral principles in education. Project Gutenberg. https://www.gutenberg.org/files/25172/25172-h/25172-h.htm

Dexter, S., & Barton, E. A. (2021). The Development and Impact of Team-Based School Technology Leadership. Journal of Educational Administration, 59(3), 367–384.

Downes, S. (2008). An introduction to connective knowledge. In T. Hug (Ed.) Media, knowledge & education: Exploring new spaces, relations and dynamics in digital media ecologies (pp.

77-102). Innsbruck University Press. https://library.oapen.org/bitstream/handle/20.500.12657/33882/449459.pdf?sequence=1#page=84

Downes, S. (2019). Recent work in connectivism. European Journal of Open, Distance and E-Learning, 22(2), 113-132. https://doi.org/10.2478/eurodl-2019-0014

Duckworth, S. (2015). The nine elements of digital citizenship. https://pbs.twimg.com/media/CDET13HVEAAz8oh.jpg

EducationSuperHighway. (2019). 2019: State of the states. https://stateofthestates.educationsuperhighway.org/#national

EffectiveTeaching.com. (2023). The first days of school, 5th edition overview. https://www.effectiveteaching.com/store/products/books/the-first-days-of-school-5th-edition

Eisenberg, N., Fabes, R. A., & Spinrad, T. L. (2006). Prosocial behavior. In W. Damon & R. M. Lerner (Eds.). Handbook of child psychology: Vol. 3. Social, emotional, and personality development (6th ed., pp. 646–718). Wiley.

Ertmer, P. A., Ottenbreit-Leftwich, A. T., Sadik, O., Sendurur, E., & Sendurur, P. (2012). Teacher beliefs and technology integration practices: A critical relationship. Computers and Education, 59(2), 423–435. https://doi.org/10.1016/j.compedu.2012.02.001

Every Student Succeeds Act, 20 U.S.C. § 6301 (2015). https://www.congress.gov/bill/114th-congress/senate-bill/1177

Faverio, M. & Anderson, M. (2022). For shopping, phones are common and influencers have become a factor – especially for young adults. Pew Research.

https://www.pewresearch.org/fact-tank/2022/11/21/for-shopping-phones-are-common-and-influencers-have-become-a-factor-especially-for-young-adults/

Federal Communications Commission. (2019). Children's Internet Protection Act (CIPA). https://www.fcc.gov/sites/default/files/childrens_internet_protection_act_cipa.pdf

Federal Trade Commission. (2022). Consumer Sentinel Network: Data book 2021.

https://www.ftc.gov/system/files/ftc_gov/pdf/CSN%20Annual%20Data%20Book%202021%20Final%20PDF.pdf

Fereday, J., & Muir-Cochrane, E. (2006). Demonstrating rigor using thematic analysis: A hybrid approach of inductive and deductive coding and theme development. International Journal of Qualitative Methods, 5(1), 80–92. https://doi.org/10.1177/160940690600500107

Foroughi, A. (2015). The theory of connectivism: Can it explain and guide learning in the digital age? Journal of Higher Education Theory and Practice, 15(5), 11–.

Fox, C., Jones, R. (2019). State K-12 broadband leadership 2019: Drivingconnectivity, access and student success. State Educational Technology Directors Association.

https://files.eric.ed.gov/fulltext/ED594505.pdf

Garet, M. S., Porter, A. C., Desimone, L., Birman, B. F., & Yoon, K. S. (2001). What makes professional development effective? Results from a national sample of teachers. American Educational Research Journal, 38(4), 915–945. https://doi.org/10.3102/00028312038004915



Geller, K. (2016). The importance of teaching digital citizenship: A character development essential. In Integrating Prosocial Learning with Education Standards (pp. 127-142). Routledge. https://doi.org/10.4324/9781315558554

Gilmour, L. (2019). Digital Citizenship and Social Media: Relevant Curriculum for Early Middle School Students [Masters thesis, California State University, Northridge]. https://scholarworks.calstate.edu/downloads/kk91fr53n

Gleason, B., & von Gillern, S. (2018). Digital citizenship with social media: Participatory practices of teaching and learning in secondary education. Educational Technology & Society, 21(1), 200–212.

Goldie, J. G. S. (2016). Connectivism: A knowledge learning theory for the digital age? Medical Teacher, 38(10), 1064–1069. https://doi.org/10.3109/0142159X.2016.1173661 Google. (n.d.). Digital safety resources: Tools for the classroom.https://beinternetawesome.withgoogle.com/en_us/educators

Grant-Chapman, H., Laird, E., Venzke, C. (2021). Student activity monitoring software: Research insights and recommendations. Center for Democracy & Technology.

Guder, C. (2010). Patrons and pedagogy: A look at the theory of connectivism. Public Services Quarterly, (6)1, 36-42, https://doi.org/10.1080/15228950903523728

Haas, M. R., Haley, K., Nagappan, B. S., Ankel, F., Swaminathan, A., & Santen, S. A. (2020). The connected educator: personal learning networks. The Clinical Teacher, 17(4), 373–377. https://doi.org/10.1111/tct.13146

Hallman, H. L. (2019). Personalized Learning through 1:1 Technology Initiatives: Implications for Teachers and Teaching in Neoliberal Times. Teaching Education, 30(3), 299–318. https://doi.org/10.1080/10476210.2018.1466874

Hankerson, D. L., Venzke, C., Laird, E., Grant-Chapman, H., & Thakur, D. (2022). Online and observed: student privacy implications of school-issued devices and student activity monitoring software. Center for Democracy & Technology.

Harris, R. (2018, March 8). The effects of repealing net neutrality on our most vulnerable students. StriveTogether.

https://www.strivetogether.org/insights/effects-repealing-net-neutrality-vulnerable-students/

Harrison, T., & Polizzi, G. (2022). (In)civility and adolescents' moral decision making online: drawing on moral theory to advance digital citizenship education. Education and Information Technologies, 27(3), 3277–3297. https://doi.org/10.1007/s10639-021-10710-0

Hilton, J. T., & Canciello, J. (2018). A Five-Year Reflection on Ways in Which the Integration of Mobile Computing Technology Influences Classroom Instruction. International Journal of Technology in Education, 1(1), 1–11.

Hollandsworth, R., Donovan, J., & Welch, M. (2017). Digital citizenship: You can't go home again. TechTrends, 61(6), 524-530.

Hollandsworth, R., Dowdy, L., & Donovan, J. (2011). Digital citizenship in K-12: It takes a village. TechTrends, 55(4), 37–47. https://doi.org/10.1007/s11528-011-0510-z

Holmes, A. G. D. (2020). Researcher positionality - A consideration of its influence and place in qualitative research - A new researcher guide. Shanlax International Journal of Education, 8(4), 1-10. https://files.eric.ed.gov/fulltext/EJ1268044.pdf

Hui, B., & Campbell, R. (2018). Discrepancy between learning and practicing digital citizenship. Journal of Academic Ethics, 16(2), 117–131. https://doi.org/10.1007/s10805-018-9302-9

Hyun, E., & Marshall, J. D. (2003). Teachable-moment-oriented curriculum practice in early childhood education. Journal of Curriculum Studies, 35(1), 111-127.

https://doi.org/10.1080/00220270210125583

International Society for Technology in Education. (2007). National educational technology standards for students (2nd ed.).

International Society for Technology in Education. (2008). National educational technology standards for teachers (2nd ed.).

International Society for Technology in Education. (2016a). ISTE standards for educators. https://www.iste.org/standards/for-educators

International Society for Technology in Education. (2016b). ISTE standards for students. https://www.iste.org/standards/for-students

International Society for Technology in Education. (2018). ISTE standards for education leaders. https://www.iste.org/standards/iste-standards-for-education-leaders

International Society for Technology in Education. (2021). EdTech policy maps. https://www.iste.org/edtech-policy-maps

James, C., Weinstein, E., & Mendoza, K. (2019). Teaching digital citizens in today's world: Research and insights behind the Common Sense K–12 digital citizenship curriculum. Project Zero. http://www.pz.harvard.edu/resources/teaching-digital-citizens-in-todays-world

Judd, T. (2018). The rise and fall (?) of the digital natives. Australasian Journal of Educational Technology, 34(5). https://doi.org/10.14742/ajet.3821

Kahlke, R. M. (2014). Generic qualitative approaches: Pitfalls and benefits of methodological mixology. International Journal of Qualitative Methods, 13(1), 37-52.

https://journals.sagepub.com/doi/pdf/10.1177/160940691401300119

Kaplan-Berkley, S. (2021). Digital Tools and Streaming Media Converge to Inspire Social Interactions of Generation Alpha. International Journal of Early Childhood.

https://doi.org/10.1007/s13158-021-00301-y

Kim, M., & Choi, D. (2018). Development of youth digital citizenship scale and implication for educational setting. Educational Technology & Society, 21(1), 155–171.

Krutka, D., & Carpenter, J. (2017). Digital citizenship in the curriculum. Educational Leadership, 75(3), 50-55.

Kumar, P. C., Vitak, J., Chetty, M., & Clegg, T. L. (2019). The platformization of the classroom: Teachers as surveillant consumers. Surveillance & Society, 17(1/2). 145-152.

https://ojs.library.queensu.ca/index.php/surveillance-and-society/index

Labone, E., & Long, J. (2016). Features of effective professional learning: A case study of the implementation of a system-based professional learning model. Professional development in education, 42(1), 54-77.

Lang, J. (2016). Grounded application of connectivism in the classroom. NACTA Journal, 60(3), 347+.

Lauricella, A. R., Herdzina, J., & Robb, M. (2020). Early childhood educators' teaching of digital citizenship competencies. Computers & Education, 158.

https://doi.org/10.1016/j.compedu.2020.103989

LeClair, T. (2018). I am a digital age learner: Digital citizen. International Society for Technology in Education. https://drive.google.com/file/d/1Pi59n44OcoxZKgp6lgMB8xb1q-_yBQOk/view Lembke, A. (2021, August 13). Digital addictions are drowning us in dopamine. Wall Street Journal.

https://www.wsj.com/articles/digital-addictions-are-drowning-us-in-dopamine-11628861572



Li, Y., Wang, Q., & Lei, J. (2020). Exploring technology professional development needs of digital immigrant teachers and digital native teachers in China. International Journal of Information and Communication Technology Education (IJICTE), 16(3), 15-29.

Lim. J. H. (2011). Qualitative methods in adult development and learning: Theoretical traditions, current practices, and emerging horizons. In C. Hoare (Ed). The Oxford handbook of reciprocal adult development and learning (pp. 39-60). London: Oxford University Press.

Lincoln, Y. S., & Guba, E. G. (1985). Naturalistic inquiry. Sage.

Martin, F. (Principal Investigator). (2017-2020). Establishing digital citizenship by implementing cyber safety curriculum with middle school students (Project No 1723746) [Grant]. National Science Foundation. https://www.nsf.gov/awardsearch/showAward?AWD_ID=1723746

Martin, F. (Principal Investigator). (2020-2023). Digital safety immersion for elementary school students (Project No 2015554) [Grant]. National Science Foundation.

https://www.nsf.gov/awardsearch/showAward?AWD_ID=2015554

Martin, F., Gezer, T., Wang, W. C., Petty, T., & Wang, C. (2020). Examining K-12 educator experiences from digital citizenship professional development. Journal of Research on Technology in Education, 1–18. https://doi.org/10.1080/15391523.2020.1815611

Martin, F., Hunt, B., Wang, C., & Brooks, E. (2020). Middle school student perception of technology use and digital citizenship practices. Computers in the Schools, 37(3), 196–215. https://doi.org/10.1080/07380569.2020.1795500

Merriam, & Grenier, R. S. (2019). Qualitative research in practice: examples for discussion and analysis (2nd ed.). Jossey-Bass.

Merriam, S. & Tisdell, E. J. (2014). Qualitative research: A guide to design and implementation (4th ed.). Jossey-Bass.

Miller, B. (2016). Can I use this app or website for my class? What to know about instructing teachers and students on digital citizenship, digital footprints, and cybersafety. Knowledge Quest, 44(4), 22-29. https://eric.ed.gov/?id=EJ1092298

Miniwatts Marketing Group. (2023). World internet usage and population statistics: 2023 year estimates. Internet World Stats. https://www.internetworldstats.com/stats.htm Mirra, N., McGrew, S., Kahne, J., Garcia, A., & Tynes, B. (2022). Expanding Digital Citizenship Education to Address Tough Issues. Phi Delta Kappan, 103(5), 31–35.

National Council for the Social Studies. (2013). Revitalizing civic learning in our schools. https://www.socialstudies.org/position-statements/revitalizing-civic-learning-our-schools National Forum on Education Statistics. (2016). Forum guide to education data privacy.

National Center for Education Statistics. https://nces.ed.gov/pubs2016/nfes2016096.pdf

Newman, N., Fletcher, R., Robertson, C., Eddy, K., & Kleis Nielsen, R. (2022). Reuters Institute digital news report 2022. Reuters Institute.

https://reutersinstitute.politics.ox.ac.uk/sites/default/files/2022-06/Digital_News-Report_2022.pdf

Nestik, T., Zhuravlev, A., Eduard, P., Marianna, S. C., Lioudmila, B., Piurcosky, F. P., & Ferreira, J. V. (2018). Technophobia as a cultural and psychological phenomenon: Theoretical analysis. Interação-Revista De Ensino, Pesquisa E Extensão, 20(1), 266-281.

News Literacy Project. (2023). NewsLit Nation. https://newslit.org/newslit-nation/



North Carolina Department of Public Instruction. (2015). Instructional technology facilitator: Evaluation process.

https://sites.google.com/dpi.nc.gov/ncees-information-and-resource/support-staff/instructional-technology-facilitator

North Carolina Department of Public Instruction. (2019a). NC digital learning competencies for classroom teachers. https://www.dpi.nc.gov/media/15/open

North Carolina Department of Public Instruction. (2019b). NC digital learning competencies for school administrators. https://www.dpi.nc.gov/media/14/open

North Carolina Department of Public Instruction. (n.d.a). DTL standards. https://www.dpi.nc.gov/districts-schools/districts-schools-support/digital-teaching-and-learning/dtl-standards

North Carolina Department of Public Instruction. (n.d.b). School attendance and students accounting manual: 2020-2021. https://www.dpi.nc.gov/media/1258/open

Oddone, K., Hughes, H., & Lupton, M. (2019). Teachers as connected professionals: A model to support professional learning through personal learning networks. International Review of Research in Open and Distance Learning, 20(3), 102–120.

Office of Educational Technology. (2017). Reimagining the role of technology in education: 2017 national education technology plan update. United States Department of Education. https://tech.ed.gov/files/2017/01/NETP17.pdf

Office of Educational Technology. (2020). Teacher digital learning guide. United States Department of Education. https://tech.ed.gov/files/2021/01/Teacher-Digital-Learning-Guide.pdf Office of Educational Technology. (n.d.). Privacy. United States Department of Education. https://tech.ed.gov/privacy/

Organisation for Economic Co-operation and Development (2018). Distribution of teachers by age and gender: Share of teachers by age range.

https://stats.oecd.org/Index.aspx?DataSetCode=EAG_PERS_SHARE_AGE#

Öztürk, G. (2021). Digital Citizenship and Its Teaching: A Literature Review. Journal of Educational Technology and Online Learning, 4(1), 31–45.

Palys, T. (2008). Purposive sampling. In L. M. Given (Ed.), The SAGE encyclopedia of qualitative research methods (pp. 697-698). Sage.

Penner, L. A., Dovidio, J. F., Piliavin, J. A., & Schroeder, D. A. (2005). Prosocial behavior: Multilevel perspectives. Annual Review of Psychology, 56(1), 365–392.

https://doi.org/10.1146/annurev.psych.56.091103.070141

Percy, W. H., Kostere, K., & Kostere, S. (2015). Generic Qualitative Research in Psychology. The Qualitative Report, 20(2), 76-85. https://doi.org/10.46743/2160-3715/2015.2097

Phillips, A. L., & Lee, V. R. (2019). Whose responsibility is it? A Statewide survey of school librarians on responsibilities and resources for teaching digital citizenship. School Library

Research, 22. https://eric.ed.gov/?id=EJ1218561

Polkinghorne, D. E. (2005). Language and meaning: Data collection in qualitative research. Journal of Counseling Psychology, 52(2), 137–145. https://doi.org/10.1037/0022-0167.52.2.137 Prasetiyo, W. H., Sumardjoko, B., Muhibbin, A.,; Naidu, N. B. M., and Muthali'in, A. (2023).

Promoting digital citizenship among student-teachers: The role of project-based learning in improving appropriate online behaviors. Participatory Educational Research, 10(1). 389-407. https://eric.ed.gov/?id=EJ1362927

Pring, R. (2016). Preparing for citizenship: Bring back John Dewey. Citizenship, Social and Economics Education. 15(1), 6-14.

https://journals.sagepub.com/doi/pdf/10.1177/2047173416646467



Pruitt-Mentle, D. (2008). Extracted from: 2008 national cyberethics, cybersafety, cybersecurity baseline study. National Cyber Security Alliance.

http://www.edtechpolicy.org/cyberk12ARCHIVE/Documents/C3Awareness/NationalC3BaselineSurvey_Extract_sept_2010.pdf

Pusey, P., & Sadera, W. (2011). Cyberethics cybersafety, and cybersecurity. Journal of Digital Learning in Teacher Education, 28, 82 - 85.

Rank, P. (2018). Using connectivism theory in the classroom. NACTA Journal, 62(1), 102+.

Ribble, M. (2012). Digital citizenship for educational change. Kappa Delta Pi Record, 48(4), 148–151. https://doi.org/10.1080/00228958.2012.734015

Ribble, M. (2021). Digital citizenship in the frame of global change. International Journal of Studies in Education and Science, 2(2), 74-86.

Ribble, M., & Bailey, G. (2004). Digital citizenship focus questions for implementation. Learning & Leading with Technology, 32(2), 12-15.

Ribble, M., & Bailey, G. (2007). Digital citizenship in schools. International Society for Technology in Education.

Ribble, M. S., Bailey, G. D., & Ross, T. W. (2004). Digital citizenship: Addressing appropriate technology behavior. Learning & Leading with Technology, 32(1), 6.

Ribble, M., & Miller, T. N. (2013). Educational leadership in an online world: connecting students to technology responsibly, safely, and ethically. Journal of Asynchronous Learning Networks JALN, 17(1), 137–. https://doi.org/10.24059/olj.v17i1.310

Ribble, M., & Park, M. (2019). The digital citizenship handbook for school leaders: Fostering positive interactions online. International Society for Technology in Education.

Rideout, V., & Robb, M. B. (2020). The Common Sense census: Media use by kids age zero to eight, 2020. Common Sense Media.

https://www.commonsensemedia.org/sites/default/files/uploads/research/2020_zero_to_eight_census_final_web.pdf

Roberts, W., Strayer, J., & Denham, S. (2014). Empathy, anger, guilt: Emotions and prosocial behaviour. Canadian Journal of Behavioural Science / Revue canadienne des sciences du comportement, 46(4), 465–474. https://doi.org/10.1037/a0035057

Rue, P. (2018). Make way, millennials, here comes Gen Z. About Campus, 23(3), 5-12.

Schwieger, D., & Ladwig, C. (2018). Reaching and retaining the next generation: Adapting to the expectations of Gen Z in the classroom. Information Systems Education Journal, 16(3), 45. https://isedj.org/2018-16/n3/ISEDJv16n3p45.pdf

Sandelowski, M. (2008). Member check. In L. M. Given (Ed.), The SAGE encyclopedia of qualitative research methods, (pp. 501-502). Sage.

Scherff, L. (2018). Distinguishing professional learning from professional development. Regional Educational Laboratory Pacific.

https://ies.ed.gov/ncee/edlabs/regions/pacific/blogs/blog2_DistinguishingProfLearning.asp

Schrameyer, A. R., Graves, T. M., Hua, D. M., & Brandt, N. C. (2016). Online student collaboration and FERPA considerations. TechTrends, 60(6), 540-548.

Schugurensky, D. (2015). On informal learning, informal teaching, and informal education: Addressing conceptual, methodological, institutional, and pedagogical issues. In O. Mejiuni, P. Cranton, & O. Táíwò (Eds.), Measuring and analyzing informal learning in the digital age (pp. 18-36). IGI Global.

Selwyn, N. (2009). The digital native - myth and reality. Aslib Proceedings, 61(4), 364–379. https://doi.org/10.1108/00012530910973776

Selwyn, N., & Aagaard, J. (2021). Banning mobile phones from classrooms--An opportunity to advance understandings of technology addiction, distraction and cyberbullying. British Journal of Educational Technology, 52(1), 8–19.

Siemens, G. (n.d.) Connectivism mindmap. https://www.visual-mapping.com/2008/03/connectivism-learning-theory-for.html

Siemens, G. (2005). Connectivism: A learning theory for the digital age. International Journal of Instructional Technology and Distance Learning, 2(1).

https://itdl.org/Journal/Jan_05/article01.htm

Siemens, G. (2006). Knowing knowledge. https://archive.org/details/KnowingKnowledge

Simon, M. K., & White, J. (2013). Survey/interview validation rubric for expert panel–VREP. http://dissertationrecipes.com/wp-content/uploads/2011/04/Expert-Validation-v3.pdf Stewart, C. (2014). Transforming professional development to professional learning. Journal of adult education, 43(1), 28-33.

Strosnider, R., & Sharpe, V. (2019). The executive function guidebook: strategies to help all students achieve success. Corwin. https://dx.doi.org/10.4135/9781071801383

Szakasits, A. (2018). The alignment of instructional practices with digital learning environments [Doctoral dissertation, Gardner-Webb University]. ProQuest Dissertations Publishing.

Tate, E. (2021). The digital divide has narrowed, but 12 million students are still disconnected. EdSurge.

https://www.edsurge.com/news/2021-01-27-the-digital-divide-has-narrowed-but-12-million-students-are-still-disconnected

Tour, E. (2017). Teachers' self-initiated professional learning through personal learning networks. Technology, Pedagogy and Education, 26(2), 179–192.

https://doi.org/10.1080/1475939X.2016.1196236

Vogels, E. A., Gelles-Watnick, R., & Massarat, N. (2022). Teens, social media and technology 2022. Pew Research.

https://www.pewresearch.org/internet/wp-content/uploads/sites/9/2022/08/PI_2022.08.10_Teens-and-Tech_FINAL.pdf

Wall, A., & Leckie, A. (2017). Curriculum integration: An overview. Current Issues in Middle Level Education, 22(1), 36-40. https://files.eric.ed.gov/fulltext/EJ1151668.pdf

Wang, Z., Chen, L., & Anderson, T. (2014). A framework for interaction and cognitive engagement in connectivist learning contexts. International Review of Research in Open and Distance Learning, 15(2), 121–141. https://doi.org/10.19173/irrodl.v15i2.1709

Warsaw, R. E., Jones, A., Rose, A. K., Newton-Fenner, A., Alshukri, S., & Gage, S. H. (2021). Mobile technology use and its association with executive functioning in healthy young adults:

A systematic review. Frontiers in Psychology, 12, 643542–643542. https://doi.org/10.3389/fpsyg.2021.643542

Weigel, M., James, C., & Gardner, H. (2009). Learning: Peering backward and looking forward in the digital era. International Journal of Learning and Media, 1(1), 1-18.

Wenner Moyer, M. (2022, February 1). Schoolkids are falling victim to disinformation and conspiracy fantasies. Scientific American.

https://www.scientificamerican.com/article/schoolkids-are-falling-victim-to-disinformation-and-conspiracy-fantasies/

Westcott, K., Arbanas, J., Loucks, J., Downs, K., Arkenberg, C., & Auxier, B. (2022). 2022 Digital media trends (16th ed.).

https://www2.deloitte.com/us/en/insights/industry/technology/digital-media-trends-consumption-habits-survey/summary.html

Wiggins, G., & McTighe, J. (1998). Backward Design. In Understanding by Design (pp. 13-34). ASCD.

